

Minutes of the Sixty-Second Meeting of the  
**International Executive Council (IEC)**  
 Tehran, Iran  
**First Session: 22 October 2011: 09.00 to 12.30 hours**  
**Second Session: 22 October 2011: 13.30 to 17.00 hours**

## Preamble

Welcoming the Participants, **President Chandra Madramootoo** pointed out that this year's International Executive Council (IEC) meeting coincides with the 21<sup>st</sup> ICID Congress and it was pleasing to note the participation of delegates in a sizeable number. Commencing the proceedings, he asked the Secretary General to read out the 'statement of condolences'.

## Item 0 : Condolences

**Secretary General M. Gopalakrishnan** proceeded with the matter. With deep regret and sorrow, he conveyed the passing away of an able colleague, Captain Sunthorn Ruanglek (*Vice President, 1983-1986 representing Thailand*) in January 2011. Captain Ruanglek was elected as Vice President in the 34<sup>th</sup> International Executive Council at Melbourne, Australia on 1 October 1983. Captain Ruanglek held that distinguished position for three years contributing immensely to various workbodies. Captain Ruanglek rose to the highest position of the Director General of Royal Irrigation Department in the Ministry of Agriculture, Thailand and was responsible for several impressive projects in Thai basins. He was advising Prime Minister of his country till 1985 and later, held the distinguished position of Senator in the Thai Assembly. Till end, his contributions as a consultant had enriched the irrigation community. SG stated that the International Commission on Irrigation and Drainage (ICID) deeply mourn the passing away of Vice President Honoraire Sunthorn Ruanglek and would wish to convey their deepest sympathies to the bereaved family.

**Secretary General Gopalakrishnan** placed on record the sad demise of Dr. C.C. Patel (India) on 4 February 2011. Dr. Patel was elected as Vice President in the 27<sup>th</sup> International Executive Council meeting held at Banff, Canada in 1976 [1976-79]. Dr. Patel was known for his pioneering work in water management in India. His contributions spread across planning, design, construction and operation of river valley projects by the conjunctive use of ground and surface water. Dr. Patel was a former Secretary to the then Ministry of Irrigation, Government of India for over 5 years and had been associated with some of the Tribunal Awards on shared waters. He has also been associated with the water policy, water law, water administration and water management taking into account pollution, ecological and environmental aspects. He had worked as a member of the several 'Experts Committee of the Government of India' and Task Forces, besides a stint in the World Bank. He joined United Nations as Senior Advisor on Water Resources for 5 years and was the Chairman and Managing Director of Sardar Sarovar Narmada Nigam Ltd., a mega river valley project in India.

Secretary General also announced with regret the sad news that Vice President Samia El-Guindy had lost her husband just a few days back and that she could still be with us notwithstanding that great personal loss, is an indication of her dedication to ICID.

Mourning the passing away of the distinguished past Office Bearers, **President Chandra Madramootoo** proposed the observation of silence for a minute. He then said that the Secretary General will issue letters of condolences to members of concerned families.

## CONDOLENCE RESOLUTION

*"The 62<sup>nd</sup> Meeting of the International Executive Council (IEC) deeply mourns the profound loss suffered by the Commission in the passing away of Vice President Hon. Captain Sunthorn Ruanglek and Vice President Hon. Dr. C.C. Patel. The Council resolves that the condolences of the Commission be conveyed to the bereaved families of late VPH Ruanglek and late VPH Patel as well as to the National Committees of Thailand and India."*

**Item 1 : Opening Remarks by President, ICID**

**President Chandra Madramootoo** began his opening remarks with a PowerPoint Presentation. President indicated that this was going to be his last address to the Council as President of ICID and it had been a great honour and great pleasure to serve ICID. His opening remarks would deal with, amongst other things, some of his commitments, made in the past and some issues and challenges that are to be addressed in the future. While thanking every one for their support over the past three years, he reviewed the achievements, and referred to his maiden presentation before the Council in 2008. President Madramootoo stated that those issues that were addressed in 2008 were still very much the issues that had remained on the ICID agenda.

**President Madramootoo** continued his presentation focusing on price volatility and food price increases when he started his term in October 2008, as President of ICID. He said that we were just going through this wave of high food prices issues when we started to see the downward trend in the international financial economies. We had record high food prices in 2008 and in 2009, which were never witnessed in previous decades. We then saw an immense international effort by the donor community, by government leaders, G-20 agricultural ministers, by the G-8 heads of government that addressed very seriously the food prices that hit us in 2008 and 2009. There were many pledges and commitments made by international agencies and by national governments to redress the imbalance noticed as a result of the decline in the investments in the agricultural sector, for the past 25 years. Food prices started to drop. We thought that we had overcome the problems that affected us with respect to high food prices in 2008 but now we see once again the rise in food prices in 2010, and also in 2011. We have come to the realization that the phenomena of rising food prices is not over. We are still very much challenged by this problem. In spite of pledges made by the donor community, one sees that those pledges are not completely fulfilled. We also saw in 2008 the issue of bio-fuels, the impact of bio-fuels on the agricultural food production of developing countries, land being taken out of food production from some of our most populated countries and agrarian countries and turned into the production of energy crops.

**President Madramootoo** expressed ICID's concern about water scarcity and climate change, resulting in severe drought and floods. Some of the most severely affected regions of the world were in some of our member countries like Pakistan, Indonesia, China, etc. The steps taken to achieve the targets set by the World Food Summit and first millennium development goal went further behind. The number of people affected by poverty, hunger, malnutrition had actually increased pushing yet another 200 million people to those who already suffer from hunger, malnutrition and poverty. Over the past few weeks and months, the President added that one noticed the challenges with respect to Northern Africa and the crisis around food and security, poverty and hunger with the mass movement of people from the affected countries like Djibouti, Ethiopia, Kenya and Somalia. Over 12 million people in 4 countries suffered, as a result of some of the worst droughts seen in the last 20 years in Africa. The lack of ability to produce food, lack of access to water caused misery and hence social disturbances.

Citing the proceedings preceding IEC in work bodies and other related meetings, **President Madramootoo** pointed out that the need to *at least* double food production over the next 25 years is before all of us, to meet the food requirements of a growing population, and the change in their dietary needs. Simultaneously, one finds the challenges of competition for land, the reduction in cropped area in many countries and the rise in demand for water from other sectors - because of population growth, industrialization in several countries. The demand for water for those sectors is going to increase at the expense of agriculture and irrigation water demands.

Looking back, **President Madramootoo** remembered the past contributors to ICID mission. He said that it was 62 years ago when several issues – like hunger, starvation in many parts of Asia, Africa and Latin America made our forefathers gather together and create an institution with a missionary zeal to solve those pressing humanitarian problems. Subsequently, the successes of the green revolution and the irrigation expansion in many parts with water playing a major role, particularly in Asia improved the food situation. It was our predecessors who led the development of some of the major expansion in irrigation and drainage around the world. Over the past three years, President said that he was privileged to visit at least 30 member countries in ICID and carry on the ICID message to them. From the development of new automated control structures in Australia to the expansion of irrigated land in Northern Egypt and new structures built along the El Salam Canal, from the intensification of rice production in Southern India to canal modernization, integrated water resources management and transboundary water issues in Central Asia, he saw that ICID had indeed done much as a community, of which it should be proud.

**President Madramootoo** quoted an example from his own Canadian National Committee on Irrigation and Drainage (CANCID). Depicting a graph in the PowerPoint, he brought out the excellent results on irrigation water productivity in Southern Alberta's millions of hectares of irrigated land over the past 50 years. One could see as to how water applications through irrigation decreased dramatically –in the case of Barley, as an example, from about

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900 mm per annum in mid 1950s, to just around 300 mm. As a result an increased area was commissioned for cropping. The reason for that decrease in water application for irrigation was primarily because of the competition for water from other sectors of the economy. The Province of Alberta saw a significant growth in oil and energy sectors both having a strong water demand. Besides, the high population growth with municipal development, industrialization shot up the demand for these purposes. Agriculture has had to live with less water. **President** amplified that what was truly remarkable was the yields. Barley yields actually increased over the same period of 50 years from just about 2.5 tonnes per hectare (in mid 1950s) to about 6.5 tonnes per hectare. Explaining further the projections to the year 2050 and beyond, he said that a further decline in water usage is envisaged. This is because of the competition for water amidst climate change, and drought. On the top of all, **President Madramootoo** pointed out that the projected yields have to be doubled to 11 tonnes per hectare.

President strongly believed that a message of importance before us is from CANSID example. The strong lesson for all NCs is that with the introduction of advanced water application technologies, modernization of irrigation systems, moving away from surface irrigation to first centre pivots and finally to low pressure drip systems, he said that the crop yields improved and also the crop genetics turned to highly mechanized production systems. He amplified that in fact it was a complete package of technology - of water, of seeds, of fertilizers and also the machinery. Water is only one of the many components of that “*package*”. The farmers of Southern Alberta came to realize that they can perform far better and remain internationally competitive in the global market place. Today where they sell their products are outside Canada and indeed, all around the world. **President Madramootoo** added that while similar graphs can also be brought out in respect of wheat and maize, the lesson is obvious. The dedicated irrigators and farmers, who are capable of adapting and have all the capabilities and are all over the world. The **President** felt that the role for each and everyone in ICID family is to support and enable that change, and also facilitate all irrigators to make those changes. So much remains to be done to upscale these achievements.

**President** went on to highlight that one sees continuing investment in infrastructure, rehabilitation and maintenance of our capital works. Also, there are investments in research and development, technology transfer, in capacity development and capacity building. Recalling his earlier keynote address in the micro irrigation congress, he reiterated that the only way one can succeed would be to collectively embrace the introduction of advanced technologies in irrigation and drainage very rapidly, since it is still a long way to go. He cited that while all of the modern technologies like IT, nanotech are used in other sectors - be it the health, the education or elsewhere, and reformed them, the agricultural water sector is yet to move in this direction, be it application of water, assessing the soil moisture status, measurements and control of water etc.

**President** went on to explain ICID inputs to the upcoming World Water Forum in 2012 co-relating the importance of the above and applauded the efforts of PH Bart Schultz for a very exciting session during the pre Council meetings that he chaired in this regard. The work of his Task Force for the upcoming World Water Forum brought out several points and one of them was that ‘*if we do not measure we cannot manage*’. To be able to accurately measure and monitor water applications information technologies are to be made use of, precision irrigation systems are something that one cannot any longer ignore.

**President** recalled his proud privilege over the past three years to be invited by several ICID National Committees to speak at various occasions, and then cited as an example his visit to the French National Committee for a well attended, well developed program on ground waters in Orleans, France where he spoke on ground water. While it is true that one has been able to use ground water successfully to expand irrigation to boost local food production and also to increase the productivity of smallholder agriculture - because the farmers were able to make use of water on demand without relying on a central irrigation systems that were inefficient and for which they paid fees, unfortunately this has led over a period when an inadequate management of the resource resulted in a diminishing resource, which we have not paid much attention. Pointing out that this was somehow a neglected subject in the past, he asked more focus on this in the future and praised the French for their maiden effort. Running over the global scenario, President said that the statistics from places like India and China are alarming. One sees tube well irrigation has expanded so rapidly while tank and canal irrigation remained very modest in places like India and elsewhere. About 40 million ha of ground water irrigated land in India, 19 million ha in China, and 17 million ha in the USA - with these numbers further growing elsewhere too, ICID must concern itself with protecting aquifers and also stop the depletion of ground water resources. Utilising a presentation to illustrate, **President Madramootoo** indicated that the data from last year were glaring. Citing Ogallala Aquifer in Southern U.S. as an example which covers 450,000 sq km about 27% of U.S. irrigated land, it was found that the total withdrawals since the development of this aquifer has resulted in a 9% decline. The importance of this system is obvious. The economy of Nebraska, Colorado, Mexico, Oklahoma, Texas etc., where a food and fibre industry that is worth about 20 billion dollars a year depends on this aquifer. One can imagine the economic impact of that aquifer’s development on

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economic and agricultural development of several major food producing states within the U.S. **President Madramootoo** urged that the need of the future in ICID would be for working towards an establishment of a better framework for ground water management and protection.

**President Madramootoo** thanked the National Committees which he visited, for their invitations and acknowledged that those were some of the best visits he had in his life. He fondly recollected the visit to some of the corners in francophone West Africa, providing him an opportunity to take ICID's message out to the field. His field visits and meetings with the farmers strengthened the tasks of some of the ICID National Committees. He was able to meet with villagers, with farmers, with elders, and could build alliances not only just with government irrigation departments and universities and research centres, but also down to those who matter in villages, creating new partnership and new alliances which is critical to the future of ICID.

**President Madramootoo** said that he had the good fortune to work with several National Committees to revamp the old IPTRID and bring a new agenda for international training and research. He acknowledged that in tune with the Memorandum of Understanding that was signed with the Government of Iran and His Excellency Deputy Minister H.E Mohammad Reza Attarzadeh in 2009 in Delhi led to the creation of international training and research centre in Tehran. Recalling his earlier July visit to China and his meetings with His Excellency the Minister of Water Resources, Chen Lei together with several of our ICID Office Bearers he pointed to the official opening of the International training Centre in Beijing. The enormous potentials within ICID are apparent with the opening of these two Centres. Continuing he added that he had held discussions with several other ministers over the past two years. He had meetings with the Minister of Water Resources in India H.E. Mr. P.K. Bansal to encourage India to also help and spoke of India's enormous research and training centres. He also had interacted with His Excellency the Advisor to the Russian Minister of Agriculture and urged that an active participation of Russian training and research centers, given Russia's enormous expertise and strengths from many decades in irrigation and drainage would add strength to the potential of ICID.

**President Madramootoo** said that the time is long gone for one to sit back and wait for donors. Given the fact that there are new emerging economies, and ICID National Committees with a strong base we can follow a different path. President had taken up with VPH Dr. Amer and also the Water Research Centre in Egypt so as to bring in their strength into ICID and propagate to the world. Time is for ICID to take the task of technology research and training in its own hands. Some of the strong ICID NCs have the wherewithal and resources and requisite potentials. What needed is a commitment. **President Madramootoo** then urged NCs to join hands and make it a reality, throughout ICID. Our agenda cannot be driven by the will of the donors. The donors have a very short term interest. The governments also have many times a short term agenda as elections intervene. To take on a long-term global vision, only ICID can step in. President thus felt that the future is in our hands not in the hands of donors. He then acknowledged the role in partnerships seen with the signing of various memoranda of agreements. The French National Committee, for example, extended their arms, to ARID and facilitated a very large delegation from francophone Africa to participate at the Orleans Regional Conference; they are going to do the same for the next year's World Water Forum in Marseilles and even this year, for Bamako in December for ICID Regional conference.

President in conclusion indicated that he was very pleased to be able to participate of several levels on the international scene where our messages were well heard. It is a shared credit to all in ICID. At the World Water Forum, it was the effort of President Hon. Bart Schultz. He praised PH Schultz as a man who devotes his life to ICID who was able to represent ICID on the world stage making ICID voices heard. He added that he would also work very actively in partnership with Dr. Pasquale Steduto, FAO, and Ms. Anna Dupont of the World Water Council, for WWF 6 at Marseille, as one saw during the pre council meets. President was hopeful that this would have a major impact on the work that ICID does and would bring to ICID a global recognition. The team effect is cardinal and the credit is a shared one for ICID fraternity.

**President Madramootoo** then elaborated that he was very pleased to be able to work with the Central Office for three years and meet with them in New Delhi on many occasions; he asked for a proper recognition to the Central Office and recalled his newsletter articles wherein he sought support to the Central Office. One should not neglect the Central Office, the hard work of the Secretary General and his staff. President said that a lot has been done in the Central Office to cut expenses. In the past three years, the number of staff got reduced to only 17; one curtailed many expenses and in fact closed some positions permanently in response to the concerns of the National Committees. He felt that it is important now for the organization to be stable and able to serve as well, in the future. Seeking support to the work of the Central Office staff, he praised them as a remarkable group of people.

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In the end **President Madramootoo** thanked the two organizations that permitted him to stand in front of all in the Council – first the Canadian National Committee on Irrigation and Drainage that nominated him for the top position which also supported him for the three years since his assuming his role as the President. He also profusely thanked his home institution, McGill University that despite his heavy schedule permitted him to find time to participate in ICID meetings and extend his services to the global cause. He said at the end that it is the support of all that counted and thanked immensely everyone involved for allowing him to have the great privilege in his life.

*Applause....*

## **Matters for Decision**

President then straightway moved to item no.7 indicating that he would like to have the participation of the SG (D) in the rest of the proceedings and hence preponing the this item from the sequential listing in the agenda notes. He said he would also like after his introduction a few minutes speech by Mr. A.C. Tyagi.

### **Item 7 : New Secretary General**

**President Madramootoo** recalled his last year's indication about the fact that SG Gopalakrishnan who had served the organization with immense dedication will be stepping down as SG. He continued to say that an opportunity to thank him for all the dedication with which he served will be available later in the day. Indicating the action that was taken to appoint the SG (D), he informed IEC about the formation of a Selection Committee to search for the new Secretary General. This Committee was headed by PH Keizrul bin Abdullah and comprised several of our Vice Presidents Hon., including one serving VP Dr. Vlotman. He said that over 35 applications were received for this position and the Committee shortlisted those to just 5 candidates who were interviewed in Delhi in January this year. The Selection Committee provided their recommendations to him after choosing the best amongst the lot. The Selection Committee selected Mr. A.C. Tyagi who had worked for many years in the Govt. of India and has held very senior position including the Commissioner, Joint Commissioner in the Ministry of Water Resources. Presently, he is working with United Nations World Meteorological Organization since February 2003 as Director of Hydrology and Water Resources of WMO in Geneva. President Madramootoo then informed the IEC that he had brought the nomination forward to Office Bearers Committee (OBC) just the preceding day. He informed that the OBC unanimously agreed with the decision. He then placed before the Council for approval the appointment of Mr. A.C. Tyagi to be new Secretary General effective from January 2012. He continued to amplify that he had interviewed him for this position in February this year when he asked as to whether he could start earlier. He informed the Council that Mr. Tyagi was unable to do that because of his present commitments in WMO. President indicated that he did not want to jeopardize the relationship with WMO and ICID and thought that it would be in the best interest for both organizations if Mr. Tyagi starts his duty from 1 January 2012.

Motion was moved by China, England, Russia, Malaysia, Iran, Central Asia, Uzbekistan, Turkey, Thailand, South Korea, Mali, South Africa and one after the other more hands moved up. The President thanked the Council for their unanimous recommendation endorsing the appointment and thanked everybody.

**President Madramootoo** indicated that many might have had the chance to meet the SG (D) during the week, as he was with us all through the pre-council meeting sessions as an Observer. One might have observed that he was just not an Observer, but actually quite involved in the proceedings in which he participated actively. President continued to indicate that he was a man who was full of energy and initiatives promising an outstanding work. His CV and references amply stand proved when we notice as to how he was involved in our operations here in Tehran assisting in the preparation of many documents. He once again thanked profusely to have endorsed the appointment of Mr. A.C. Tyagi unanimously.

*Applause....*

The President then invited Secretary General (Designate) Tyagi to the Council and to speak.

**Mr. Avinash C. Tyagi, SG (D)** thanked profusely the Council for putting the faith in him and appoints him as Secretary General of this great organization which he always admired as one of the best networking organizations. He felt it an honour to accept the responsibility as Secretary General, ICID. Over the past 60 years, ICID had been playing a pivotal role in untiring global efforts to eradicate poverty and hunger as President has mentioned in his

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speech on green revolution, which had been brought largely through irrigation. However, some of the issues like Participatory Irrigation Management which had only a limited success so far and a few other factors that caused some adverse environmental impacts have made irrigation seemingly unpopular in the circles of policy makers and environmentalist. Mr. Tyagi said that irrigation is not in the top of the political agenda in countries like India. This is quite obvious from the decreasing investment in the sectors during the last three decades. Further the increasing demographic pressures on the natural resources and the imperatives to maintain sustainability combined with the impending challenges due to climate impacts are making the development process more complex and multidisciplinary. At the same time, ICID is facing its own internal challenges, financial uncertainties, shrinking network, weak NCs that require overall support, may be these are not new challenges. Mr. Avinash continued to indicate that due to Presidents' able leadership, some required changes like broad basing NCs of ICID had been initiated. Mr. Tyagi assured that he will do his utmost to facilitate and accelerate the process of change in them. He believed that he is starting with distinct advantages. Amplifying that he said that first he had an opportunity to watch the function of ICID from outside over the years. Secondly, he had worked as the Secretariat in the UN specialized agencies, thus Mr. Tyagi mentioned that he has a fair understanding of the expectation of the members for whom he worked. Third, he indicated that he had developed a good network of international water development community. He continued to indicate that he intends to liaise with all of them in the interest of ICID. Continuing he indicated that he enjoyed the indulgence of SG Gopalakrishnan who had been his mentor over the years. He then pointed out that over and above all those listed; he enjoyed the privilege and support of the President. He intended to lean heavily on President Madramootoo's counsel and guidance. He indicated that he is quite aware of the wide spectrum of roles that the Central Office is expected to play while on one hand, it has to act as the facilitator of the network, on the other side, it has also the responsibility to feel the pulse of the members and be the nucleus for change. Mr. Tyagi then said he would be getting back to all with new seeds of thoughts for deliberations in ICID. Although he is keen to start the new assignment immediately, Mr. Tyagi added that due to his current commitments he would be able to assume his responsibility entrusted by the Council only from 1 January 2012. He pleaded to be excused for this small delay and prayed that this be allowed. He then concluded thanking the hosts, Iranian National Committee on Irrigation and Drainage (IRNCID) for their great hospitality and organizing a very successful congress. He then indicated that he looks forward to Adelaide meeting where he will present some of his ideas. He then concluded thanking the Council for placing trust in him and assured that there will be a smooth transition with the support of the SG Gopalakrishnan.

*Applause.....*

**President Madramootoo** thanked Mr. Tyagi and wished him all success as SG indicating that he is one who will fight the challenges that emerge and would take ICID to greater heights.

## **Item 2 : Application for countries for ICID Membership**

**SG Gopalakrishnan** indicated that there was no new application in respect of ICID membership. On the contrary he said that there was a request for withdrawal from the Chilean National Committee. However, this indication was received from the Ambassador in Delhi representing Chile. He referred to the attachment in the agenda. SG Gopalakrishnan indicated that he took up this matter with Dr. José Ortiz as per the suggestion of the President. Dr. Ortiz had an impressive ability in contacting Spanish speaking South American country and was able to recollect his strong association with the Chilean NC representatives and Govt. agencies dealing with irrigation and drainage. He indicated that to his surprise he did not find sources for withdrawal of membership from ICID. To resolve the matter President has issued a letter to the Ambassador seeking clarification as to the reasons for Chilean desire for withdrawal of its membership from ICID family. SG Gopalakrishnan then suggested that, being the best knowledgeable person in respect of the situation, Dr. Ortiz may kindly be permitted to say a few words as to how things are likely to shape.

**VPH José Ortiz (Spain)** informed the Council that he had been able to take it up with the former Secretary Mr. Gastón Mahave of the former Chilean NC to explore the reason. He is yet to get any response. The silence is a matter of regret. One has to explore inside the Ministry of Water Resources in Chile. He thanked the Council for permitting him to speak.

**SG Gopalakrishnan** thanked VPH Ortiz for his kind efforts to liaise with Chilean Irrigation and Drainage Department of the Ministry concerned. He indicated that in case of their continuing interest, it is preferable to postpone consideration of the withdrawal of membership to a later date. He then indicated that the Vice Presidents responsible for the region would be requested to pursue this further.

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### **Item 3 : Venues for Future Conferences**

#### **66<sup>th</sup> IEC Meeting, 2015**

Taking up the proposal for future events, **President Madramootoo** indicated that two offers to host 66<sup>th</sup> IEC have come, one from the Thai National Committee and the other from the French National Committee. He said that he had met with both National Committees and is pleased to report to the Council that the French National Committee is committed to the 66<sup>th</sup> IEC in 2015 and the Thai National Committee is committed to the 67<sup>th</sup> IEC in 2016. He then proposed the same for the Council's approval. Iran moved the motion, seconded by Mali, China, Malaysia, South Korea, Finland, Japan, Indonesia, Uzbekistan, Australia, Russia, Italy, South Africa and others. President indicated that the resolution is passed unanimously. He then congratulated both the NCs and asked their representatives to speak on behalf of their National Committees.

The **President of the French National Committee, Mr. François Brelle** came forward to apprise his National Committee's proposal to hold the 66<sup>th</sup> IEC. First he wished to thank President Madramootoo for his positive comments on the groundwater conference organized by his NC which was essentially due to his colleague Dr. Sami Bouarfa who had put a lot of energy behind the event. Mr. Brelle, then went on to thank the representatives from Thailand particularly, VP Chaiwat Prechawit for having agreed to move his offer for hosting the meeting in Chiang Mai to 67<sup>th</sup> IEC leaving the French NC 66<sup>th</sup> IEC along with the European Regional Conference in Montpellier in October 2015. He invited everyone to join this event and thanked for the opportunity given to him to speak.

*Applause...*

President thanked Mr. Brelle for his kind invitation to all and indicated that it would be a pleasure to get back to Montpellier once again. He recalled the previous IEC meeting in Montpellier in 2003 and the excellent hospitality that the French National Committee provided to all of us. He then invited VP Chaiwat Prechawit to say a few words about 67<sup>th</sup> IEC in 2016.

**VP Chaiwat Prechawit** rose up to speak on behalf of his NC. He was apologetic that the Chairman Thai National Committee could not be in Tehran as per the previous plan to invite all to Chiang Mai due to very serious flood situation in Thailand. Looking forward to receiving everyone in Chiang Mai in 2016, he thanked President and Council members for their support to his NC's offer to hold an IEC in the year 2016.

*Applause...*

**President Madramootoo** thanked VP Prechawit and indicated that all will look forward to join the IEC in Chiang Mai in 2016. He also indicated that the 9<sup>th</sup> Asian Regional Conference would be hosted in conjunction with 67<sup>th</sup> IEC.

Moving on, President Madramootoo indicated to the Council that we do not have any offers for the 4<sup>th</sup> African Regional Conference and encouraged the African colleagues to consider hosting that after Mali Conference this year, which is being done in an exemplary manner by Malian National Committee.

Secretary General informed the Council about the receipt of a letter of intention from Mexico a few days back and it looks to be a letter rushed in the last minute indicating their keenness to hold the 5<sup>th</sup> American Regional Conference. This is not found in the printed agenda since the matter sprang up recently. More details are expected in due course of time. President Madramootoo asked SG to request Mexico to elaborate further in their letter for proper evaluation in the future IEC.

In respect of the offers for the future European Regional Conferences, President Madramootoo inquired of Mr. François Brelle whether the 2015 IEC Montpellier would also incorporate the European Regional Conference (ERC). In the absence of any other offer for holding another European Regional Conference ahead of the above, President Madramootoo indicated that the 26<sup>th</sup> ERC will be held in conjunction with 66<sup>th</sup> IEC in Montpellier.

Concluding the item, **President Madramootoo** informed the Council that one has a very good slate of upcoming regional and IEC meetings and listed all the forthcoming events like 3<sup>rd</sup> African Regional Conf. in Bamako from 29 November - 5 December this year, 63<sup>rd</sup> IEC and 7<sup>th</sup> Asian Regional Conf. in Adelaide in June 2012, 11<sup>th</sup> IDW in Cairo in September 2012, 64<sup>th</sup> IEC and 8<sup>th</sup> Asian Regional Conf. in Mardin in October 2013, 12<sup>th</sup> IDW in St. Petersburg in June 2012 and 23<sup>rd</sup> Congress and 65<sup>th</sup> IEC in Seoul in 2014. Looking beyond we have also 66<sup>th</sup> IEC and 26<sup>th</sup> ERC in Montpellier and 67<sup>th</sup> IEC and 9<sup>th</sup> Asian Regional Conference in Chiang Mai, Thailand.

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#### **Item 4 : Broadbasing ICID membership – Suggestions of the Committee**

**President Madramootoo** recalled that this agenda has emerged as a result of last year agenda item of IEC where recommendations came forward from the Permanent Finance Committee (PFC) for looking into the ways and means to broaden ICID membership. We thought of exploring other ways apart from the primary membership of NCs which may enable inclusion of private sectors into ICID and benefit by their participation not only with technical inputs but also to the financial inputs. A Work Team was formed, Chaired by VPH Felix Reinders (South Africa), VPH Larry D. Stephens (USA); VPH Prof. Dr. Mohd. Amer (Egypt), VP Dr. Willem F. Vlotman (Australia) Ing. Helvecio Mattana Saturnino (Brazil), VPH Dr. Saeed Nairizi (Iran) and Secretary General Gopalakrishnan. President then invited the Chair of the group to apprise the Council with the progress.

Thanking the President, the Chairman of the group **VPH Felix Reinders** presented the work that his Group could carry out so far. He cited the tremendous work done by VP Willem Vlotman in terms of putting together a proposal that could be submitted for the Council's attention.

The Group is proposing a new member category, i.e. "*Direct ICID Member (DIM)*", for individuals, public and private organizations in case that it is not possible for them to join ICID through the standard National Committee structure. This can be the case when:

- (1) the country is not an active member of ICID;
- (2) the NC does not provide for individuals and public or private organizations to join the NC.

The full text of the PowerPoint presentation is given at **Annex 1**.

Now it is for the consideration of IEC for decision on the two alternatives –

Alternative 1:

- To submit a fully detailed process for DIM applications and a member fee structure for DIM before the Adelaide 2012 IEC and for ratification by the 2012 IEC.
- To work in parallel on possible adjustment of the constitution of ICID to allow for DIM.

Alternative 2:

- If the Constitution provides for DIM membership, to not further delay the process Central Office be allowed to implement the DIM as soon as CO and reviewers have completed their work and the MB approve out of session via electronic means the proposed process and fee structure for immediate implementation.

**President Madramootoo** thanked VPH Reinders for the excellent work done by him and his committee. He further indicated that the material was presented in brief before the OBC in their meeting a day earlier. OBC was quite positive in the direction in which VPH Reinders report takes us. However, President Madramootoo added that a lot more work has to be done in detail and also constitutional issues should be addressed in parallel so that these are done right and properly. President therefore decided not to ask for any vote at the moment. He felt that the next IEC meeting is not far off and would be held in coming June 2012 when the firming up could take place. Thereupon he opened the floor for questions, comments and discussions.

**PH Lee** thanked the President and Council and indicated that he broadly supported the proposal. He said that he is not intervening since there is a procedure. He only would like to submit that if a change in the Constitution is required, the Council has to appoint a Special Committee. He then suggested that a Special Committee could be appointed right now if one is keen to process this program.

**President Madramootoo** thanked PH Lee for his intervention and indicated that he would work with the SG and VPH Reinders to appoint the Constitutional Amendment Committee and get back before the Council concludes its meeting. He went on further to thank VPH Reinders pointing out that everyone is pleased with the work of his group since he sees no further questions or comments. He thanked him for an excellent work.

*Applause...*

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**Item 5 : Assessment of progress – New approach to invigorate the International Technology Research in Irrigation and Drainage (earlier IPTRID)**

**President Madramootoo** took up the agenda with an indication that he had covered already in his opening remarks and in fact the agenda notes also in a way were presented already. He however would like to take this opportunity to present Dr. Mohd. Javed Monem who has been chosen by the IRNCID as the Program Manager for the Iranian International Research Program for Irrigation and Drainage (IRPID). Congratulating him for being chosen for the assignment, he thanked the IRNCID for having brought forward the nomination of an excellent professional and indicated that IEC need not approve as requested by them and it is an internal matter strictly for the NC. He added that however, IEC would like to recognize him and inform the Council that the Program Manger would communicate with all in ICID as the Nodal Officer of the Centre.

*Applause* for Dr. Mohd. Javed Monem, Program Manager, IRAN-IPRID.

**Item 6 : WWF6 – ICID Preparation for Inputs**

**President Madramootoo** invited PH Bart Schultz to provide a brief presentation that can help discussions on the subject.

**PH Bart Schultz** thanked the President and indicated that the Task Force is actively coordinating the work between ICID and the Forum organizers together with FAO. The World Water Forum (WWF) will hold the planned session on 17 March 2012. PH Schultz indicated that ICID works closely with FAO and the Forum's organizers. He introduced Ms. Anna Dupont (WWF6 - France) who joined us during the pre-council meetings on the subject. With the permission of the President, Ms. Dupont thanked IEC for the opportunity given to her for representing WWF and the WWF6. Indicating that there are hardly five months for all stakeholders to prepare for the biggest event on water, she indicated the event comprises four processes, three of which, the political process, thematic process and regional process would be of interest to ICID members. While the political process would mobilize political actors, the other two would aim at prioritizing action targets and solutions. She indicated that of particular interest to ICID members are the themes like multiple use of water, the supervision of which is handled by the French National Committee of ICID. The other theme relating to contribution to food security by optimal use of water is headed by PH Schultz and his team. Besides there will be two cross cutting issues focusing on '*good governance*', '*finance*' in an enabling environment. The fourth process, Ms. Dupont explained would be the citizenship process, which is a new process initiated in the 6<sup>th</sup> WWF to focus on mobilizing citizens to think about water issues in particular. For each of the thematic issues, she indicated that there will be a working group. The thematic issues will have a number of targets say ranging from 5 to 10 and the Forum organizers are trying to identify as many solutions as possible from these working groups. All the coordinators of these working groups are called upon to mobilize stakeholders and to look for solutions in water communities. She went on to explain that the further step was to move from solutions to commitments. These are very strategic steps to make as they will define the follow up.

The Forum will devote its first day to the Ministerial Process, and the subsequent three days dedicated to technical sessions and thematic sessions. On the fifth day - Friday, commitments will be addressed. Efforts would be to make transparently the commitments that would be taken up by organisations, individuals and political actors. Ms Dupont indicated that ICID will have a particular role in building of the commitments in the five months to follow. WWF is calling for working groups to identify the potential so that the commitments can be made. She indicated that the commitment will have a place for strategic action as a follow up for the solutions proposed. The selection must aim to provide solutions. The solution is a case study of which one can abstract the most successful factors and also explore the application potential of the particular case. ICID is acknowledged for its strong knowledge and the Forum has taken ICID as an organization that would organize the sessions of the Forum right from the preparation process and put all the case studies and experiences into the framework of the Forum so that it can be used and understood by as many stakeholders as possible. She called upon ICID to contribute by submitting solutions on what the Forum organizers called "*Platform for Solution*". She depicted the Forum website where individuals can directly login and submit inputs. As an organization, ICID is looked upon to identify the potential for commitments and lead the way for meeting the challenges of water. She thanked the Council for giving her an opportunity to present the Forum objectives.

**PH Bart Schultz** continued to inform the Council about the preparatory meeting earlier to the Council meeting. Theme 2.2 on "Food Security by Optimal Use of Water" will be coordinated jointly by FAO and ICID. PH Schultz

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informed that despite the strong commitment to attend the Tehran event by Dr. Pasquale Steduto of FAO, an unfortunate event in his family has made it difficult and hence he has apologized. PH Schultz then provided the details of the discussions that took place in the meeting and indicated that a background note had been finalized for circulation to the Consortium members. With PowerPoint slide projection, PH Schultz informed that the Group will make a distinction of the World Population and its growth in three distinct categories, viz. (i) Least Developed Countries, (ii) Emerging Countries and (iii) Developed Countries. Around 70% of the World Population lived in the emerging countries like China, India, Iran and Brazil. In reality, the developed countries have no problems associated with population growth anymore. In the emerging countries, there are still significant growths, while in the least developed countries, there is rapid population growth. Developed countries have a surplus of about 10% in food production and the emerging countries are able to manage their foods sufficiently and the least developed countries are the ones, who import certain amounts of their foods. In yet another figure, PH Schultz highlighted the growth of the rural and urban population decade-wise and conveyed that the trend indicates rural population in the developed countries as well as the emerging countries going down, while in the least developed countries, it still grows. The urban population indicates a big growth both in the emerging and in the least developed countries. PH Schultz then conveyed an inference that farmers are expected to produce more food for urban people, a significant change in the coming decades. While basically there is sufficient food at global level, it is also true that the global food stock may decline. Most of the problems would be regional and might be very serious. Most of these regional problems may also be due to uneven food distribution. PH Schultz then conveyed that the rising prices make problems both for urban and rural people, besides the fact that the increase in food production is relatively slower than the increase in consumption. He then conveyed that cereal production may have to double in the coming 25-30 years, of which 80-90% of the increase would have to be from the existing cultivated land. The balance 10-20% may come from land reclamation. To achieve the increase in food production, major efforts will be required in irrigation and drainage. PH Schultz was very pleased that the ICID Congress concentrated on the topics on increasing the yield of crops and felt that the inputs generated would be of great importance to the WWF process.

**PH Schultz** then went on to explain the targets under key priority 2.2 of the Forum as below:

- (i) Rainfed land productivity  
*Coordinator - ICARDA: Theib Oweis*
- (ii) Water productivity per unit of land in irrigated agriculture  
*Coordinators - Nebraska University: Thomas Farrell & FAO: Pasquale Steduto*
- (iii) Increase sustainable productivity and lower costs of water management in such a way that by year 2025 there is food security at affordable prices for all  
*Coordinator - ICID: Jacques Plantey & Bart Schultz*
- (iv) Safe use of non-conventional waters - wastewater or saline water - in agriculture and aquaculture  
*Coordinator - ICBA: Faisal Taha*
- (v) Water storage in support of irrigated agriculture  
*Coordinators - ICID: Chandra Madramootoo, ICOLD: Jinsheng Jia*
- (vi) Regional visions  
*Coordinator - Arab Water Council: Safwat Abdel Dayem*
- (vii) Groundwater  
*Coordinator - FAO: Jake Burke*
- (viii) Food supply chain efficiency  
*Coordinator - SIWI: Jan Lundqvist*
- (ix) Support to small-holders farmers  
*Coordinator - CCFD: Yves Richard*

**PH Schultz** said that these nine targets have started to look at Solutions, each one coordinated by an organization and about 6-15 people who are interested to contribute.

**PH Schultz** then gave some details of target-wise contribution. The first target on 'Rainfed productivity' focuses on "Improvement of crop production in rainfed lands", the second mainly deals with irrigation while the third is a kind of integration as to how one can achieve water management. Amplifying he said that the aim would be to have sustainable productivity with lower cost of management such that by 2025 food security is ensured reasonably. Target IV will deal with low quality water while the Target V on the role of storage. PH Schultz continued to indicate that one cannot choose to increase irrigation without adequate and sufficient storage. Hence for Target V, there will

be joint coordination with ICOLD. He informed that President Madramootoo has taken the lead and coordinates with ICOLD President. The rest of the four targets are more or less related and one is on the regional target, Target VI coordinated by Arab Water Council. VPH Safwat Abdel-Dayem has taken the lead. PH Schultz then explained the regional visions and groundwater. Most of the issues are interlinked. Targets support the smallholder farms. Since 50% of the food is lost in the food chain in various regions, the Forum sees this as an important aspect and had given this task to Target VIII.

**PH Schultz** informed the Council that the team and target groups will prepare summaries of 500 words on their targets and these will be available on the ICID website. Besides a target action plan, definitions with milestones will also be explained. Of the total nine targets, five already are on the website and another four will be added in the near future. There will be a final report from the Target and Solutions Group for each of the targets by December or January. It is anticipated that during the Forum, each group will get 2 hours to present its findings and recommendations. All those who are having promising solutions which will have already yielded success should submit them to the Organizers or ICID Central Office so that they are taken care of duly. He drew attention to the Forum Organizer's presentation and indicated that ICID is in a very special position to contact local Governments etc. through respective National Committees. They could ask for support in letters from Forum based on which invitations can be sent to them in a month or two to elicit from the Governments, their policy properly underlined. He solicited cooperation for his task from all concerned pointing out that water management is the responsibility of distinctly three parties, viz. (i) governments, (ii) irrigation and drainage agencies and (iii) farmers. If these three categories are committed, then things can be achieved. He also informed the Council about a few officers who are actively involved like Mr. Francois Brelle taking care of Target 2.1 on integrated water management, VPH Dukhovny taking care of Central Asian process. Several more are involved in other capacities affiliated to the Forum. He solicited support for working with his partners in near future and others who have stakes in the topics to achieve the overall objectives "to contribute to food security by optimal use of water. He thanked President for giving him an opportunity to present his report to the Council.

*Applause ...*

**President Madramootoo** profusely thanked PH Bart Schultz and observed that there had been tremendous amount of work done together with FAO. He then invited comments or questions.

**VP Ota** informed that the Asian Regional Working Group is having a TF on Climate Change that looks into contributions to the WWF6 in the regional process. They have collected very important information from various countries. He indicated that the draft final report had just been completed which will be submitted to the WWF6 and was looking forward to an indication as to the channel through which he should go through. Perhaps the regional process is the best.

**PH Schultz** responded that this should be submitted to the WWF6 Organizers through WWC at Marseilles. He indicated that Dr. Ota made a very good presentation in the special session held earlier in Tehran. He felt that he should send the document that the TF on Climate Change and Asian Regional Working Group (ASRWG) to the Central Office for its onward submission to the Organizers. It would also be a general support for the regional study.

**SG Gopalakrishnan** informed the Council about a special session held in Tashkent where VPH Dukhovny and SG provided inputs to the Forum organizers and this covered quite a few things like water security, water rights, etc. He also felt that the TF under ASRWG had been able to garner the intentions of the countries in the region with responses from China, India, Japan, Indonesia etc. He also indicated that Dr. Kim was with him during a joint session of IWMI that addressed the promotion of South Asia irrigation bring into consideration the sub-regional trends. Together with IWMI this can also be brought before the Forum. He felt that CO could assemble all these together and feed into the Thematic or the regional process.

**PH Schultz** felt that the process through thematic as well as regional needs to be integrated and the group working in the thematic process will try to combine things of common interest. He indicated that a meeting in Paris to be held subsequently will also address the integration process as different groups have drafts at this moment and exchange of information at this stage an important factor.

Concluding the discussions on the presentation, **President Madramootoo** congratulated PH Schultz on the outstanding work that has been done by his team and assured support to work with him to bring the exercise to its logical successful completion.

*Applause ...*

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**Invitation to Host National Committee to address the Council**

President then invited His Excellency Mohammed Reza Attarzadeh to speak to the assembly.

**Iranian Deputy Minister H.E. Attarzadeh** thanked President Madramootoo and wished him and ICID guests a pleasant stay in Iran and indicated that everyone might have enjoyed the wonderful sights and appreciated their capabilities. He thanked the Management Board to let IRNCID have an opportunity to thank the active participation of ICID National Committees. He congratulated all the honorable participants for gathering in Tehran, so cooperatively, and conducting their transactions so efficiently without any political or other anxieties. The most important matters discussed in the Congress are positive contributions for fulfilling the world peace, he said. In theology and in all of the God's sacred books, God the almighty has insured the human beings that there exists enough water in the world regions. The world specialists should benefit from the God's promise by careful assessing and studying to find procedure to supply the required water in any region of the world and do not let any entity or person waste and pollute such vital source directly or indirectly. He added that with careful professional activities, one would be able to introduce such measures that can address issues that are linked with some actions which are polluting and deteriorating climate, water, and weather, the common asset of the world.

Finding various ways for enhancing water productivity and efficiency is a dire necessity and has to be addressed urgently. In Islamic Republic of Iran, extensive activities on development are being performed. Iranian authorities do not think merely of their own country but they are interested that the whole world progress to achieve and maintain peace all over the world. The great success of his country, H.E. Attarzadeh added, was based on the strategic instructions of the Great Islamic Leader, Honorable Khamenei, and round – the – clock attempts of Honorable President of I.R. Iran, the Cabinet and the Parliament, as well as, the dominant unity existing among them on supporting the activities on productivity promotion, water security and water supply especially by benefitting from the Islamic instructions. During the last year, by executing the rational subsidization program in Iran, about 5 percent of potable water was saved.

H.E. Attarzadeh continued his address and said that executing great projects of water supply, developing irrigation canals, and benefiting the modern irrigation systems in the farms have paved the way for food supply & food security in spite of a decade land aridity in Iran. Not only Iran could satisfy the local food requirements of some food items but also had begun to export certain food products. Iran engineering capabilities, project execution, operating water structures, absorbing further participation of operators and farmers and high-level authorities of the system, and execution and fulfilling comprehensive water management can be a paradigm for the world. In conclusion, H.E. Attarzadeh appreciated the presence of all ICID National Committees responding to their invitation. He stressed the urgency to select proficient productive managers to administer ICID in the highest level. He brought out that one has to march a long way to select and use the experiences available in the best national committees, their qualified managers to enhance ICID objectives and have them completely fulfilled. Eventually, H.E. Attarzadeh appreciated the cordial attempts of Honorable President, Prof. Dr. Chandra A. Madramootoo and Honorable M. Gopalakrishnan, Secretary General, during their successful period of holding the ICID responsibilities. He appreciated the round - the - clock sincere attempts of Iranian colleagues, especially cooperation of successful team of young students who helped them in holding such a great, unique 2011 event in Tehran. The I.R. of Iran's President, Ahmadinejad, distinguished Ministers of Energy and Jihad Agriculture have announced, the Minister continued, their strong supports to enhance ICID objectives, to benefit from exchanging the expertise and experiences of ICID National Committees. He anticipated that selecting the qualified ICID members pave the way for fulfilling ICID objectives.

*Applause...*

President Madramootoo thanked His Excellency Dr. Mohammad Reza Attarzadeh and expressed his sincere appreciation to the Vice Minister who graciously chaired the Iranian National Committee and worked with the Organising Committee helping them to make a very outstanding Congress and with excellent hospitality to all delegates .

*Applause...*

**Reports for Approval**

**President Madramootoo** then asked the Secretary General to present his report on item 8 of the agenda. He reminded the Council that the Secretary General's report will be his last one to the Council and the formal thanksgiving for his unstinted and dedicated service to the organization would follow later.

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## Item 8 : Secretary General's Report

**SG Gopalakrishnan** thanked the President Madramootoo for his kind words and thanked the Council for providing an opportunity to him to be before them for the 8<sup>th</sup> year in succession. Continuing, he said that his full report placed in the agenda might have been read by the distinguished members of the Council. SG Gopalakrishnan reported on the last IEC and the significant events that took place. More than 500 delegates from 35 countries joined the Yogyakarta meetings. International organizations like ADB, IWMI held a Special Session jointly besides Seminars. Distinguished Hon'ble Ministers from India, Iran joined besides the host country, Indonesia. Preceding ICID events an ICID – FAO – UN Water Decade Program on Capacity Building was organized and twenty representatives of different NCs attended. On the whole, the 61<sup>st</sup> IEC was a big success.

Covering the events held in various National Committees, he reported that these have been splendid achievements brought out in the Annual Report. He acknowledged and cited the very illustrious work done by PH Bart Schultz towards EB-Journal on Irrigation and Drainage. He profusely acknowledged the hard work done by Working Group on Sustainable Development of Tidal Areas that made it possible to bring out a publication. This was indeed a unique publication of its kind addressing areas that are prone to tidal influences. He was confident that ICID's visibility would enhance besides the areas that it addresses. The Tehran Congress transactions were brought out in two volumes, one in English and another in French and the papers in CD-ROM. 'ICID News' and monthly 'News Updates' were published as per schedule. A brief version of "ICID at a Glance" highlighting ICID activities was also brought out during the year.

With regard to membership position, **SG Gopalakrishnan** reported that the position remained more or less the same. He reported the addition of one more 'active' Committee, Tanzania, during the IEC events. At the same time, a concern about the Chilean National Committee was expressed by him as a withdrawal letter had been received. Overall SG reported that about 60 National Committees are active. SG reported that the position in respect of workbodies remains the same and almost all of them met last year. Overall, this comprises of 3 Permanent Committees, 2 Committees, 18 Working Groups, 4 Regional Working Groups, 4 Task Forces, 3 Administrative Bodies. The workbodies did their businesses as per schedule with about 218 nominated representatives (against 382 membership) spread all over the globe. SG Gopalakrishnan indicated that the ICID's real strength lies in the expert knowledge generated by these supporters. SG Gopalakrishnan informed the Council that he personally did as much as possible to enhance the visibility of ICID internationally. Covering a few events that he could attend, he listed the McGill Conference on "Global Food Security" in Montreal; Transboundary Cooperation Conference on "Transboundary Environmental Problems of Central Asia" in Tashkent; a Regional Workshop on "Sustainable Water Resources Use" in Bangkok where Dr. Tai-Cheol, Kim (Korea) was also present, as best. He worked with GWP-IWMI on "Climate Change, Food and Water Security", providing ICID inputs. On WWF Regional inputs, there was a special Cooperative Action for Water Security meet held in Tashkent in May 2011, which he attended together with VPH Victor Dukhovny. ICOLD invited ICID to join them in their 79<sup>th</sup> ICOLD Annual Council Meeting in Lucerne and he represented ICID. The new IPTRID capacity building exercise and the opening of research center in Beijing was yet another event that took SG to Beijing. He thanked Chinese National Committee on Irrigation and Drainage (CNCID) for its excellent efforts to launch the Centre for Cooperation to spread "Water Saving" message with examples. SG Gopalakrishnan also attended meetings of UN-Water Systems (relating to FAO, World Water Council, Forum, UNW-DPC, UNDP and UNEP) in the sidelines of World Water Week at Stockholm. He explained that the focus in the coming year's World Water Day is going to be "Water for Food Security"; a topic for the Stockholm Water Week itself would cover this. UN-Water, FAO and Stockholm organizers were eager for ICID's participation as there was recognition that ICID is the only organization of its kind that works on irrigation and drainage, thereby contributing significantly to food security.

At National level, **SG Gopalakrishnan** went on to say that ICID's visibility stood high. He acknowledged the governmental support for ICID. He felt that a lot of anticipation to provide guidance on various issues and he is in several Committees to help them. Central Office had played a very important role in trying to bring in private participation. From Spain, a distinguished team of experts and leaders in the irrigation sector FENACORE visited Central Office and held a Conference. Indian National Committee on Irrigation and Drainage (INCID) was joint organizer. SG Gopalakrishnan listed a few more like Cooperation with IUCN Regional Office and working with them on transboundary issues in a Committee. He said that the President, International Geosynthetics Society (IGS) in November 2010 initiated to explore possible areas of cooperation and this had led to the MoU to be signed in the IEC, little later. Listing other key dignitaries' visits to Central Office, he informed that His Excellency Aghatam AG Alhassanne, Minister of Agriculture and Aliou Bamba, Technical Advisor of the Ministry of Agriculture, Republic of Mali came to India in December 2010. Office Bearers PH. Keizrul bin Abdullah, VPH Larry D. Stephens, VPH S. Nairizi and VP Willem Vlotman also visited Central Office. Their main mission was to contribute to the Search Committee proceedings for the successor 'Secretary General'. He had more to add like Prof. Hatcho and Kenji

Yoshinaga from Japan, President Madramootoo visited twice during the year. Others included VP Bajaj (India), VPH Mohd. Azhari bin Ghazalli from Malaysia, a group comprising of Hon'ble Minister in Agriculture, Dr. Constantin and Dr. Sergi, an expert Professor and Dr. Irena Bondarik, Secretary General of the Russian Committee. The key aspect of discussion was a MoU for cooperation with ICID for working towards a ten year programme. The MoU signed during their visit would satisfy Russian National Committee on Irrigation and Drainage (RUCID) and the requirement of the Ministry in Russia on the cooperation. SG Gopalakrishnan added that the Cooperation with UNESCO – WWAP in World Water Development Report 4 preparation continues and the draft documents were getting exchanged. This was also circulated to the National Committees. ICID retains the privilege of providing two TAC members (i) VP Prof. Lucio Ubertini and (ii) SG Gopalakrishnan. Lucio's Institute provide space for the Secretariat for the World Water Development Report. Amplifying ICOLD – ICID cooperation and ICID – IUCN cooperation, he covered the new efforts made during the year, in both the cases.

SG mentioned that the ICID website is much more dynamic. In fact anything one requires in any language can be translated in 52 languages using the Google facilitation. The Annual Report placed in the website use Flip-Up Technology. In Google search, Irrigation and Drainage as main keywords would lead one to ICID. ICID webpage rank is 7/10. Central Office has introduced "Youtube" concepts; most of the speeches of President like the one in Spain, the Groundwater Session in Orleans etc., are covered in entirety in "Youtube". About 1000 articles stood added and the TDS request is still operational. SG said that Central Office also facilitated individual independent workbodies sites and hoped that this was utilized well.

**French Unit** – The Central Office has now only one lady to work in French Unit. Notwithstanding, he informed the Council that a lot has been done in French and quoted as an example the workbody proceedings that he exchanged with Malian delegate, Mr. Adama Sangare (*IEC agenda as well as PCSO and PCTA*). Our bilingualism in bringing out the transactions remains intact despite problems due to finances, staffing etc.

SG went on further to inform that the Central Office Technical Library is operational. He suggested that as and when ICID is better off financially, the Library could be modernized. It has a rich treasure, is usable, calls for is a reform in a big way.

**SG Gopalakrishnan** also highlighted the work on a book on late ICID President N.D. Gulhati by Dr. Shashi Gulhati that covered ICID's emergence in sixties. It was distributed to all the National Committees. SG indicated that the author Dr. Shashi Gulhati had assured more copies can be sent. The amount received from the sales of this book would be for ICID to support N.D. Gulhati Memorial Lecture.

SG informed the Council that the budget will be getting presented in PFC and which also forms part of the Annual Report. Overall he informed that we were able to manage, but there were lots of pending things to do and these were left for discussions during the PFC meeting.

**SG Gopalakrishnan** informed that ICID stood as a Global Institution, and has been chosen for the annual "*India Power Awards*". International Organizations who had contributed significantly for sustainable development and saving energy are acknowledged yearly. This award will be presented to ICID in New Delhi on 24 November 2011.

**SG Gopalakrishnan** indicated that he felt privileged to present his last report before the Council. He expressed that he was indebted to Council and its members. He in many ways consider himself as one of the luckiest and privileged in having remained as ICID Secretary General for a fairly long time next only to K.K. Framji, who served ICID for the longest period. SG said that his 8 years service to ICID gave him a rare and wonderful opportunity to be associated with many in the assembly. He recalled that he could join 3 congresses, 8 IECs in succession besides many more events. All of them were memorable and he would cherish them. He recalled that it was wonderful for him to work with three Presidents. President Chandra had been extremely supportive, as was the case with PH Peter Lee, and PH Keizrul. He had the wonderful support of many others like PH Bart Schultz, PH Aly Shady and PH Hennessy.

**SG Gopalakrishnan** thanked all once again and more particularly the Central Office for providing their excellent support that was remarkable. He thanked the professionals with whom he worked all through 8 years and the staff who were so committed, dedicated and showed their faith in the ICID system. He concluded his presentation thanking President and others in the assembly.

**President Madramootoo** thanked Secretary General for his report indicating that it was a very comprehensive report. SG and CO had a very successful year. A large number of activities were undertaken, the preparations for the Council meetings and activities of various work teams within ICID. President also mentioned that SG needs to

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be congratulated as he had just been given a great distinction as a Fellow of the Indian National Academy of Engineering and for obtaining the high standard nomination of his country.

President Madramootoo thereupon opened the floor for questions. **VP Vlotman** raised three issues, viz.

- (i) need for any specific Council approval for IEC minutes in a subsequent sitting,
- (ii) reflecting some discussions on `active' and `inactive' membership – particularly those who were admitted but had not paid (*for years sometimes*); brining them in the agenda repeatedly, and
- (iii) processes in place for authenticating Google translated contents (*indicated by SG in his speech*)

In response, **SG Gopalakrishnan** indicated that -

- (i) The practice has been to reflect the complete transaction based on the audio recordings which capture all that is spoken by the Council members. In this case, the onus of transcription lies in Central Office who put particular care to report the topic to reflect all essential inputs as faithfully as possible. After the minutes are placed in the ICID website or circulated, Central Office allow some time, say one month before printing. For any corrections that are proposed, due consideration is given in collaborating with the actual text in the recordings of the Council proceedings. The question of approving IEC minutes in a subsequent sitting thus did not arise in the past. The intention is to allow past practices to continue.
- (ii) With regard to the details regarding `active' and `inactive' membership fee payment, these are getting reflected in PFC and one should be in a position to know the situation. IEC gets a brief on the issue, through the PFC report.
- (iii) On Google translation, SG mentioned that the Russian ICID webpage are due to the support from the National Committee and its Secretary General Dr. Irena Bondarik. The translated application form using Google support was also referred to the Committee for vetting. There is thus some scope to get important contents properly authenticated through National Committee support.

**President Madramootoo** moved on to invite VPH Victor Dukhovny to say a few words on the Workshop held in Tashkent on “*Cooperative Actions for Water Security*”, which find a mention in the SG’s Report as item 8.5. **VPH Dukhovny** highlighted the emerging conflict between agrarian sectors and others. He indicated that the climate change, lack of credit, growing cost in respect of various inputs is impacting agricultural production. The new factor that is complicating the situation is sectoral conflicts and hydropower interests. While globalization paves way for commercialization, more benefits from water use can be harvested. The hydropower production with a high rise in energy prices competes with agricultural production as water business managers shift their priority in water use while using the resources. Hydropower can achieve efficiency of 100%, whether it had efficiency of irrigated agriculture related to net benefit may come up to a maximum of 82%. Winter energy provides a benefit of even 300%. Calling Central Asia case, he warned that there could be a global threat to agriculture. Construction of huge reservoirs enabled water accumulation and use in winter for hydropower affecting summer crops and the ability to deliver water for irrigation. Hydropower production timetable was each time factoring the request of irrigation in the former times. VPH Dukhovny continued to indicate that with the collapse of the Soviet Union the situation has changed drastically. Complex water related issues have cropped up affecting the economy of different States sharing the basin resources. The reservoirs in Kyrgyzstan and Tajikistan, transferred from Soviet Union ownership to power stock company, were responsible for hydro-power power generation. Deficit of financial resources for buying oil and gas for thermal station and high price for energy has resulted in changed water uses. While it produces more hydro-power, it leaves not enough water for irrigation. There is an artificial deficit in irrigation in the required months besides the artificial flood during high flows damaging downstream beneficiaries. A written note on a subject was provided by Uzbek National Committee through VPH Dukhovny, which is at **Annex 2** (note and Charter).

In conclusion, **VPH Dukhovny** indicated that ICID should promote strengthening of international water laws in its member countries and should request financial institutions to follow experts’ advice in respect of water development especially on the Transboundary Rivers and its impacts on riparian nation. An attempt should be to rehabilitate the system of education and develop the water as one can find in the Sharia, in many suras of the Quran, articles of the Bible and the Vedas. He urged all to protect the rights of people to food security, save the farmer and save the nature.

*Applause...*

**President Madramootoo** thanked VPH Dukhovny and recalled his association, his work with him in Central Asia for many years. He indicated that Fergana Valley of Central Asia, a highly productive region, had meetings with his farmers, irrigators, water managers. VPH Dukhovny highlighted the conflict between water for food production and hydropower development. President said that ICID would emphasize on water for food production and hence may have to pay attention to this and take this up in our collaborative effort with other sister agencies, such as ICOLD and IHA involved in similar projects. President Madramootoo pointed out that with respect to water resources and transboundary issues on water laws, while they are also important we need to work as a group to find ways to address water for food security . He indicated that VPH Dukhovny had made a very worthy intervention and also contributed many articles on the subject including in ICID Journal.

*Applause...*

**President Madramootoo** indicated that it is also in SG's agenda on signing of the Memorandum of Understanding (MoU) with International Geosynthetics Society (IGS). The Chair of the ICID / IGS collaboration Task Force, Mr. Eric Blond came forward to sign the agreement (*signing of MoU for collaboration between ICID and IGS took place Annex 3*). President Madramootoo remembered Dr. Plusquellec whose action to initiate this had helped the collaboration. He looks forward to the use of geosynthetics in irrigation and drainage and working together with Scientific Society. President Madramootoo then invited Mr. Eric Blond to say a few words.

**Mr. Eric Blond (IGS)** thanked the President, and informed that International Geosynthetics Society (IGS) is a Society which is specialised in the investment of geosynthetics widely used in irrigation and drainage, apart from other uses. They have over 3000 members in over 70 different countries, 35 chapters around the world. IGS organises 30 to 50 events in a year for technical exchanges relating to geosynthetics, its durability, installation in special conditions etc. He concluded his brief indicating that the collaboration with ICID would have a tremendous impact for all of us to work together to enhance the performance of the irrigation and drainage systems around the world.

*Applause...*

**President Madramootoo** then took up the approval for the Secretary General's Report, Mali moved the motion and the report was seconded by China, South Africa, Japan, Korea, Australia, India, Indonesia, Ukraine, Turkey, Iran, Egypt, Germany and France. President concluded that the SG Report was endorsed unanimously.

**President Madramootoo** thanked Mr. Eric Blond and moved on to item 9 and invited VPH Hafied A. Gany to present his report on MB.

*Applause....*

## **Item 9 : Report of the Management Board (MB)**

**VPH Gany** thanked President and said that he would like to skip reading the items and proceed to the ones which need approval of the Council.

The MB Report as circulated to Chairmen of National Committees is attached as **Annex 4**. Since the subject of the transitions like the appointment of Secretary General, the impending change of the Chairman of PCSO and the effected change in PCTA were all discussed earlier, he sought Council's approval.

**President Madramootoo** informed the Council about MB's recommendation of Dr. Ragab Ragab for PCSO Chair, VPH Felix Reinders for PCTA Chair for approval of the Council. The motion was moved by Japan, seconded by South Korea, Malaysia, Mali, Egypt and China, besides others. The Council approved the changes.

**VPH Gany** then moved on to the issues relating to ICID Journal. He informed that PH Bart Schultz, Chair of MT-JOUR joined VPH Larry Stephens, Chair, C-PR&P during the MB meeting and briefed them on ICID Journal. The MB considered the alternative pathways like free access journal need not be resorted to. It also emerged that it would take some time before the Journal breaks even with regard to payment for ICID copies and royalty received for publishers' copies. The Committee approved the pricing for next year at \$ 45 online and \$ 53 for online plus printed copies. Proceeding further, VPH Gany highlighted the issues reported to MB from the Staff Committee. The MB noted the curtailment of the Central Office staff to 17. It was decided that all vacant posts, including that of Secretary should be abolished. Keeping the Staff compliment as 17, the incoming SG can review and make

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adjustments to accomplish the work of Central Office. MB noted that SG has implemented all the recommendations of the Committee chaired by VP Bajaj constituted to look into pay revisions in the light of the Govt. of India's pay commission recommendations. MB also took note of the fact that the case of Mr. Saksena, Ex-Secretary vs. ICID was decided in favour of ICID after nearly 10 years. However, another retired ICID employee at senior level Mr. K.N. Sharma, Ex-Secretary has filed a case on ICID in the High Court of Delhi for higher compensation at the rates that were allowed earlier on grounds that those decisions were irreversible. MB has directed that SG should defend ICID position, engaging an Advocate for legal support.

**VPH Gany** moved on to introduce the item on IRPID, a new approach for technology research and the opening of centres in China and Iran. MB endorsed the nomination of Dr. Monem as Programme Manager based on the suggestion of IRNCID and recommended an in principle approval to the rules and regulations and proposal for cooperation as envisaged by IRNCID. MB took note of the fact that the Govt. of Iran through its Ministry of Energy and Ministry of Jihad a Agriculture decides IRNCID would bear all costs associated with the nodal centre which will be provided with the guidance of ICID / IEC/ relevant workbodies.

**VPH Gany** informed that ICID Congress themes for the forthcoming 22<sup>nd</sup> Congress in Korea was discussed and considered the themes evolved by the Special Work Team constituted for this purpose. MB suggested the need for revisiting the Questions and modified putting more emphasis on irrigation and drainage aspects as it was found missing.

**VPH Gany** indicated that the MB took note of the work done by the Committees and Panels established for various Awards like BPWA, BPNC, Gulhati Memorial Lecture nomination, Best Paper in Journal, in addition to WatSave Awards. MB was concerned at the poor response for the nominations of Young Professional WatSave Award and hope that the NCs would be more active in soliciting in better nominations from all categories. There was also some discussion as how to attract the Best Paper Awardees for I&D Journal to encourage participation in IEC for receiving the Award.

The MB had also considered the some minor amendments to implement the managerial decisions in the Constitution and By-laws and this was mainly due to changing staff pattern in the CO. The main change proposed there placing the word "Secretary" wherever it exists by the word "Professional(s)" in Clause 10.4(b) of the Constitution and Clauses 5.9.1(d), 5.9.1(e), 5.9.2(c) and 5.9.2(d) of the By-laws. VPH Gany said that IEC's approval on these amendments to the Constitution, By-laws and other procedures are recommended for approval.

**President Madramootoo** asked SG Gopalakrishnan to report with respect to changes in the By-laws as these had to be approved by IEC. Amplifying the report presented by VPH Gany, SG Gopalakrishnan indicated that the decision is reflected in item No.11 of the MB's report.

MB considered these amendments to ICID Constitution and By-laws. The main change was proposed was just replacing the word 'Secretary' wherever it exists with the word 'Professional(s)'.

MB discussed that in essence, normally one requires to constitute a Committee to look into the amendments to Constitution and By-laws. But the instant case is a very simple one. As one could see from the report of the MB on the reduction in the staff and the abolition of post that were vacant, administrative difficulty might occur if these amendments replacing word "Secretary" in Constitution is approved as there is no post of Secretary. Secretary normally handled administrative function in the past when the post existed as delegated powers of the Secretary General. The SG has now delegated these functions to the professional(s). SG Gopalakrishnan conveyed that if the amendments are not effected, problems could surface. Since it does not require any major change, MB thought that this can be brought before the IEC for approval for just replacement of the position of 'Secretary' which finds a mention in the Constitution.

**President Madramootoo** explained to the Council the fact that there is no change and the necessity arose out of the abolition of the post of Secretary. What had been suggested is to replace wherever the word "Secretary" by "Professional(s)". He then opened the floor for discussions.

**PH Peter Lee** rose up to point out to SG that he is the custodian of the Constitution. The Constitution is very clear on any change. A change in the Constitution not only requires a Special Committee, but it requires circulation of the changes two months before this meeting and 2/3<sup>rd</sup> majority voting in the meeting. The point is that that anything that affects the Constitution should be brought to the attention of those who are not able to attend the Council and thus provide them an opportunity to send a member to vote on the change if any wish to. He explained that while he appreciates that the move is driven by some external consideration, he believed that the Constitution is sacrosanct

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and one should not change the procedure. While basically the Council is empowered to make changes in the by-laws, there is no such mention of the Constitution.

He also pointed out that one does not have the MB Report to appreciate the changes proposed.

**President Madramootoo** then allowed VP Vlotman, on request, to speak.

**VP Vlotman** indicated that he fully concurred with what PH Peter Lee said. Because of the lack of information, it is hard to follow. He said that he had picked up that some changes in the text to include Central Office Professional(s) were being made.

**President Madramootoo** conveyed there is a table, but the same has somehow not been distributed. The table showed the existing and the proposed.

**VP Vlotman** went on further about the need to have the definition of Central Office professional, as it can clarify.

**Secretary General Gopalakrishnan** responded that PH Lee brought out whether one could handle the case within the available provisions in By-laws instead of the Constitution. However, there is a "Secretary" mentioned in the Constitution in para 10.4. It extends to cover aspects like payment of remuneration of the Secretary and Staff of ICID for the services rendered. It was because of these fact, the Staff Committee assisting the Management Board (MB) in staff related matters, in due consideration to the available positions, after a reduction in number, done to control essentially the expenses and the direction to abolish the posts that are not filled-in, action was taken. As and when a necessity shall arise in future to have any post, it will be initiated with all justifications as the case may be. The directions were generally that Central Office should perform more with less staff which stood compiled with. But, as a result of that, certain provisions embedded in the Constitution and not in tune with the changed situation could create difficulty in administering. These are the clauses that have been figuring in our discussions. When these were brought before the MB through Staff Committee (SC), a general consensus was there that it is a simple change and should be done without much delay. But the changes to be made in the Constitution, needs to be brought before the Council. The path open to us is that to a Committee be constituted to look into the amendments and get back to the Council for recommendation regarding what should be done. One could alternatively consider that being a simple amendment following some managerial actions to reduce the strength through the route of SC and MB, who are charged with the administrative affairs of the ICID, Council agree to the amendments proposed through MB sitting. SG Gopalakrishnan concluded that it is for the Council to decide, as appropriate.

President Madramootoo then gave the floor to VP Bajaj who sought to intervene.

**VP A.K. Bajaj** went on to clarify that as SG had informed the matter and had come up because some of the posts which were vacant at that point of time of SC meeting were abolished. He pointed out that there is no post of "Secretary" in the Central Office. And if we allow this word "Secretary" to remain in the staff rules, it could lead to a dichotomy as it could provide a scope for someone to refer to this and this can lead to some legal complications also. The proposals are simple and are just reflecting the situation on the ground. By changing the word "Secretary" to "Professional" in the rules, the administrative responsibilities as appropriate can be delegated by SG to his professional. VP Bajaj felt that it is very simple matter which, if allowed to linger for one more year, may lead to some complications, especially because there is a court case going on against the Central Office. The gentleman who is contesting was "Secretary" earlier.

**President Madramootoo** then requested PH Bart Schultz who wished to speak.

**PH Bart Schultz** thanked the President and said that while he does not know the details of the case that is before us, it must be noted that one is dealing with the appointment of a new staff member. In our practices, we can appoint anybody for a short term assignment with a different name and we have a year time to show off the changes in the constitution in the practices we are used to. When those changes are implemented in the By-laws, then the person can be appointed in the official function. I do not see any harm in appointing a new person for a one-year term on the basis on which he/she will be finally appointed in the new rules as per the by-laws.

**President Madramootoo** thanked all for the valuable interventions. He then pointed out that the Constitution of ICID does not enshrine the position of "Secretary". He clarified that it was there in only one place in the Constitution - where the word "Secretary" appears and that is in 10.4 (b), page 18 payment of Remuneration to the Secretary and Staff of ICID for services rendered. President felt that this matter should not be tie us up by an unnecessary process. It is fairly clear that it is not a constitutional appointment. It does not change any provisions in

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the Constitution. Simply the fact of the case is that we no longer have a “*Secretary*” and hence only replace the word “*Secretary*” appearing on page 18, 10.4(c). It is specific with respect to staff remuneration.

He proposed that we can accept that the revision that VP Bajaj and VPH Gany explained. President Madramootoo, in due consideration to PH Lee’s pointer asked Secretary General to provide the copy of the ‘Table’ considered in SC and MB and adjourned the discussions on this item allowing members to look at these papers. President then requested VPH Gany to proceed further to complete the MB report appraisal.

**Vice President Hon. Gany** explained to the Council that the MB was apprised of the issues related to the leasing of the first floor of the premises in ICID Central Office conclusion of the present lease agreement would occur in June 2013. The MB advised the Secretary General / the Secretary General (Designate) present as observer, to come out with a proposal for establishing an international advisory group to oversee the process of leasing of the premises so as to ensure maximum benefit for the ICID.

VPH Gany then indicated that the Management Board approved, in principle, the collaboration with the International Geosynthetic Society (IGS) and signing of a MOU to this effect.

Reporting further on MB proceedings, VPH Gany informed that choosing theme leadership on a viable basis was a discussion in MB. The Management Board considered the best possible ways available for the nomination of Theme Leaders for various themes in place like 'On-Farm', 'Basin', 'Systems' and 'Knowledge'. In the prevailing rotational system each one of the theme leaders make a presentation in IEC. But, it has been seen that the process sometimes does not function properly since the efforts of the Central Office to have a Theme Presentation does not bear fruit. Noting this situation, the MB proposed that every year, the two of the three newly elected VPs be given the responsibility to jointly lead a particular theme and continue doing so, during their tenure. During the subsequent year, each one of the themes will thus have its 'joint' leaders. The theme leaders for the next Theme will be nominated from the three new VPs during the next year. By adopting this approach, MB felt that the newly elected VPs will also be able to play an active role in the work of various themes besides ensuring continuity in the theme leadership. The proposal is placed for consideration and approval by the IEC.

President Madramootoo opened up the floor for discussions.

**VP Vlotman** wanted that it should be made clear as to what is happening. One of the struggles that we face relates to the appointment. VPs have all kinds of functions. He wondered as to whether this approach would enable the Theme Leaders to be able to attend all workbody meetings that are covered under the theme. He wondered if the new model would accommodate or open conflicts for the new Vice Presidents to do their work effectively.

**SG Gopalakrishnan** supplemented details on what was discussed in MB. The main problem that we face right now was that in the way the scheme of things as it obtained there is a Theme Leader and a Deputy Theme Leader. By rotation, these Theme Leaders would come before IEC to present once in four years, what is happening in respect of the theme in the workbodies. The experience in the recent past indicated that there is a lack of volunteers for taking over the responsibility. This is equally so far theme leadership as well as sub-theme leadership. This way many of the positions remain vacant. In the last PCTA, VP Vlotman brought out the need for revisit the whole thing. The way we wanted to go choosing the Theme Leader as well as the Sub-Theme Leader thus came up for discussions before MB. This is one side of the coin. The other side of it is that most of our Vice Presidents wonder as to what their roles are and what they should do right in the beginning as soon as they get inducted as Vice President. There is a lot of enthusiasm. In the Management Board, the discussions took note of this and the very senior Office Bearer of the Commission ready to do something have a very clear cut three years plus one more year in the PCSO, four years can contribute. This when there is a theme leadership problem, in such cases where there is nobody to volunteer, we can choose one amongst those who are elected as Vice Presidents. The most appropriate theme can be his choice. He can contribute as a Co-theme Leader, if he so desire. And as and when the theme leadership falls vacant, he can take over. In case of they are able to contribute as a Sub-theme Leader, then also it can work. That way the task would be better tackled. Quite a few times, we do have a very competitive group of VPs who can handle any one of the themes of their own specialty. SG Gopalakrishnan explained that the suggestion that came before the MB was in case there is no such volunteering, we would be in a position to choose the best candidate for the particular theme from amongst the VPs chosen in a particular year, so that he get associated with that and we are in a position to capture what is happening in the particular theme during the three, four years. Within the four years that a VP remains in PCSO, then he will be able to present before IEC at least once. SG Gopalakrishnan felt that the essence of trying to co-opt is important and one can give a title “*Co-Theme Leader*” to them, so that the Vice President(s) are in a position to contribute more.

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**VP Vlotman** thanked SG for the clarification and felt that it would be a good idea. We have only four theme leader position and we are going to have 9 VPs and hence he felt that the Theme Leader and Co-Theme Leader can always be made to function. He said that he recommend it.

**President Madramootoo** concluding the discussions on the topic indicated that we should go ahead with Co-Theme leadership in the first stage and then the Theme Leaders to see how it works. Whether it works properly or there is some concern will depend on the allocation and deep interest in that particular area, themes for the persons concerned. He felt that the new option should be tried and if successful can do down to the Theme Leaders.

President opened up to the Council if there were any further questions on VPH Gany's report. There was none. He preferred to continue with the only one adjourned question relating to the Constitutional Amendment in the post-lunch session.

Reconvening the meeting after lunch, **President Madramootoo** informed that the verbal report of the Management Board was still on the floor, to be approved. He then sought an approval of the verbal report, and to commence discussions. US proposed and seconded by Japan, Australia and Italy. President opened the floor for discussions and invited PH Peter Lee to speak.

**PH Peter Lee** rose to indicate his support of the Council's approval for the Management Board report and in support of the rationalization of ICID Central Office that has been advised. PH Lee felt that the rationalization of the Central Office staffing has to be specific. He then proposed on behalf of the British National Committee, that ICID formally abolish the post of Secretary. And he continued that in due course and as per the procedure of the Article 11 of the Constitution, consider the incidental modifications to the Constitution and By-laws.

**President Chandra Madramootoo** thanked PH Peter Lee speaking on behalf of the British National Committee. The motion was seconded by Australia, USA, Malaysia, Spain, China, Korea, Japan, Mali, Niger, South Africa and Pakistan. President Madramootoo informed the Council that from the strong show of hands the motion that has been brought for the abolition of the post of Secretary of ICID stands approved. To carry this further, President went on that he consulted with some of the Office Bearers would like to bring to the Council for an endorsement of a Committee to look at the By-laws in light of the motion that has been brought forward. In addition to the motion that has been just brought forward, he referred to the other agenda on Broadbasing of Membership that VPH Felix Reinders presented and sought Council's approval for a Committee comprised of President Madramootoo as the Chair, VPH Larry Stephens, VP Bajaj as Members and the incoming Secretary General A.C. Tyagi as the Ex-officio Officer of that Committee. The Committee will take into account the recommendation that has come from British National Committee plus the proposed changes in parallel with the broadbasing of members. The Committee would come up with suggestions on Constitutional changes to the Council next year for a vote.

The motion was moved by Japan and seconded by South Africa, Malaysia, China, Egypt, Mali, Finland, Estonia, Italy, United Kingdom, Ukraine, Turkey and Thailand. The motion stood adopted.

President permitted Mr. Ian Atkinson (Australia) for an intervention. Thanking President, Mr. Atkinson inquired if the Terms of Reference for that Special Committee can review the entire Constitution.

President thanked Australia for the intervention, but explained that it would be better to restrict our mandate and the Terms of Reference to the two issues that has been brought to the Council and that is (i) the abolition of the post of Secretary and (ii) broadbasing ICID. If there are other things that appear easily and evident, one would have no problem to bring them forth. But one has to keep in view with time limitations rather than take on the whole Constitution at this time, especially when the next meeting is just a few months away. He would be cautious with the time limitation and restrict the Committee's task, as voted.

To a query from VP Vlotman, President confirmed that the Committee recognized any changes to the Constitution had to be worked out quickly, so as to come up with recommendations before Adelaide.

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**Item 10 : Report of the Permanent Committee on Strategy and Organization (PCSO)**

**President Chandra Madramootoo** invited VPH Gany to present the report of PCSO as its Chairman.

**VPH Gany** apologized for any inadequacies in the PCSO report stating that he had some constraints. He then took up a brief review of tenure and activities of workbodies for information. In terms of By-laws again 3.2.2(e), VPH Hafied Gany (Indonesia), VPH Prof. Peter Kovalenko (Ukraine), and VPH Dr. Illahi B. Shaikh (Pakistan) would retire from the membership of PCSO at the conclusion of the Tehran events. The three Vice Presidents who will be elected at the 62<sup>nd</sup> IEC will join the Committee as members in their place. VP Dr. Ragab Ragab (UK) was proposed to be the subsequent Chairman of PCSO as recommended by the Committee and this was for approval by the Council.

On the nominations received for membership for workbodies under PCSO, **VPH Gany** informed that PCSO recommended the names of -- Engr. Aliou Bamba (Mali) and Engr. Raphael L. Daluti (Tanzania) for AFRWG; Dr. Mohammad Amin (Malaysia) and Mr. Uttam Raj Timilsina (Nepal) for ASRWG; Ms. Sabine Walser (Germany), Mr. Olli-Matti Verta (Finland) and PH Peter S. Lee (UK) for ERWG; Mr. Vladimir B. Kundius (Russia) for WG-IDSST; Mr. Ian Atkinson (Australia), Dr. Sami Bouarfa (France), Mr. Syaiful Mahdi (Indonesia), Dr. Jin-Hoon Jo (Korea), Dr. Adama Sangare (Mali), Mr. Bert Pijpers (The Netherlands) and Dr. K. Yella Reddy (India) for C-CONGR and Mr. Gao Lihui (China) and Dr. Sung Hee Lee (Korea) for WG-YPF -- for Council's approval.

On 'Reactivation of inactive National Committees', he said that Tanzania has activated its National Committee and their delegation was present in the Tehran Congress. Their reactivation was to be approved in the International Executive Council. **VPH Gany** informed that Vice President Dr. Hayde (Hungary) has been endeavouring to bring Armenia and Georgia under ICID fold and to reactivate Macedonia.

**VPH Gany** proceeded to report on the item 'Review of tenures and activities of workbodies' under PCSO. Presently, there are seven active countries in Africa including Tanzania. The members of African Regional Working Group agreed that there was an urgent need to revitalize the National Committees in Africa. For European Regional Working Group, Mr. Olli Verta was elected as a member/ Secretary. Dr Irina G. Bondarik from Russia made an invitation presentation on the preparation for 12<sup>th</sup> International Drainage Workshop to be held in 2014.

Russian NC nominated Mr. Vladimir Kindius as a member of WG-IDSST. VP Vlotman from Australian National Committee presented a brief review on the preparations carried out for holding the 63<sup>rd</sup> International Executive Council meeting and 7<sup>th</sup> Asian Regional Conference in Adelaide, Australia at the C-CONGR meeting. The main theme of the Asian Regional Conference is "Droughts, Floods, and Environmental Managing Consumptive Water Needs Sustainable". He also explained about technical and sightseeing tours and also key dates for presenting papers. Dr. Gany proposed to upload all relevant information related to these events on ICID website and requested all National Committees to provide their comments/announcements on their events planned to be held in their respective countries.

On WG-YPF activities, **VPH Gany** reported that Dr. Sung Hee Lee from Korea and Mr. Gao Lihui from China were elected as new members. The main issues deliberated during the YPF were (i) Launching a specific webpage of Young Professionals in the Facebook for having better connections with young professionals in the field of irrigation and drainage, (ii) Waiving/reducing the registration fee of future ICID events for YPF and (iii) Providing sponsorships and inexpensive accommodation to WG-YPF members by the host countries.

**VPH Gany** moved on to report on the agenda on 'New Workbodies' and informed that the first meeting of the proposed Working Group on Millennium Development Goals was held back-to-back with WG-POVERTY. Under agenda on "Strategy for Communication and Cooperation between ICID and other Organizations", three categories were dealt with, viz. (i) Lead International Organizations, (ii) Farmers and other Water Users, and (iii) Membership of International Organizations, Private Companies and Manufacturers. In PCSO meeting, VP Dr. Hayde mentioned that each National Committee should analyse Private Organization in each country and the results should be communicated to the Central Office to make the final decision regarding its membership and the subscription/ fees payable. He suggested to form a special committee for making decisions about the process of membership of the private organizations.

For information of the Council, **VPH Gany** reported on three issues considered under 'Any other businesses of PCSO. Issue 1 was 'Proposal for a Task Team on ICID Engagement with the Rio+20 Process'. The United Nations Conference on Sustainable Development (Rio+20) is scheduled to be held in Rio de Janeiro, Brazil from 4-6 June 2012. with three objectives. These are, amongst others, (i) Securing renewed political commitment for sustainable

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development, (ii) Assessing the progress to date and remaining gaps in implementation of the outcomes of the major summits on sustainable development, and (iii) Addressing new and emerging challenges. In response to the open invitation by the Preparatory Committee to all relevant stakeholders for preparing the draft outcome document for the United Nations Conference on Sustainable Development to submit their inputs by 1<sup>st</sup> November 2011. It was therefore, proposed to establish a Task Team with following Terms of reference: (i) Make a submission to the Preparatory Committee on behalf of ICID; (ii) Explore the possibility of participation of ICID in the conference; (iii) Appraise the National Committees of the Progress from time to time; and (iv) Considering the uncertainty on the follow up Rio+20, suggest further engagement and follow up actions to the process.

On Issue 3 'To make Office Bearer/Working Groups/Task Forces more active and productive', **VP H Gany** informed that PCSO had taken note that non availability of any financial assistance to the Office Bearer/Working Groups/Task Forces was impeding the progress or output desired from them. It was agreed during the meeting that the volunteers who provide intellectual input as the Office Bearers or Chairs and members of the Working Groups/Task Forces cannot and should not be forced to pay from their own pocket for various activities and events related to ICID.. PCSO recommended that ICID should support Office Bearer/Working Groups/Task Forces in bearing the cost for their visits.

With this, **VP H Gany** concluded his report.

*Applause ...*

**President Chandra Madramootoo** thanked VP H Gany for his presentation and opened the floor for discussions.

**Vice President Dr. Hayde** brought to attention VP Vlotman's suggestion to formulate recommendations on a new format for WG minutes with the action points at the end and to make the work of PCSO and PCTA easier, especially when the WBs' Chairmen are not present in the PCSO and PCTA meetings.. For that, he and VP Vlotman have volunteered to work on this with the Secretary General (Designate) and Central Office to formulate a new format for the minutes.

**President Madramootoo** thanked VP Hayde for those observations.

**VP Dr. Vlotman** said that VP Hayde and he volunteered to help Mr. Avinash Tyagi, SG (Designate) to vet the draft that he had prepared and reword it for getting it ready for submission to Rio+20. **President Madramootoo** reminded that the deadline was very close and enquired whether the document was circulated amongst National Committees.

**VP Dr. Vlotman** replied that it was not circulated and the next version would be circulated. He said that it was going to be quick to turn around as the 1<sup>st</sup> November was the date for their reactions. Dr. Vlotman suggested proceeding with the formation of a Task Force and interested volunteers should be invited. He will ask the SG to send out a request to ask for people willing to be on the TF after including his views on the first draft that has already been sent.

**VP Dr. Vlotman** proposed another correction on item 6 'no comments were added'. He said that they had an extensive discussion on the topic in the PCSO. VP Husnain Ahmed from Pakistan, himself and others made good contributions which led to the document that was submitted earlier there to the IEC. So, he desired their contributions to PCSO should be acknowledged. **VP Vlotman** also informed that New Zealand does not have finances to join ICID.

**President Madramootoo** thanked VP Vlotman and appreciated the facts that while they were not part of a TF, but they have agreed to work with the new SG and also the new Chair of PCTA to make the minutes a lot more expressive.

**President Madramootoo** ruled that the minutes needed to be amended so that those corrections be reflected. He thanked all discussants for their comments and asked for a motion to approve the PCSO report.

*(The motion was moved by Japan, and seconded by China, Germany, Mali, Italy, Pakistan, Iran, Turkey, France and the motion was accepted unanimously.)*

*Applause .....*

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### **Item 10.1 : Special Committee Report on Strategy Theme**

**President Chandra Madramootoo** then took up Item 10.1 that is “Special Committee Report on Strategy Theme” and invited Dr. Sami Bouarfa to make a presentation on “Groundwater” under Strategy Theme ‘Basin’.

**Dr. Sami Bouarfa (France)** thanked President and went on to make his presentation. He told about the 24<sup>th</sup> European Regional Conference on “Groundwater” organized last March in France in Orléans. He thanked ICID for its support for organization and promotion of this event organized by French National Committee and particularly President Madramootoo for his personal and active participation.

**Dr. Sami Bouarfa** said that he did not have to emphasize on the importance of the issue of ‘Groundwater use in agriculture’. President Madramootoo in his intervention in the morning has recalled the main figures on this issue. He wanted to just add that from 1950 to 2000, overall groundwater extraction increased 10 times and has gone from 100 million cubic meters to 1000 million cubic meters. The Orléans Conference attracted more than 300 participants from about 20 countries from Europe, Mediterranean countries, Africa and other continents. More than 100 papers were presented which are uploaded on the Conference website. During the Conference, experience of the region of Beauce which is a region close to Paris and Orleans, also famous for its cereal production was shared. But this region has also specialized agriculture thanks to irrigation, particularly irrigation from groundwater. However, there are lot of constraints on sustainability of the groundwater irrigation.

Continuing his presentation, **Dr. Sami Bouarfa** added that they had discussed innovative management approach between farmers and administration adapting to volumetric management system at the farm level. Dr. Sami communicated three key messages of the conference that the ICID now to address the issue of groundwater so as to find solutions to avoid groundwater over exploitation, the deteriorating quality of groundwater, especially due to intensive agricultural practices and its implications develop appropriate strategy of conjunctive management of both groundwater and surface water. Dr. Bourfa informed that 15 papers were selected out of 100 papers presented in the conference to bring out a special issue of *Irrigation and Drainage* and hoped to have this issue available at the 6<sup>th</sup> World Water Forum. He thanked the House for giving attention to his presentation.

*Applause ...*

**President Chandra Madramootoo** thanked Dr. Sami Bouarfa for his report. He said that he had the privilege of being invited by the French National Committee to deliver the keynote address. He was very impressed with the quality of the Conference and the location was superbly planned. He congratulated the French National Committee for a successful conference. President then opened the floor for discussion. He added that he was looking forward to seeing the special issue of Journal of the accepted papers and thanked PH Bart for making this possible.

*Applause ...*

**President** then took up agenda item 11 ‘Report of the Permanent Committee for Technical Activities (PCTA)’ and invited its Chair VPH Felix Reinders to present the report.

### **Item 11 : Report of the Permanent Committee for Technical Activities (PCTA)**

**VPH Felix Reinders** thanked President and said that it was an honour for him to present PCTA report to IEC. The item that he first tabled was about the membership of PCTA and workbodies under it, their reports, newly formed Task Forces and Working Groups. Starting with PCTA membership, he informed the Council that he has officially become the new Chair of the Committee. He further informed that Vice President Dr. Willem Vlotman had been elected as the Vice Chairman in place of Mr. Bruno Molle who could not attend the past four meetings of this Committee and VPH Larry D. Stephens had volunteered to continue as the Secretary of this very important Group.

Then **VPH Reinders** proceeded to make the House acquaint with the structure of PCTA vis-à-vis the workbodies reporting to the Committee. The workbodies under PCTA are divided into four different strategies – the Knowledge, Systems, Basin and On-Farm. Under Knowledge, the workbodies of (i) Committee on Public Relations and Publications, (ii) ICID Journal Editorial Board, (iii) WG on History of Irrigation, Drainage and Flood Control, (iv) WG on Technology and Research Uptake and Exchange and (v) Task Force to Guide ICID Inputs to WWF-6 have been covered. The next one is Systems. The WGs on (i) Drainage, Modernization of Irrigation Systems, (ii) Water Saving for Agriculture, (iii) Role of Irrigation in Poverty Alleviation and Livelihoods, and three Task Forces in terms of

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Financing (i) Water for Agriculture, (ii) Bio-Energy and Food and (iii) Sedimentation of Reservoirs have been dealt with under Strategy Theme - Systems. The third one, Basin composed of WGs on (i) Environmental Impacts of Irrigation, Drainage and Flood Control Projects, (ii) Comprehensive Approaches to Flood Management, (iii) Sustainable Development of Tidal Areas, (iv) Global Climate Change and Agricultural Water Management, and (v) Water Management in Water Stressed Regions. Only three workbodies, viz (i) Use of Poor Quality Water for irrigation, (ii) On-Farm Irrigation Systems and (iii) Water and Crops report to PCTA under the Strategy Theme - On-Farm.

To come to the different composition of the workbodies and new membership proposals for approval, **VPH Reinders** reported that there was none under Committee on Public Relations & Publications. In the Editorial Board, there were three new nominations, i.e. Dr. Mohammad Javad, Prof. Dr. Klaus Röttcher and Dr. Takao Masumoto. Dr. Kristoph-Dietrich Kinzli from USA was approved as an additional Associate Editor. The next one was History of Irrigation, Drainage and Flood Control – one was recommended for approval, viz. Ing. Antonio Linoli in place of Mrs. F. Sinatti (Italy). From the Drainage, there were two Mr. Ardavan Azari from Iran and Ms. Helena Aijo from Finland. In the WG on Role of Irrigation in Poverty Alleviation and Livelihoods, there was none. In Financing Water for Agriculture, Dr. K. Yamaoka was elected to serve as Vice Chairman. In the WG on Water Management in Water Stressed Regions, there were two -- Dr. Kiwook Park (Korea) and Dr. Takanori Nagano (Japan). From the WG on Sustainable Development of Tidal Areas, four nominations -- Dr. Kazuaki Hiramatsu (Japan), Dr. Kiwook Park (Korea), Prof. Budi Santoso Wignyosukarto (Indonesia) and Engr. Md. Ahasan Ullah (Bangladesh) were accepted. Then they also elected Chair, Vice Chair and Secretary. Prof. Ruey-Chy Kao (Taiwan) will be the new Chairman of the WG, Ir. Henk P. Ritzema (The Netherlands), the Vice Chairman and Prof. Kazuaki Hiramatsu (Japan), the new Secretary. In terms of Environment WG, two nominations -- Dr. Anna Tedeschi in place of Mr. Stefano Salbitani (Italy) and Mr. Ahmed Aziz (Iraq) were accepted. The WG also elected Dr Sylvain-Roger Perret to serve as Chairman and Prof. Dr. Nobumasa Hatcho as Vice Chairman. For WG on Comprehensive Approaches to Flood Management, three new nominations were recommended for approval- Mr. Olli-Matti Verta (Finland), Prof. Dr. Klaus Rottcher (Germany) and Mr. Marcel Marchand (The Netherlands). For the WGs on Technology and Research Uptake and Exchange and Global Climate Change and Agricultural Water Management there were no new nominations. For WG on Use of Poor Quality Water for Irrigation, three new nominations were received, Dr. D.K. Sharma (India), Dr. Anna Tedeschi (Italy) and Dr. Takanori Nagano (Japan) and recommended for approval. VP Dr. Samia El-Guindy was proposed as the new Chair of WG-PQW as Dr. Ragab Ragab has become the new Chair of PCSO. He then asked the Council to bring to his notice if there were any deviations in the report, for modifications later.

**President Madramootoo** asked Dr. Shaden to make her point.

**Dr. Shaden** informed that in WG-TRUE, there was one nomination from Malaysia and it was approved during the meeting and this was not matching with PCTA Chair's report. Also one more correction was there concerning the membership of Mr. Ahmed Aziz who was mentioned as from Iran, however, he is from Iraq.

**President Madramootoo** thanked Dr. Shaden saying the corrections will be done and asked PCTA Chair to proceed with his report.

**VPH Felix Reinders** requested President it would be easier if they can bring in writing the suggested corrections so that he or Secretary, PCTA VPH Larry Stephens could compile and correct the minutes later.

**President Madramootoo** asked Dr. Shaden to bring it in writing the proposed changes for Chair, PCTA for making it easier for him to incorporate.

**VPH Felix Reinders** then continued with the presentation of new membership proposals from workbodies. In the WG on Modernization of Irrigation Services, two new nominations -- Mr. Mehrzad Ehsani (Iran) and Mr. Muhammad Yazid bin Abdullah (Malaysia) were recommended for approval while in the WG on Water Saving for Agriculture (WG-WATS), nomination of Mr. V.K. Chawla (India) was approved. In WG on On-Farm Irrigation Systems, three new nominations were accepted, viz. Dipl. Ing. (FH) Jano Anter (Germany), Mr. Yazid bin Abdullah (Malaysia) and Dr. Akira Iwamoto (Japan). There were no new nominations for the three Task Forces., VPH Reinders recommended the new nominations as per the above for approval of IEC.

**President Madramootoo** then invited for a motion to approve the nominations recommended by PCTA.

*(Proposed by Japan, and seconded by South Korea, Malaysia, Pakistan, Estonia, Bangladesh, China, France, Germany, Indonesia, Italy, Iraq, Iran, Turkey, Thailand and the motion was accepted unanimously.)*

Continuing his presentation, **VPH Felix Reinders** reported on the websites of ICID workbodies. Twenty-two workbodies have established web pages. PCTA has urged the remaining workbodies to develop web pages since it is a very important mode of communication available. Secretary General Gopalakrishnan explained the improvements made on ICID website.

VPH Reinders then moved on to item 4 'Reports by the Chairs'. He said that within Strategy Theme 'Knowledge', the Committee on Public Relations & Publications (C-PR&P) has agreed for a reduced price for sales during the Tehran Congress for the "21st Proceedings" @ US\$ 75 and for the publication "Toward Sustainable Development of Tidal Areas" @ US\$ 100. An extensive review of the ICID website was made; excellent work by the Central Office to improve the website during the past year was noted. On Editorial Board (EB-JOUR), he said that PH Bart Schultz would give a full report later on. To note some issues by the House, he said that the impact factor was reduced for 2010 but expected to be higher for 2011 and the five year factor had been computed for the first time at 0.852, which was a noteworthy accomplishment. Three Special Issues of the Journal will be published in 2012. Wiley had requested for key words for irrigation and drainage and the list was provided by the Central Office, using the ICID Multilingual Technical Dictionary. The Best Paper Award for the year will be announced later by the Chairman. The Editorial Board Chairman Dr. Bart Schultz also noted that a decision on a new agreement with Wiley or a new publisher will be needed next year.

**VPH Reinders** then reported on the activities of the Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST). History Seminar was held in Tehran which was attended by many people and was interesting. The Working Group proposed a Seminar in Australia on "Sustainability through History", to be followed by the preparation of a special publication on 'Sustainability'. The 'History of Irrigation in Spain' will be published electronically. The Pakistan National Committee will also prepare a History report. In respect of WG-TRUE, the Working Group recommended further continuance for another year to develop a mandate, membership and work program for a new Working Group that would extend ICID's program of research and development. The Chair PCTA asked if this recommendation by PCTA also to be approved by Council.

**President Madramootoo** informed the Council that there was a recommendation that the WG-TRUE to be continued for one more year to develop its mandate and asked for a mover for the proposal.

*(The proposal was moved by US and seconded by Australia, Japan, China, France, Germany, Bangladesh, Egypt, Iran, Iraq, Italy, Thailand, Ukraine, and the Council approved the motion.)*

**VPH Felix Reinders** thanked and continued to report on Strategy Theme 'Systems' with different working groups and task forces. Modernization of Irrigation Services (WG-MIS) -- based on the Working Group recommendation, PCTA recommended that the Working Group should be continued and a new Mandate is prepared. Water Saving for Agriculture (WG-WATS)- the WG proposes to change the word "innovation" to "achievement" , only in respect of the 'Farmers' Award and requested PH Lee to apprise the Council. There was a little bit of confusion in terms of the word 'innovation', and the question was as to how the farmers can innovate? And it was decided to change that word to 'achievement', in terms of water saving at farmer level.

**VPH Reinders** said that three WatSave 2011 awards will be presented during the Tehran IEC Meeting. Unfortunately, no nomination was received this year for the award for 'Young Professionals'. National Committees are urged to send nominations in that category when the requests for nominations are sent out for the next year Awards. The 2012 WatSave Awards will be sponsored by South Africa or Australia; and the two National Committees will discuss and decide on that. Further on, the Working Group will organize an internal workshop on 'Water Saving Achievements' during the Australia IEC Meeting. VPH Felix then indicated that Iran got the WatSave book translated into Persian; Besides, Dr. Amer will prepare an Arabic translation and Mrs. Falrienne Latapie a French translation.

WG on Drainage (WG-DRG) - the 11<sup>th</sup> International Drainage Workshop will be held in Cairo in 2012 and the 12<sup>th</sup> in 2014. The Group had expressed a concern about the difficulty to update the database on the drained area in the world either due to the 'non-response' or the difficulty for countries to actually obtain that information.

The Working Group on the Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY) is primarily involved with policy issues related to poverty alleviation and they will coordinate with the new Working Group on Millennium Development Goals. The Working Group will complete their work by 2013.

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The Task Force on Financing Water for Agriculture (TF-FIN) had a Workshop scheduled in Tehran but had to cancel it because countries could not prepare presentations. **VPH Reinders** desired to know the need for a four-hour Workshop in Australia during 2012 meeting on the subject, though it is to be approved by the Organizing Committee. The TF intends to prepare a final report on 'Water Use Charging Systems and Available Financing of Irrigation — Case-Studies and Cross-Country Comparison'. The Task Force will complete its activities by 2012 and can consider continuing their work past 2012 to prepare and finalize the report.

Then PCTA Chair **VPH Reinders** continued to report on workbodies dealt under Strategy Theme 'Basin'. Reporting on Working Group on Water Management in Water Stressed Regions (WG-DROUGHT). He said that the WG continued its work on proposed publication on 'Irrigation under conditions of drought and water scarcity' and the theme leaders for three topics reported on their topics – (i) Coping with water scarcity, (ii) Rainwater harvesting and management of sustainable agriculture, and (iii) Drought management strategies.

Reporting on the Working Group on Sustainable Development of Tidal Areas (WG-SDTA) **VPH Reinders** informed that the WG had helped to bring out a special publication on 'Toward Sustainable Development of Tidal Areas' that was released in Tehran, an extraordinary piece of work. The WG will prepare a sponsored special issue of the ICID Journal during 2012, if sponsors are confirmed. The WG held a Workshop in Tehran on 'Sustainable Water/Environmental Management in Tidal Areas'.

**VPH Reinders** continued and said that the Working Group on Environment (WG-ENV) would address the topic 'Environment and Return Flows' in a workshop and work jointly with the WG-PQW to organize a workshop during the Australia IEC Meeting. They also established a Team to address 'Life Cycle Approaches Applied to Irrigation and Drainage Systems'; presentations on this topic will be encouraged during the forthcoming IEC meetings in Australia.

In the Working Group on Comprehensive Approaches to Flood Management (WG-CAFM), decisions to revise their mandate and a request for extension until 2015 were mooted. The Working Group has evolved to consideration of 'Flood Management Strategies' and will address 'Adaptive Flood Management'. The WG proposed to hold a Seminar on 'Adaptive Flood Management' during the Australia IEC Meeting. The WG also proposed and recommended by PCTA that the topic be included in the Conference to be part of the Australia meeting. The Working Group had several presentations on Floods including floods in Iran, USA, Pakistan and Japan. An International Workshop on Floods in Pakistan during 2011 was held. In terms of WG-CAFM, the WG prepared a "Road Map" on the holistic and adaptive management of the Pakistan floods. A presentation was made on 'Value Engineering', and the WG proposes that a Task Force on Value Engineering be established. If IEC approves, an international core group may be formulated to develop a mandate and terms of reference. **VPH Reinders** asked for Council's decision in terms of forming of a new TF on Value Engineering.

**President Madramootoo** requested for motion on the proposal from PCTA to form a new TF on Value Engineering.

*(Moved by Japan and seconded by China, Mali, Malaysia, the motion was approved unanimously)*

**VPH Felix Reinders**, continuing his report, informed the Council that the Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE) had proposed to cooperate with the United Nations Water Task Force on Water and Climate Change Thematic Priority Area for which Secretary General (Designate) Tyagi is presently the Coordinator. Under Strategy Theme 'On-Farm', the Working Group on Water and Crops (WG-CROP) proposed to hold a Workshop on 'Management of Agriculture under Climate Change', in cooperation with WG-CLIMATE, either during the Australia IEC Meeting or the following year in Turkey. This will be liaised with the different working groups.

Moving on to the Working Group on Use of Poor Quality Water for Irrigation (WG-PQW), he reported that new presentations will be offered by them during the Australia IEC Meeting. The Working Group will cooperate in future with the WG-Drought and WG-Environment and a model 'SALTMED' as developed and will be made available on the ICID website. On the Working Group on On-Farm Irrigation Systems (WG-ON-FARM), he reported the WG continued its preparation of two documents – 'Improvement of the On-Farm Irrigation Systems using Simple Water Control and Measuring and Application Devices' and 'Micro Irrigation for Smallholders and Greenhouses'. A datasheet on 'Sprinkler and Micro Irrigated Areas in ICID Network Countries' were updated during the past year. Working Group members were asked to review and provide updates to the datasheet as well as member countries to actively participate and supply data. The data is also posted on the ICID website which is accessed by many people. The Working Group participated in the 8<sup>th</sup> International Micro Irrigation Congress in Tehran, and

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**VPH Reinders** himself was the Chairman and also the General Reporter. With this, he concluded the WGs' and Chairs' reports and suggested that a resolution may be passed for adoption of these reports.

**President Madramootoo** asked for a motion to approve the adoption of reports presented by PCTA Chair.

**VP Vlotman** raised a point of order saying that report should be put in for discussion before it is moved. **President Madramootoo** replied that normally the report was to be put on the floor first and then opened up for discussion and would do so accordingly.

**VPH Amer** proposed some corrections in the report in terms of WG on WatSave. He said that South Africa had proposed to sponsor the WatSave Awards for the year 2012, but he did not have any information from the Australian National Committee. The other one was concerning the translation of the WatSave Book, which had already been translated into Arabic. He informed the House that the CDs were available and the hard copy would be made available in the next meeting.

**VPH Felix Reinders** informed the Chair that the proposal was from South Africa to sponsor the WatSave Awards next year and the Australian representative was not present at the meeting. However, it was minuted in the WG that either South Africa or Australia will sponsor it and asked for discussion on this point. **President Madramootoo** ruled that since this had not been discussed yet, the matter should be left as is. A decision can only be made if both NCs have had a chance to discuss this as it involves financial implications.

**VPH Felix** clarified that he had reported what had happened at the meeting. The representative from South Africa might have offered to sponsor it next year. But there was some uncertainty and hence this needed to be discussed between the two National Committees.

**President Madramootoo** left this matter to be decided amongst Australia and South Africa regarding the sponsorship of next year's WatSave Awards.

**President Madramootoo** commented on the proposal of replacing the word 'Innovation' by 'Achievement' in case of Farmer category. In his view, Farmers do innovative things and at least in respect of some farmers, maybe it is preferable to leave the word as such unless one feels strongly about removing the word.

**VPH Felix** looked for comments from PH Lee, who had certain ideas while suggesting the substitution of the term innovative as achievements.

**PH Lee** clarified that in respect of this year's in respect of Farmer's Category, the judges felt that most of the case presented were not innovative but only they used technology which appeared to be something new, though even it may be used in other parts of the world commonly. In other words, it might be new in local sense, but not necessarily new in a global sense. PH Lee then indicated that in order to arrive at a sensible recommendation his panel of judges agreed to drop the requirement of innovation and opted to go for outstanding achievement using even available innovations. He therefore suggested to the WG-WATS for Farmer's Category that being a localized activity, it could be achievement as farmers in a few cases may not be well connected to the world or the papers in ICID reflecting what is going on. They may well be doing outstanding things by what he would call it just swiping off, bringing in ideas of some other places, with such refinement which fits in their environment, in a superb manner.

**President Madramootoo** suggested that rather than removing the word 'innovative', one can keep it. He did appreciate the suggestions but if one removes the word 'encouraging of innovation' may not take place. It is for us to give flexibility when we look at the work that comes up for the Award and consider it even when it is not an exact fit of high innovation. Discussions on the topic concluded taking note of the various suggestions.

**VP Ragab** then intervened to indicate that his committee had suggested a workshop in Australia on 'Poor Quality Water'.

**VP Dr. Samia El-Guindy** referred that the workshop suggested by Dr. Ragab be organized in cooperation with WG-ENV and keeping this in view no separate proposal was made by WG-ENV.

**President Madramootoo** indicated that it would be a joint effort of the two WGs.

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**VP Vlotman** wondered whether proposals such as the one indicated – Seminar or Workshop need approval of PCTA. He indicated that WG-HIST had proposed a Seminar in Australia. There is a doubt about their holding the workshop. He felt that workshops or seminars are items that should be finalized in consultation with the Organizing Committee.

**President Madramootoo** clarified that this could be a two stage process. First of all, the workbodies come up with the proposals and then either through CO or with CO, National Committees hosting the conference to accommodate it in the overall programme.

**Australia** rose to point out that there were some discussions around on workshops and seminars with WGs to be held in Adelaide and based on the suggestions that these will be every short and held in the context of the WG, the Organizing Committee was trying to see how to push papers into the Conference proper. He pointed out that the great concern that they have about multiple and concurrent sessions. PCTA did go through this.

President Madramootoo felt that the logistic point of holding a Conference need not form part of the debate and felt that the concept needs more discussions. The workbodies' recommendations could be accepted since ICID would like to encourage their workbodies to be active and participate in the meetings.

**SG Gopalakrishnan** indicated that many times suggestions emerged from WGs concerned to have an internal workshop. They have an agenda to bring out a publication and the few presentations made year after year together equips the WG with the material and discussion points in bringing out a publication. Such workshops of the WGs are virtually internal back-to-back proceedings and in many cases, they are held within the time frame of the workbody meetings. In a few cases, when a full day slot is asked these get accommodated by liaising with host National Committee's organizers. SG indicated that these workshops are distinctly different from the type of seminars which are of higher level. Those have to be considered in a different way altogether. He pointed out example cases like Drainage Workshops or Micro Irrigation Congresses, which assume a higher pedestal in the event's ladder compared to internal workshop held alongside the workbody meeting to discuss country presentations etc. of particular relevance to the workbody's agenda or terms of reference. The workbodies of course can liaise with the host National Committee to elicit and if it is of great interest to the host because of country-wise or regional priority, it could perhaps be part of the main Conference theme organized alongside the Council meetings annually.

**Mr. Ian Atkinson (Australia)** suggested to the President that we encourage the above stand.

**President Madramootoo** then invited VPH Felix to proceed further.

**VPH Felix**, continuing to present the report, indicated that PCTA considered the Australian National Committee's proposal to establish an ICID Working Group on Millennium Development Goals (MDGs) to deal with the "Role of impact evaluation in maintaining momentum towards the MDGs through investments in irrigated agriculture sector" and after discussions, recommended that it be approved.

**President Madramootoo** felt that the establishment of the new WG needs to be approved after eliciting Council's opinion. He viewed in the presentation that the proposal is to form a TF on "Role of impact evaluation in maintaining momentum towards the MDGs through investments in irrigated agriculture sector." He then invited discussions and gave the floor to PH Bart Schultz.

**PH Bart Schultz** said that while he completely agreed with the proposal, in principle, would also like to point out that the irrigated agriculture deals with only two or three of the MDGs. One should keep this aspect in view when we intend to link it with MDGs.

**VP Vlotman** clarified that the document indicated Millennium Development Goal No.1 only and not all of the MDGs. Further discussions and comments led to focusing on improved management as it could take on contribution of drainage in respect of rainfed areas and both irrigated agriculture and drained rainfed areas with improved water management hold the key for MDG1.

**President Madramootoo** then invited **VPH Prof. Dukhovny** to speak.

**VPH Dukhovny** also had the same kind of views like **PH Bart Schultz** and said that doubling the food production vis-à-vis strategic quality should be taken into account while achieving the Millennium Development Goals.

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To a query of President as to whether PCSO has any similar undertaking at the moment **SG Gopalakrishnan** clarified that through the regional approach some contributions can emerge, as was ASRWG's effort to assemble to collect and collate Climate Change adaptation practices in different countries. SG supplemented that the UN-Water itself is reviewing this MDG, particularly with regard to the set timeframe. There is recognition that it is not going to be achieved by 2015. As to how one proceeds about these set goals may be still a guess – it could either shift the year or look for some other percentage and then getting to MDG1. He endorsed whatever PH Bart felt but the contribution is important. While we do have the thematic group, task force or working group to be constituted at one end, at the other side is the regional WGs as it is more relevant to some regional working group exercises. **Vice President Hon. Ota** is trying to lead this in respect of the Asian Regional Working Group. In consultation with the National Committees the workbody is trying to capture the progress made particularly with regard to Climate Change. A similar exercise is done in UN Water systems and their regional groups. In fact, they had held a meeting in Indonesia in recent years; every participant country provided a presentation with regard to their own action plans. If there is a way to amalgamate all of them through our National Committee inputs or directly access them by the concerned regional working groups we would be in a position to get something we intend to accomplish.

**President Madramootoo** proposed to the Council that in the absence of any further comments one could accept this proposal. He then invited PH Lee to speak.

**PH Lee** highlighted that the Working Group on Poverty Alleviation did discuss the interface with the new Working Group and felt that this is a complimentary activity rather overlapping activity with the WG on Poverty Alleviation. Based on the understanding that this would focus more on the MDG1 it might look fine. However, if one look at the document actually it also touches upon gender issues, health issues etc., implicit in the work of the new workbody. He suggested that there can be focus on MDG1.

**President Madramootoo** looked for consent of the House to proceed on this issue based on the caveat that they intertwine with other activities.

*(Moved by Australia and seconded by Japan, Indonesia, India, Mali, China, Germany, Estonia, the motion was accepted unanimously by the House.)*

**VPH Felix** then proceeded to report on ICID Task Forces – first of all the TF to Guide ICID Inputs to WWF6. PH Bart Schultz has reported on this TF activities and ICID's active role in developing and preparing contributions. It was also suggested to involve the new ICID President in WWF-6. In the WWF5, ICID President's involvement had been intensive and that brought ICID firmly in the eyes of the water world. The next one is Task Force on Water for Bio-Energy and Food (TF-BIO-ENERGY) – the Terms of Reference will be finalized for consideration during the Australian IEC Meeting. The Task Force on Sedimentation of Reservoirs (TF-SEDIMENTATION) – unfortunately, there was no one present at that meeting and Secretary General (Designate) Tyagi suggested that the TF should coordinate with sedimentation activities now being undertaken by other international organizations. PCTA hence recommends that the Task Force may consider if there truly is a role for an ICID workbody to address sedimentation issues related to irrigation and drainage. Then he asked whether that required a resolution to be passed by the Council since it looked to be either lack of interest or the TF just could not get going.

**President Madramootoo** said that what he preferred was that PCTA should come with a recommendation to close it. Then the House could consider it for approval. Unless no motion was brought on the floor to expand the work, Council may not take any decision.

**SG Gopalakrishnan** suggested that one could get back to its terms of reference as proposed when it stood created and assess the situation leading to the recommendations. **President Madramootoo** felt that there was no need to go back and asked what the actual recommendations as of now.

**VPH Felix** opined that a recommendation would be possible to be put forward next year at IEC in Australia as the members of the TF were not present in Tehran and so a final decision or preference of the Workbody itself could not be known. **President Madramootoo** ruled that it was a better idea. President said that due to time constraint he felt that there was no need to go through the other items since they were just for information, and there will be no need to take a vote on them.

**VPH Felix** informed that the rest of the information was about the ICID events like Congresses and IECs. He remarked that all were already experiencing the hospitality and the excellent organization of the Congress and Council meeting that was currently going on. He thanked IRNCID. About Seoul Congress in Korea, VPH Felix added that the theme and questions have been finalized through the actions from different members of the WG.

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This had culminated to a very good package for the next Congress. PCTA is satisfied and recommended that Korea can go ahead with the final planning, advertising and invitation to different countries.

**PH Bart Schultz** intervened and said that there was some request to make changes in sub- topic 59.2, 'Irrigation water productivity' instead of 'Irrigation water use efficiency'. **President Madramootoo** thanked PH Schultz and said that he did not see any problem with the suggested modification to keep a consistent terminology.

**VPH Felix** concluded his report, saying that the rest was just for information of the Council.

**President Madramootoo** thanked VPH Felix and appreciated his report.

*Applause ....*

**President Madramootoo** then took up agenda Item 12 "Report of the Permanent Finance Committee (PFC) and asked VPH Nairizi to present his report.

### **Item 12 : Report of the Permanent Finance Committee (PFC)**

**President Madramootoo** in the absence of any comments on what was reported, requested VPH Nairizi to move on to present the discussions on the budget.

**VPH Nairizi** then took up the audited accounts for the year 2010-2011. The audited account showed a final picture for the financial year (1 April 2010 to 31 March 2011) as a receipt of Rs. 24.17 million and payments of 24.82 million and the marginal deficit was Rs.0.646 million. Overall, PFC noted an efficient budget management and recommends the same for approval. VPH Nairizi then moved on to the forecast for the current financial year 2011-12. The PFC held detailed discussions and found the same to be in order. INACID's contribution based on the annual event held in Yogyakarta in 2010 was discussed in detail as it showed a lesser receipt compared to the forecast, and affected the anticipated revenues. Based on the explanations provided in the agenda which was amplified by SG Gopalakrishnan, PFC allowed a '*one time concession*' to the Indonesian National Committee (INACID) for lesser remittance of a sum than originally projected, accepting the reasons explained. In essence, it meant that the local participants could not be included. SG explained about Management Board discussions on the receipt of royalty at only 10% instead of 12% of receipts from M/s Wiley & Blackwell. The committee appreciated the excellent control of expenses, particularly the Central Office '*Salaries and Benefits*'. The final picture, as explained with the power point presentation indicated that receipts shall be in the order of Rs. 32.96 million, payments about Rs. 31.21 million. There is a small surplus of Rs. 1.75 million after meeting with Rs. 6 million towards taxes payable to L&DO for the renting of first floor where one notices an accumulation of dues. Dr. Nairizi pointed out that the Committee noticed considerable financial control and that the reduction in payments side is discernible. The Committee recommends for Council approval the forecast budget for 2011-12.

**Chair PFC** asked **Secretary General Gopalakrishnan** to supplement details on the taxes due to L&DO, a Government agency for more clarity. He explained that the dues as of then were around Rs. 8.8 million and if Central Office receives the notice even before 31 March 2012 we can pay as much as we could and hence the provision of Rs. 6 million has been made. This would ensure that we not to enhance this type of dues to other agencies unduly, because it gives us a false feeling of comfort in budgetary management. The forecast for paying Rs. 6 million is since Rs. 10 million or so is likely receipts from Tehran Congress. ICID can immediately try to honour and pay the L&DO with a better financial in house situation. That is one of the reasons for Central Office to pursue them to provide the demand notice and hopefully if this is done before March the forecast budget can enable payment of the dues. Otherwise the arrears would accumulate but ICID's onus to clear large dues would remain. SG amplified that he was also considering the dues clearance in installments during the year. Since it could be difficult to pay all that rent receipts of the past since letting in 2004

To a query from **Vice President Hon. Nairizi** as to whether in that case ICID can expect less payment, **Secretary General Gopalakrishnan** confirmed but also indicated that there could be better ways of utilizing that money we can even make it but it is hoping that they would be in a position to agree to our request to pay it in installments. **Vice President Hon. Nairizi** taking note of the above indicated to the Council that even if ICID pays all the debt, , since receipts during the year would be more than the payment, there is Rs. 1.7 million is surplus in the next year (2011-12). Chairman PFC then asked for council approval for the revised forecast for 2011-12 as recommended.

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**President Madramootoo** observed that for the year 2011-12 receipts are Rs.33 million, payments Rs. 31.2 million and hence finally a surplus of 1.75 million rupees. The reserves of Rs. 35.16 million is the projections for March 2012. He then placed the proposal to house for approval. He asked if there are any requests for discussion. There was none. He asked to move the motion.

*(The motion was seconded by United States, Egypt, China, Korea, South Africa, France, Germany, India, Tanzania, Turkey, Thailand, Ukraine, Iran, Iraq, Italy and unanimously endorsed.)*

*Applause .....*

**Vice President Hon. Nairizi** moved to the subsequent year budget i.e., budget 2012-13. The anticipated receipts would be Rs. 27 million and payments, Rs. 27.7 million. There is a likely deficit for that year, but just about a million. He then proposed and recommended IEC approval for the budget 2012-13. **Vice President Bajaj** felt that this being only tentative figure it may not require approval. **Secretary General Gopalakrishnan** however intervened to explain that these figures are required to be approved, though tentatively, to operate the finances after 1 April 2012. So that Secretary General would use it till the Council meeting, which normally takes place much later than 1 April in any year. In the current case, SG would get back to the Council in June next year in Adelaide with an updated forecast, and at the end of the year, a subsequent IEC would see the audited account so approval is a requirement.

**President Chandra Madramootoo** observed that because of the fact that the calendar year and financial year are not the same and one has to implement the budget from the 1<sup>st</sup> of April next year, as Secretary General had informed, one has to proceed. He added that usually the Secretary General brings updated forecast report at next IEC. **Vice President Bajaj** then asked as to why US\$ is being projected as Rs.44 and is now at Rs. 49. **Secretary General Gopalakrishnan** responded that would come definitely in the updating. The figures at the time of formulation are based on past trends and not the future. The US \$ to Rupee ratio started with 45 during the year. There are currency fluctuations; and in one earlier scenario, the projected budget had to suffer badly. SG Gopalakrishnan amplified that when he took over SG position in 2003 the US \$ equaled Rs. 49; however, it went to a pathetic low of Rs. 39 per US\$ in his mid-term and today it shows a springing up. His experience between 2004 to 2011 indicate US \$ hovering around Rs.45 throughout. In fact, SG amplified that he had the same receipt in US \$ from subscriptions which on conversion yielded sometimes as less as 25% He therefore advised to retain the figures as projected and not speculate into the future.

**President Madramootoo** sought if there is any discussion; in absence, he informed the Council that we have a proposal from PFC for approval of the budget 2012-13.

*(The motion was seconded by Japan, South Korea, Germany, France, China, Spain, Indonesia, Australia, Iran, Iraq, Turkey, Mali, Estonia, Finland and others and was adopted unanimously).*

**Vice President Hon. Nairizi** then took up budget projections in 3 years succeeding 2012-13. He pointed out that as was the case in the year 2012-13 and 2013-14, one may expect a little deficit. This is normal in the two years before the congress. But all the deficits are the below in limit and one can anticipate a sharp rise in the income from the receipts of Korean congress in 2014 being a Congress year. **President Madramootoo** intervened to say that the Committee should not ask for approvals for this as these are long range forecasts and this is for the information of the Council only. **Vice President Hon. Nairizi** expressing his consent indicated that they are just projections. He said that in future ICID's financial status would be better. This had been in our minds when we considered to accept a lot of renovation within the Central Office; our position will determine these expenditures for the future; our assets remain as before and there is likely to be a good 'Closing Reserve factor' of 1.65. Our capacity and reserves are quite relative to our expenses and we are not in any risk at all. **Vice President Bajaj** asked as to what would be the anticipated from the Korean Congress in 2014-15. **Vice President Hon. Nairizi** in response indicated that the figures projected are based on some anticipation that it would be a well attended and a successful Congress.

**President Madramootoo** then gave the floor to President Hon. Bart Schultz. He asked for the preliminary budget 2013-14, the increase in the budget is to a significant extent caused by the service and maintenance of the Central Office building being about 7.5 million rupees. He said that this will be a major investment and as he recalled in past years an oversight committee has to be formed to examine the building investments which are being proposed in 2013. **President Madramootoo** acknowledged it as a very good point and said that when he visited Central Office a few months ago he discussed this and asked the incoming Secretary General to form the building oversight committee, not only going to the investments raised by President Hon. Schultz but also the charge with respect to the rental of the property since the existing lease is coming to an end. They are looking at total investment including the rental as well, that is the proposed oversight committee. **President Hon. Bart Schultz** thanked for the

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clarifications and then put a second question indicating that he observed an increase in the central office salaries. There of is a figure of about Rs. 4 million and hence he would like to know the reason. The Salary cost is going from 14 million Rs to 18 million Rs, so this 4 million rupees extra. **Secretary General Gopalakrishnan** said that during that year, one has to take into account the retirement benefits of Dr. Kulkarni, the gratuity is about 1 million for the retiring officer as per the present norms and also the accumulative payments that ICID would have to make as terminal payments for the officer concerned. **President Hon. Bart Schultz** thanked for the clarification and asked as to why it is in 2014-15 and is still 17.5 million.

**Secretary General Gopalakrishnan** explained that in the particular year he had foreseen as a dire necessity pending over a period and accounted for a few changes including strengthening some of the deteriorated components and other parts in the building; it is not exactly an increment on the salaries. One would notice in the split up these details. One thing is to address the building requirement and other thing is payment to retiring professional and inducting a new one and in fact accommodating the need to possibly augmenting the internal professional staff. Because when Dr. Kulkarni retires there is going to be a vacuum leaving only one professional in C.O In fact the preparatory work has to be even ahead of that year but then there is no money in the previous year. It is better if we foresee these and plan for at least a year of overlap of a new officer who runs concurrently with Dr. Kulkarni. Such things could happen again and again in long range planning whenever we have a situation of somebody quitting and somebody to be inducted. And it is all, as President was indicating long range vision. It would depend upon factors like receipt and comfort levels we have in future. SG Gopalakrishnan indicated that one has estimated a 300% hike in rent and this would depend on the negotiations. Having got the money based on such revisions, two or three things that ICID CO was unable to undertake, especially on the renovation side and refurbishing the deteriorating infrastructure can be possible. This is something that we all have to do. Also such things like the vehicles that has serviced over 10 years may need replacements. There is a law which prevents old vehicle use beyond some limits, due to carbon emission risks etc. Some of these actions by the future SG shall be feasible for him to do only when we enable him with money and permission. And if the money is not there it would stand postponed further to a subsequent occasion when things are better. In other words, SG concluded that these were best attempts to visualize the future; not to always think of tightening the belt all the years.

**Vice President Hon. Nairizi** amplified that the three points which President Hon. Schultz made were discussed during PFC meeting and PFC did make efforts to monitor these three important items. One is the renovation of the central office building, how deeply we are going to renovate it and the level of renovation would be monitored. The second is rate of letting out the new premises to a new tenant that is also very important because it is big portion of our income. The third is the salary increase and other benefits, within the three years forecast. These three points are going to be monitored and worked through with the new SG and the MB. He informed that as was seen in the graphical presentations, we have a good balance between our payment and receipts. In 2014-15 we should have a good surplus, hopefully. The graphs also show the variation as well. VPH Nairizi then concluded his presentation on budget.

Applause.....

**President Madramootoo** thanked Vice President Hon. Nairizi, for a well made presentation, efforts of PFC to contain costs, and make future projections realistic in terms of revenues. He acknowledged the comments from President Hon. Bart Schultz and added that some of the proposed expenditures are necessary and they are of one time only, e.g. payments to retiring staff. Other expenditures will have to wait if the revenues are not coming as predicted. He thanked PFC Chair and moved on the next item.

Applause.....

## **Presentations**

### **Item 13 : Presentation of Awards / Plaques**

**President Madramootoo** took up item 13 as item 14 on "N.D. Gulhati Memorial International Lecture" would not require much to be said since the lecture had already taken place during Congress inaugural, earlier during the week. He said that the plaques for retiring Office Bearers and Chairs would be presented on the next day during Closing Ceremony for want of time. However, to accommodate those who leave for their home from Tehran, the following plaques were distributed to retiring Vice Presidents, Chairmen of the work bodies after paying tributes for their hard work.

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- (i) Prof. Hector M. Malano, Vice President Hon., (Australia) Chairman, PCTA (2005-10)
- (ii) Dr. Hussein El-Atfy, Vice President Hon., (Egypt) (Chairman, WG-WATS) (2000-10)
- (iii) Dr. (Mrs.) Samia El-Guindy (Egypt), Vice President (2008-11)
- (iv) Dr. Shinsuke Ota (Japan), Vice President (2008-11)
- (v) Prof. Lucio Ubertini (Italy), Vice President (2008-11)

*(President Madramootoo then declared that the House was being adjourned for a 15 minutes health break indicating that the rest of the items will be subsequently taken up after the break.)*

*(The Council took up the remaining items of the Agenda after reconvening the meeting after tea break and took up the agenda items, remaining to be discussed.)*

### **Item 13.1 : WatSave Awards**

**President Chandra Madramootoo** invited PH Peter Lee to present the report of Panel of Judges as its convener.

**PH Peter S. Lee (UK)** thanked President and presented his report. He thanked Panel of Judges - Prof. Saturnino from Brazil, Vice President Samia El-Guindy from Egypt and Vice President Hon. Dr. Ortiz from Spain, Vice President Engr. Husnain Ahmad from Pakistan and himself as Convener from UK. He acknowledged the sponsorship of WatSave Awards from the Islamic Public of Iran. This year, the submissions were from China, India, Mexico, South Africa and USA. He said that the vision of WatSave had been changing year after year. They were now looking much more in the real world of agricultural water management by involving farmers, The suggestions for the new Farmer's award that was introduced last year is an example. They had two nominations for Farmer's award and the evaluation results were very close. PH Lee then announced that this year's Farmer Award was bagged by USA for the "The Willow Creek Piping Project" and the Nominee was Mr. Jerry Erstrom. He said Mr. Jerry Erstrom is a farmer and Chairman of a local Watershed Council and his technology was an example outstanding achievements saving water projected to reach 15 million cubic meters just on 5,000 hectares.

*Applause....*

**PH Peter S. Lee** then moved to Technology Award and announced that the Award went to South Africa for SAPWAT 3: Irrigation Water Planning Tool and the nominees were Messrs Pieter S van Heerden and Charles T. Crosby. SAPWAT 3 is a very important software tool used for several purposes in several countries. For example, it used for not only filling soil profile to make better use of rainfall.

*Applause....*

The Chair, Panel of Judges, PH Lee, informed with regrets that there was no nomination for Young Professional Award this year. He asked National Committees to nominate Young professionals for this Award. As regards Innovative Water Management Award, he said there were three nominations and again the results of the Panel evaluation were very close and the award was bagged by India.. This award is for "Participatory Rainwater Conservation of Rainfed Agriculture in the Vidarbha Region of Maharashtra, India" and the nominee is Prof. Dr. Subhash Madhawrao Taley (India) from the Punjabrao Deshmukh Agricultural University, Akola.

*Applause....*

**PH Peter Lee** concluded his report saying that this award celebrates ICID's broad interest in Agricultural Water Management. He added that in many countries only a small number of farmers have access to either canal or groundwater irrigation. In increasing world food production their role is vital and in the process, the award has to take on board a range of measures like steps to enhance soil moisture, capture runoff through constructing farm ponds and helping the lifesaving irrigation to crops in dry spell.

**PH Lee** thanked President and again reminded National Committees to submit more nominations next year for WatSave Awards.

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**President Chandra Madramootoo** thanked PH Peter Lee and the Committee for the work and congratulated all Award winners.

*Applause....*

#### **Item 13.4 : Award for the Best Paper in the ICID Journal “Irrigation & Drainage”**

**President Chandra Madramootoo** then moved to item of 13.4 ‘Award for the Best Paper in the ICID Journal’ and invited PH Bart Schultz to present his report.

**PH Bart Schultz (The Netherlands)** informed that the best paper had been selected by the Jury, consisting of the Chairman of the Editorial Board, the Joint Editors and the Associate Editors. Out of the 50 papers a pre-selection was made of one paper of each issue. Among these 5 papers the judgements of the referees showed this year relatively minor differences. However, one paper was ranked significantly higher than the other. The paper that has been selected as the best IRD paper of 2010 states that traditional field survey methods for detection of water leaks in irrigation canal systems are costly and time consuming. In the study on which the paper is based, a rapid, cost-effective method was developed for identifying irrigation canal locations likely to have leaks and/or seepage. The method involves the use of a multispectral imager equipped with red, near infra-red, and thermal sensors which are mounted on an aircraft and flown at low altitude to collect the images. A three-step process, image acquisition, image processing, and field reconnaissance was developed for processing the imagery and identification of locations likely to have leaks. The method was evaluated in the Lower Rio Grande Valley of Texas, USA. Images were collected of 24 selected canal segments within 11 irrigation districts in this region. Evaluation of the imagery indicated that 140 sites had possible canal leakage problems (point leak and/or seepage). A field site evaluation form was developed and used to document the type and severity of the leaks at 28 of the sites. Twenty-six sites were confirmed to have leaks, representing a success rate of 93%. It is recommended that the methods used in this study will have widespread application for detecting leaks and seepage in irrigation canals. The Jury likes to make the following remarks - (i) the paper is innovative and scientifically sound; (ii) the developed technology and evaluation method results in a high success rate in the identification of leaks and in significant cost saving in maintenance of irrigation canals; (iii) it may be expected that the method will get a wide application; (iv) the paper is clearly written; (v) the Jury considers it of importance that by the nature of the paper significant cost savings can be achieved in the operation and maintenance phase where often financial constraints are being encountered; (vi) the Jury wishes the authors a lot of success with the further implementation of their method in practice.

Therefore, the winning paper of the Wiley-Blackwell Award 2011 is “*Airborne Remote Sensing for Detection of Irrigation Canal Leakage*” by Yanbo Huang, Guy Fipps, Stephan J. Maas and Reginald S. Fletcher.

*Applause....*

**President Chandra Madramootoo** thanked President Hon. Bart Schultz for his very hard work and took up item 13.5 ‘Best Performing Workbody Award’ and asked the Secretary General to introduce about the items 13.5 and 13.6.

#### **Item 13.5 : Best Performing Workbody Award (BPWA)**

**Secretary General Gopalakrishnan** said that a Special Committee under the chairmanship of VPH Prof. Hector Malano with the membership of VPH Felix B. Reinders, VPH Dr. Hafied A. Gany and himself evaluated the candidate workbody for the 3<sup>rd</sup> Best Performing Workbody Award based on the agreed criteria. The Committee came up with its recommendation in favour of ‘Working Group on Sustainable Development of Tidal Areas’. He congratulated the Chair and Members of the WG for this Award.

*Applause....*

#### **Item 13.6 : Best Performing National Committee Award (BPNCA)**

**Secretary General** then informed that a Committee set up with PH Aly Shady as Chair, VPH Prof. Victor Dukhovny, VP Prof. Lucio Ubertini, VP Dr. Samia El-Guindy and President & Secretary General as Resource

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Persons had selected South African National Committee for this Award, after due deliberations. He invited Chair, SANCID to receive the Award.

*Applause....*

*(The plaque for President Madramootoo was given during the closing ceremony on the subsequent day by PH Bart Schultz who spoke highly of the excellent contributions of President during his tenure. Plaque for SG Gopalakrishnan was given with words of praise by President Madramootoo highlighting his dedicated services for over 8 years.)*

*SG Gopalakrishnan on behalf of ICID fraternity recorded the significant achievements of President Madramootoo during his tenure and his singular dedication to lift high ICID values and organization's self confidence to face greater future challenges.)*

#### **Item 14 : N.D. Gulhati Memorial Lecture**

*(Since the event was held earlier at the Congress inaugural function, this item was skipped in the Council, giving more time for other transactions).*

#### **Item 15 : Election of President and Three Vice Presidents**

##### **(a) Election of President**

##### **(b) Election of Vice Presidents**

**President Chandra Madramootoo** informed that Dr. (Mrs.) Samia El-Guindy (Egypt), Dr. Ota (Japan), and Prof. Ubertini (Italy) were the retiring three Vice Presidents at the end of this meeting. He said there were five candidates who are eligible for election for the position of Vice Presidents. However, only three positions that were vacant and among the five nominees, two – Dr. James Ayars and Mr. Laurie Tollefson were not present. He then invited respective NC representatives to present their candidates as listed in the Agenda. First USA presented their candidate followed by Mali, Korea, South Africa, and Canada.

While the ballot was in Progress, he invited Dr. Irene Bondarik (Russia) to come forward with His Excellency Minister from Russia to facilitate English translation and the distinguished Minister to say a few words. Following this, President invited Vice Minister of Water Resources of Republic of Uzbekistan to say a few words which were translated by VPH Victor Dukhovny. President thanked both Vice Minister and Dr. Dukhovny for their presentation.

With the results available, President announced that the three newly elected Vice Presidents of ICID are, in that order, – (i) Dr. Kim Tai Cheol of Korea, (ii) Dr. Adama Sangare of Mali, and Dr. Gerhard Backeberg of South Africa. He congratulated all three successful candidates and wished them much success as incoming Vice Presidents of ICID.

*Applause ....*

President then took up the last agenda item 'Election of President'. He informed that there were three candidates– Dr. Saeed Nairizi of Iran, Dr. Gao Zhanyi of China, and Dr. Hussein El-Atfy of Egypt. He made the Council aware about the rules for declaring the successful candidate amongst the contestants. He then asked the representatives of three National Committees to present their candidates in the order listed on page 13 of the agenda. The Iranian NC introduced their candidate, followed by Chinese and Egyptian National Committees introducing their respective candidates.

While the ballot was in progress, His Excellency Deputy Minister of United Republic of Tanzania, Minister of Agriculture, Food Security and Cooperatives said few words about the work of his government in the area of water, agriculture and food security especially in view of Tanzania's admission to ICID family, on the invitation from President.

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With the availability of the results by the conclusion of the speech of Tanzanian Minister, **President Chandra Madramootoo** announced the moment that all had been awaiting, and the person elected to be the next President of the International Commission on Irrigation and Drainage is Dr. Gao Zhanyi from China.

*Applause ....*

**President Chandra Madramootoo** then introduced the newly elected President Dr. Gao Zhanyi to the house and invited him to say a few words.

*Applause ....*

**Dr. Gao Zhanyi (China)** thanked President Chandra Madramootoo and said that it was his honour to serve ICID as President, with enormous responsibility. The responsibility to make ICID family stronger to solve food security problem and water shortage problem by promoting development of irrigation and drainage and also by increasing productivity of land and water. He looked forward to face the challenge and go forward. He expressed his thanks to all and said all of us work together for a better future for ICID family. Finally, he took the opportunity to thank outgoing President Chandra Madramootoo for his great contributions as President during the last three years, and also for his broader thinking for the future of ICID in this morning's opening speech.

**President Madramootoo** thanked Dr. Gao and said that he would now step down and leave the new President to take over and run the organization so that he can receive his own prominence and take the organization to where he wants. He said he enjoyed his three years of service in ICID and Dr. Gao could always call on him if he required his services in future.

*Applause ....*

**President Chandra Madramootoo**, before adjourning the House, asked for motion to destroy the ballots. This was moved by PH Bart Schultz and PH Peter Lee. He then asked for a motion to adjourn the 62<sup>nd</sup> IEC meeting. This was moved by Malaysia and unanimously seconded by everybody.

President thanked all and declared that the House is adjourned till its next meeting in Adelaide.

*Applause ....*

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**Text of PowerPoint Presentation by  
Vice President Hon. Felix Reinders**

**BROAD-BASING OF ICID MEMBERSHIP**

It is proposed to have a new member category, Direct ICID Member (DIM), for individuals, public and private organizations in case that it is not possible for them to join ICID through the standard National Committee structure. This can be the case when:

1. the country is not an active member of ICID;
2. the NC does not provide for individuals and public or private organizations to join the NC.
3. The Direct ICID Member (DIM) shall have no voting rights, nor can they or their staff be elected to be Office Bearers.
4. In case 1 the direct ICID membership is an option
5. In case 2 the NC will be encouraged to adjust their structure and/or constitution so that broad basing of their member becomes possible. Until such time the categories of member not available through the NC can be accommodated through Direct ICID Member (DIM) with the same restriction that the entity that becomes a direct ICID member will have no voting rights nor can they be Office Bearers.

**Advantages of Direct ICID Member**

- Direct communication with more than 100 countries that are affiliated with ICID by means of the organization's Website, journal and newsletter with cheaper advertising rates for members.
- The opportunity of regularly introducing new products or services at country level and the internet.
- Showing ICID member on letterheads, visiting cards, brochures etc. enhances the organisation's pro-irrigation and drainage image.
- Active participation on the drafting of norms and other codes of practice.
- Active participation in workbodies as member
- Organise workshops and seminars at workbody meeting and as decided in the workbody
- Share in the promotion of co-ordinated irrigation related bargaining power.
- Contact details on the ICID web page.
- Organisation's name or individuals name appear in the *ICID listings*.
- Receive the newsletter free every month.
- Exhibiting at ICID congresses and other meetings at reduced rates
- Direct ICID members shall declare a home country. For individuals this will be their chosen country, for organisations it will be the country where they are officially registered.
- When a country is holding an official ICID meeting (i.e. a regional meeting, a congress and an IEC) then the subscription fees for that year will be shared by ICID Central office and the NC.

It is recommended to entertain only three DIM categories:

1. Individuals
2. Private companies (with different fee levels based on their declared annual turnover)
3. Organisations (with different fee levels based on their declared annual budget)
4. If the above is accepted by the IEC, that then the Central Office be tasked with further enhancing the text below with a small group of reviewers selected from current and past office bearers but also accepting volunteers to function as reviewers.

### **Who will protect irrigated farming from Hydro-egoism?**

The world more and more dives into the inability to achieve a good wish to feed all hungry population. Many slogans, many different calls to increase agricultural production, but for the last five years, the number of people suffering from malnutrition grew almost by 100 million people instead of the set target to reduce it by 150 million. Most of this people live in arid and semi-arid zones.

Irrigated agriculture produces to the global food market 35% of common stock of agrarian goods. This more productive part of the agrarian sector now is more and more impacted by different factors: climate change, lack of credit capacity as a consequence of financial crises; growth of input costs (fertilizers, machines, spare parts, diesel oil and so on); sharp disparity of prices on agricultural production. But now a new negative factor that started to become stronger appears in oppose to the interests of farmers and irrigated agriculture as a whole. The name of it is the hydropower egoism!!!

Globalization that is going hand by hand with commercialization of everything, including the nature provokes desires to get more and more benefit from water use. Hydropower production under conditions of huge jumps in energy prices has become more preferred use by water business managers. If efficiency of irrigated agriculture (ratio of net benefit to total expenses) does not exceed 8 – 12%, in hydropower production it achieves as much as 200 %!!! It is especially related to winter production of power when this indicator even jumps above 300%.

### **Central Asia gave strong warning call to the whole world - be careful!!!**

Huge reservoirs, constructed at Soviet time, served mostly for seasonal regulation: water accumulation in winter and releases in summer that increased stability of irrigated water delivery. Hydropower production timetable was developed accordingly with request of irrigation. After the collapse of the Soviet Union, the single water system of Central Asian Rivers had appeared in the hands of different economic branches of different states. The biggest water reservoirs – Toktogul in Kyrgyzstan, Nurek and Kayrakkum in Tajikistan– were transferred from SU ownership to property of Energy Private-Public bodies or Power Stock companies, which interests were concentrated on how to get as much profit as possible. Taking into account the deficit of money for buying oil and gas for thermal stations in these states and higher price of energy in winter, they changed water releases regime from winter regulation for summer to summer regulation for more power production. It leads not only to creation of artificial deficit for irrigation but also for artificial flooding in winter in river delta with great damage and destructive impact.

As a pioneer in this action, Kyrgyzenergo went to oppose the two signed Agreements between states - 1992 and 1998 - and requested in 2008 – very water scarce year - for additional water flow from Tashkent and Alma-Ata to buy additional water volume through power transfer with the price 9 cent per kilowatt!!! At the same time, the market price for such water did not exceed 4.5 cent per kWh.

When the lowland states refused from such payment and went to very scarce regime, with water availability 10% less than natural flow – totally in some summer months only 55-65% - they began treat stability of water supply by daily changes of water delivery on Naryn River by deviation of discharge by 100 -150 m<sup>3</sup>/sec from evening to morning. This destroyed the whole system of water allocation because transformed stable regimes in each canal in the Ferghana Valley on an area of 800 thousands ha to interrupted ones on unclear order.

Tajikistan follows this line. Moreover, this small country with limited natural resources and not big population, located in mountain area, which has least national per capita income in the region, but huge hydropower potential, decided to concentrate attention on the ability to become the world's largest energy producer. The population of the country needs food and heat, same as the solution of many inert problems that threaten the country. However, the Government closed eyes on this urgent national demand and went to another way that cannot only accept the flow of big money to state, but define ambitions of leadership to significant place in the world – leader of the water world. The different initiatives jumped off the Tajik team to UN: Year of water supply, Decade of water security, Year of water for sustainable development and so one. Such line allow to him to be in light of TV, that some time appears out from his country, to sound his weak voice to surrounding him accompany persons who created his image in state. Taking into account the scope of economic problems and position of state in upper watershed of Amudarya, this team powdered brains of the population in their own country by transforming hydropower development into the principal policy of state and national slogan. The gigantic project of Rogun dam should by idea of the leader of the

country to solve not only intra-state problems, but also create ability to dictate water regime to all riparians, same as they did in Nurek reservoir that last year, in time of scarcity, accumulated – not released - 5 billion m<sup>3</sup>!!! It caused damage in agrarian sector of Turkmenistan and Uzbekistan at more than 200 million USD. According to scientific modeling forecast, if Rogun is operated in the same mode, it will cause an increase in damage to the both states in 2020 up to 900 million USD in water scarce year. Everybody understands the need of these two states in energy potential use even if they produce per capita more power than other states in region. But they have ability to develop more quickly small hydropower as Russia and Iran helped them in two Sanghutda HPS that haven't any negative consequences to downstream riparians.

Transformation of old soviet project into a national dream accompanied by search of "image of enemy" and such neighbor was found – Uzbekistan. Former brothers introduced as main reason of failure this "idea-fix" for keeping out own citizens from real reasons of it – absence of well-designed socio-economic framework. The long-term construction (20 -25 years) in present conditions in combination with the need for billions of investments that can be expected only from strong donors beside low degree of efficiency will put all state in unprecedented dependence from foreign global forces. What Tajikistan got now? Confrontation with much stronger neighbor and huge economic losses. What Tajikistan will get in the future? Debt on the shoulders of tax payers, weak economy and destroying collaboration with potential conflict inside and outside the country.

The report of Columbia at the OECD meeting in Paris on 26<sup>th</sup> of October discovered the same situation in this state. Hydropower producers who are owners of HPS with reservoirs of big volume managed water regime of rivers without any account of the needs and demand of downstream users and even information them about changes of flow regime. The example was on the case of the Dam Coimba. Artificial flood provoked by HPS caused damage to 4000 ha of fertile agrarian lands.

The world has many similar wrong situations in many points (we should collect and analyze them), but at the same time good examples are demonstrated by China, USA, and Canada, where the first priority is put to communal water, water for food, for nature and only after this – to hydropower!!! Even if ownership of big reservoirs in these states belongs to power producers, they are working according to agreed schedule. The excellent approach to hydropower production is demonstrated by Sweden experience. Before 1987, the consequences of cheap hydropower production were discovered by reduction of biodiversity loss, degradation of partly fish productivity. The protection of rivers started by institutionalization with law that halt in new HP development, review of Environment Code and definition of new order of presentation and revising concessions to HP productions if municipalities, county administrative boards or environment organizations state about water users or nature damage. 5 Environment regional Courts in Sweden have rights to hear such appeals and take decision about reassessment or even rejection of existing concession.

ICID as a representative of more sensitive part of the society – rural population in developing world - should arise common voice and disseminate around the world strong message in protection of rights on stable water delivery for food.

We need to promote strengthening of international water law that many states until now are treating as "mother in law" – you can listen to her, but do what you want.

We should request from financial institutes, such as the World Bank, ADB, national and overseas donors' agencies to follow strictly the requirement to strong expertise of proposed construction of such huge structures, especially on transboundary rivers.

We should rehabilitate by the system of education that human ethic in relation to water that we can find in the Sharia, in many suras of the Koran , articles of the Bible and the Vedas.

Let's together protect our rights to food security, farmers' rights to their well being and save the nature from hydropower egoism!!!

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**Charter of Global Water Security**

1. Water is a common social and natural resource, which first must be used for meeting drinking and household needs, nutrition and food production (irrigation agriculture) needs, for ensuring health, diet, minimal livelihoods and well-being of population, especially of vulnerable people, for meeting environmental demand, and conserving and developing flora and fauna.
  2. Water should serve the purpose of cooperation and by no means should become a cause of conflict. Any meeting of interest related to quantity and quality of water between interested sides should be decided on the base of mutual respect.
  3. Water is the nature's gift, without which no life is possible on the Earth. Everyone has the right to life and, hence, to natural water. Therefore, in no circumstance, water in the open natural water bodies (oceans, seas, lakes, and rivers) can be considered as a commodity.
  4. Equitable and reasonable access to water for each is an ethic, moral, and legal right guaranteed by the State in quantity, which meets the physical standards and the most advanced technologies.
  5. Each user must practice water saving by avoiding its wastage, protecting quality of water in the sources from pollution and deterioration, timely covering costs related to water production and conveyance in the pipeline network.
  6. The right of nature to water should be protected in both humid and dry conditions, avoiding disappearance or catastrophic reduction of natural water areas.
  7. Nobody may cancel the right to transboundary waters and equal access to equitable use (rational use according to the actual needs and existing potential) them by all countries located along their historical courses. If overall demand grows or resource depletes, it is essential to transfer to up-to-date water supply and water use technologies by consent and upon agreement with neighboring countries.
  8. Nobody has a right to modify flow regime in rivers in such a way that causes artificial droughts or floods.
  9. Any action on transboundary waters, including construction of large hydraulic structures, may be undertaken only provided that the findings of independent international expertise are positive and with consent of all states-users and must not do harm or cause damage to downstream states. In this regard, downstream states are informed about any planned activity, which may have possible adverse effects, and where appropriate riparian states cooperate, and upon consent take the needed expertise for design criteria, assessment of impacts and mitigation measures.
  10. The system of national water governance should be built in form of sustainable body of legal and social rules and norms that cover all water hierarchical levels and all aspects of social life, including economy. Consequently, this will ensure the guarantee of water for the nature and human.
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ICID • CIID



**Memorandum of Understanding for collaboration between**

*International Commission on Irrigation and Drainage (ICID)  
and  
International Geosynthetics Society (IGS)*

**Whereas**

the International Commission on Irrigation and Drainage (ICID), with its Secretariat in New Delhi, India, established in 1950 as a non-governmental international organization composed of National Committees in 60 participating countries with a network of 110 countries has its objectives as

*"to stimulate and promote the development and application of the arts, sciences and techniques of engineering, agriculture, economics, ecology and social science in managing water and land resources for irrigation, drainage, flood control and river training".*

**Whereas**

the International Geosynthetics Society (IGS) founded in 1983, by a group of geotechnical engineers and textile specialists as a learned society dedicated to the scientific and engineering development of geotextiles, geomembranes, related products and associated technologies, with its objectives as to

*"collect and disseminate knowledge on all matters relevant to geotextiles, geomembranes and related products, e.g. by promoting seminars, conferences, etc.; to promote advancement of the state of the art of geotextiles, geomembranes and related products and of their applications, e.g. by encouraging, through its members, the harmonization of test methods, equipment and criteria; to improve communication and understanding regarding such products, e.g. between designers, manufacturers and users and especially between the textile and civil engineering communities".*

And, whereas an abiding common interest in improving the art and practice of irrigation management exist between ICID and IGS, it is hereby envisaged and agreed upon to develop a close cooperative relationship on the following lines:

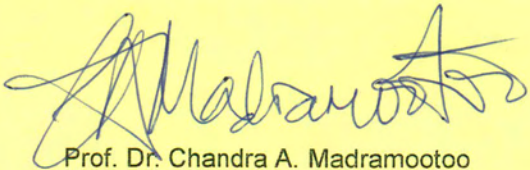
1. ICID and IGS will cooperate fully with each other in all the activities for improvements in the art and techniques of irrigation / drainage management / Geosynthetics. Periodically, they will also review their activities in the subject of irrigation / drainage management / Geosynthetics, jointly to evolve progressive strategies.
2. ICID and IGS through its relevant workbodies / Committees and National Committees / Chapters will participate in the international programmes initiated or sponsored by either of them at various levels depending upon the nature of activities (eg. In planning and implementation of national / international meetings, conferences, workshops and collaborative research, exchange of short course or lectures, etc.).
3. ICID / IGS will invite the President and / or the Secretary General in each other meeting as Observers on a mutual basis, yearly or from time to time as found necessary. In addition, ICID / IGS will also invite representatives to represent in the field of interest of their respective workbodies.

4. In the work of the workbodies set up by ICID, wherein IGS has interest, IGS's representatives will be granted the status of Permanent Observers. This will be reciprocated.

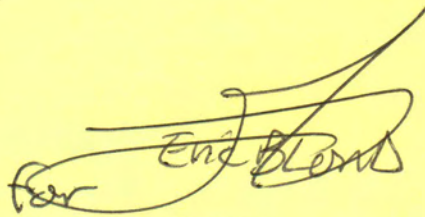
5. ICID and IGS also agree to contribute in so far as they can to the appropriate forms of publicity to each other's activities. Towards that end, they will make available to one another information about their meetings, publications, and the like for possible inclusion in organizational newsletters.

6. Any other specific collaborative arrangements and activities that may be required from time to time may be exercised by drawing up separate letters of agreement signed by both ICID and IGS.

7. ICID and IGS both have a web site which is used as a resource by their respective membership and provide valuable information in their respective field of interest to their visitors. Both organizations agree to identify the other one as a partner, create a link to his web page and to briefly describe his mission and key activities.



Prof. Dr. Chandra A. Madramootoo  
President  
International Commission on Irrigation and Drainage (ICID)  
22 October 2011



Dr. Jorge G. Zornberg  
President  
International Geosynthetics Society (IGS)  
22 October 2011

**REPORT ON THE  
41ST MEETING OF THE MANAGEMENT BOARD (MB)  
Tehran, Iran to the 62nd IEC  
by Chairman PCSO**

**Transitions**

1. MB took note of the transitions in the offing in respect of the Secretary General. President explained the action following Council's decision in Yogyakarta and highlighted:
  - a. the formulation of a 'Search Committee', which was led by PH Keizrul bin Abdullah, shortlisting of 5 candidates out of ten (reported in Yogyakarta) and the completion of its task by the end of January 2011,
  - b. Presidential acceptance of the Committee's recommendation in March '11, based on a virtual interview with the nominee Mr. Avinash C Tyagi, presently working with WMO. His nomination by the Search Committee was unanimous
  - c. the subsequent correspondence and communication with the nominee to firm up the terms of appointment, his acceptance of the offer as '*Secretary General Designate*' in June 2011
  - d. the request of Mr. A.C. Tyagi to permit his taking over of the assignment as SG ICID, after the Council's vote and confirmation, and
  - e. the invitation to Mr. Tyagi, asking him to join us during the Pre-Council Meetings and
  - f. his presence during the IEC session for being introduced to Council .

Mr. A.C Tyagi has joined us in Tehran and is participating in many proceedings of the Congress. He was allowed by the Chair to join the 'Proceedings of SC, MT (JOUR) and MB as an observer in his '*SG Designate*' status.

2. MB noted Mr. A.C. Tyagi's desire to give formal notice to WMO where he presently serves as Director (Hydrology) only after the final confirmation of his ICID appointment in IEC indicating a possible relinquishment of his present office in WMO by mid December; he indicated his requirement of time till end of December for shifting his family. His actual take over by January 1, 2012 is likely. Mr. Tyagi is in constant touch with SG and Central Office ever since the formal announcement of his selection to him by President in April. There will be no overlaps of the SG and SG Designate), when he takes over on 1<sup>st</sup> January 2012. SG Gopalakrishnan shall be retiring from his full time official duties on that date but assured his continued support to ICID as SG (Hon.) as and when required and asked for. MB thanked SG Gopalakrishnan for all his support, agreed that his extended term shall conclude on 31<sup>st</sup> December 2011. The handing over of his office and take over by the successor will be effected on 1.1.2012.
3. MB proposes to IEC the confirmation of the PCTA Chair VPH Felix Reinders following the retirement of erstwhile Chair VPH Hector Malano after Yogyakarta IEC. His 1<sup>st</sup> year as PCTA Chair will commence from 2011.
4. On completion of his membership in PCSO on the completion of IEC meetings in Yogyakarta, VPH Hafied Gany shall be handing over to his successor, nominated by President in terms of the available provisions in the Constitution. VP Ragab Ragab has given his consent to President acceding to his nomination by the President. The Council may kindly approve the nomination.

**Issues relating to ICID Journal by the Management Team (JOUR)**

5. Chairman MT (JOUR) PH Bart Schultz, and VPH Larry D Stephens Chair PR &P joined MB, on invitation to brief them on administrative and financial aspects. The contents of discussions included alternate pathways like 'Free Access Journal as an option when the present term of contract is over, ICID Journal uptake, the yield during 2011 and future possibilities of a 'break-even' , the number of copies paid by ICID and sold otherwise,

free exchange of Journal copies on reciprocal basis by Central Office etc. The Report of the Chairman, PCTA shall provide more details.

#### **Issues relating to the Staff Committee**

6. MB took note of the key issues emerging from SC meetings. These include the curtailment of the number of professionals and supporting staff engaged in the Central Office to 2 professionals, one middle level, and 11/3 in the supporting / service levels. All vacant posts including that of the Secretary, is abolished. The incoming SG has a mandate to review the staffing of the Central Office and make any adjustments in order to accomplish the work of CO. However, the staff complement is now fixed at 17 persons. As directed by the Management through SC, SG had implemented all the recommendations of a Committee chaired by VP Bajaj, which was constituted to look into the recommendations of the Government of India's Pay revisions. SC asked SG to restrict the scales for ICID staff, in tune with ICID's ability to meet with the extra requirements, restricting the overall strength. The compliance was total.
7. MB took note that the long drawn case of Mr. Saksena vs ICID was decided in favour of ICID after a 10 year long proceedings. However, another retired ICID employee at senior level (K.N. Sharma, Ex Secretary) has taken ICID to the High Court in Delhi seeking higher compensation at the rates that were allowed earlier on grounds that the past decisions were irreversible. SG has been asked to defend ICID position and the authority to retain managerial decisions as situation warrants, engaging an advocate and approved the SG's proposal in this regard.

#### **New and Invigorated approach to Technology Research in Irrigation and Drainage- Initiatives**

8. MB took note of the progress that has been made in the form of formally starting of two of the centers one in China and another in Iran as new invigorated approach to Technology Research in Irrigation and Drainage Initiatives. IRNCID efforts to work with the Government of Iran were appreciated. Taking note of the suggested Rules and procedures for the Tehran Regional Node as proposed by host country, Iran, MB endorsed the nomination of Dr. Mohammed Javed Monem as the Programme Manager. The Centre will develop the capabilities of the countries in the region enhancing research in irrigation and drainage science, technology and management aspects in the region. MB recommends an *'in principle'* approval to the rules and regulations and proposals for cooperation as envisaged by IRNCID. The Government of Iran through the Ministry of Energy and Ministry of Jihad e Agriculture besides IRNCID will bear all associated costs of the Nodal Centre that will get the guidance of ICID/IEC and relevant ICID workbodies.

#### **ICID Congress: Themes – Final Review of 21<sup>st</sup> Congress and preparations for 22<sup>nd</sup> Congress in Korea**

9. For the 21<sup>st</sup> Congress in Tehran, certain changes in the names of the Panel Experts as effected were approved. For the 22<sup>nd</sup> Congress, MB took note of the Themes as evolved by the special work team constituted for the purpose. MB opined that there is still a need for revisiting the questions to more emphasis on the Irrigation and drainage aspects, which was found missing.

#### **Awards: BPWG, BPNC, Gulhati Memorial Lecture nomination, Best Paper in Journal and WatSave (Innovative, Management, Young Professionals and Farmers Categories)**

10. The Management Board also took note of the work done by the committees and panels established for the choice of the Best Performing National Committee, Working Group and WatSave awardees, besides Congress Lecture (*Gulhati Memorial Lecture*). The MB expressed its concerns at the poor response on the nominations for the Young Professionals WatSave Award and urged the NCs to more actively engage in soliciting better nominations. Best paper awardee for the I&D Journal should be encouraged to participate in the IEC to receive the award personally. Hence there is a need to announce the decisions in time.

#### **Constitution and Bylaws – Minor amendments to implement Managerial Decisions for approval by IEC**

11. The Management Board considered the amendments to the ICID Constitution and By-laws, which arose mainly from the new and reduced staffing pattern of Central Office. The main change proposed is in replacing the word "Secretary", wherever it exists by the word "professional(s)" in clause 10.4 (b) of the constitution and clauses 5.9.1 (b), 5.9.1 (e), 5.9.2 (c) and 5.9.2 (d) of the Bye-laws. MB seeks IEC's approval on these amendments being incorporated in the Constitution, By Laws and other rules and procedures. (SR&R). Annex 1 refers.

**Letting of First Floor**

12. The MB was appraised of the issues related to the leasing of the first floor of the premises in ICID Central Office and the foreseen conclusion of the present lease agreement in June 2013. The MB advised the Secretary General and the Secretary General (Designate) present as observer, to come out with a proposal for establishing an international advisory group to oversee the process of leasing of the premises with the maximum benefit for the ICID.

**Collaboration: IGS and ICID MoU**

13. The Management Board approved in principle the collaboration with the International Geosynthetic Society (IGS) and signing of a MOU to this effect.

**Theme Leaders: Choosing theme leadership on a viable basis**

14. The Management Board considered the best way of nomination of Theme Leaders for various themes in place like 'On-Farm', 'Basin', 'Systems' and 'Knowledge'. By rotation each one of the theme leaders makes a presentation in IEC. However, the process sometimes does not function properly and the efforts of the Central Office to have a Theme Presentation are not bearing fruit. Noting this situation, the MB proposes that every year, the two of the three newly elected VPs be given the responsibility to jointly lead a particular theme and continue doing so, during their tenure. During the subsequent year, each one of the themes will thus have its 'joint' leaders. The theme leaders for the next Theme will be nominated from the three new VPs during the next year. By adopting this approach, MB felt that the newly elected VPs will also be able to play an active role in the work of various themes besides ensuring continuity in the theme leadership. The proposal is placed for consideration and approval by the IEC.
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**Amendments required in ICID By-laws**

<b>As present</b>	<b>To be modified</b>
<p>5.9.1 <b>For a Congress, Symposium, Special Session, Seminar, etc.:</b></p> <p>(b) A host National Committee shall provide and pay for local secretariat assistance required by the President, the Secretary-General and the <b>Secretary</b> of ICID during and immediately before and after the Congress and meetings of the Council and work bodies The local secretariat shall include (1) services of stenographers and typists and/or word processor; (2) copying and distribution of documents; (3) simultaneous interpretation in French and English during the sessions of the Congress, Special Session, Symposium, Seminar and International Executive Council meeting; (4) provision of French and English interpreters during the whole period of the Congress, the Council and other meetings as well as the study tours; (5) expenditure on the purchase of magnetic tapes, on interpretation and translation. The host National Committee shall also bear the expense of the use by it of any other language other than English and French.</p>	<p>5.9.1 <b>For a Congress, Symposium, Special Session, Seminar, etc.:</b></p> <p>(b) A host National Committee shall provide and pay for local secretariat assistance required by the President, the Secretary-General and the <b>professional(s)</b> of ICID during and immediately before and after the Congress and meetings of the Council and work bodies The local secretariat shall include (1) services of stenographers and typists and/or word processor; (2) copying and distribution of documents; (3) simultaneous interpretation in French and English during the sessions of the Congress, Special Session, Symposium, Seminar and International Executive Council meeting; (4) provision of French and English interpreters during the whole period of the Congress, the Council and other meetings as well as the study tours; (5) expenditure on the purchase of magnetic tapes, on interpretation and translation. The host National Committee shall also bear the expense of the use by it of any other language other than English and French.</p>
<p>(e) The President, the Secretary-General and the <b>Secretary</b> of the Commission (but not the members of their families accompanying them) shall be exempted from paying the registration fee.</p>	<p>(e) The President, the Secretary-General and the <b>professional(s)</b> of the Commission (but not the members of their families accompanying them) shall be exempted from paying the registration fee.</p>
<p>5.9.2 <b>For a Council Meeting:</b></p> <p>(c) A host National Committee shall provide and pay for local secretariat assistance required by the President, the Secretary-General and the <b>Secretary</b> of ICID during and immediately before and after the meetings of the Council and work bodies.</p>	<p>5.9.2 <b>For a Council Meeting:</b></p> <p>(c) A host National Committee shall provide and pay for local secretariat assistance required by the President, the Secretary-General and the <b>professional(s)</b> of ICID during and immediately before and after the meetings of the Council and work bodies.</p>
<p>(d) The President, the Secretary-General and the <b>Secretary</b> of ICID (but not the members of their families accompanying them) shall be exempted from paying the registration fee.</p>	<p>(d) The President, the Secretary-General and the <b>professional(s)</b> of ICID (but not the members of their families accompanying them) shall be exempted from paying the registration fee.</p>

**Amendments required in ICID Constitution**

<b>As present</b>	<b>To be modified</b>
<p><b>ICID is Not-for-Profit</b></p> <p>10.4 ICID is not a profit-sharing or profit-seeking body nor a commercial organization. The income and property of ICID shall be applied solely to the promotion of the non-profit objects of ICID as set forth above and no portion thereof shall be paid or transferred directly or indirectly by way of dividend, bonus or otherwise however, by way of profit to members of the Council or any of them provided that nothing shall prevent or preclude:</p> <ul style="list-style-type: none"> <li>(a) payment of compensation to the full time Secretary-General as may be determined by the President, acting as Chairperson of the Management Board.</li> <li>(b) payment of remuneration to the <b>Secretary</b> and staff of ICID for services rendered;</li> <li>(c) reimbursement of actual expenses incurred by any Office-Bearer at the specific request, or under a standing approval, of the Management Board;</li> <li>(d) reimbursement of expenditure incurred by any individual or organization on a specific request made by ICID relating to activities, and/or for furthering the causes of the Commission; and</li> <li>(e) payment of honorarium to any individual(s) for duly authorized services rendered to the Commission relating to the activities, and/or furthering the cause, of the Commission.</li> </ul>	<p><b>ICID is Not-for-Profit</b></p> <p>10.4 ICID is not a profit-sharing or profit-seeking body nor a commercial organization. The income and property of ICID shall be applied solely to the promotion of the non-profit objects of ICID as set forth above and no portion thereof shall be paid or transferred directly or indirectly by way of dividend, bonus or otherwise however, by way of profit to members of the Council or any of them provided that nothing shall prevent or preclude:</p> <ul style="list-style-type: none"> <li>(a) payment of compensation to the full time Secretary-General as may be determined by the President, acting as Chairperson of the Management Board.</li> <li>(b) payment of remuneration to the <b>Professional(s)</b> and staff of ICID for services rendered;</li> <li>(c) reimbursement of actual expenses incurred by any Office-Bearer at the specific request, or under a standing approval, of the Management Board;</li> <li>(d) reimbursement of expenditure incurred by any individual or organization on a specific request made by ICID relating to activities, and/or for furthering the causes of the Commission; and</li> <li>(e) payment of honorarium to any individual(s) for duly authorized services rendered to the Commission relating to the activities, and/or furthering the cause, of the Commission.</li> </ul>

It is for consideration if the above modifications can be presented to IEC while reading out MB's report to get the approval or alternately, as a special item as "Amendment to the Constitution / By law", with a recommendation for the constitution of a Committee to consider them and come up with appropriate recommendations during next IEC.

Minutes of the Twenty-Second Meeting of the  
**PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**  
 Tehran, Iran  
 18 October 2011 : 09.00-12.30 hours (Session – I)  
 18 October 2011 : 13.30-17.00 hours (Session – II)

**Members Present:** (1) Vice President Hon. Dr. A. Hafied A. Gany, Chairman (Indonesia, 2007); (2) Vice President Mr. Shinsuke Ota, Vice Chairman (Japan, 2008); (3) Vice President Prof. Lucio Ubertini (Italy, 2008); (4) Vice President Dr. Willem F. Vlotman (Australia, 2009); (5) Vice President Dr. László G. Hayde (Hungary, 2009); (6) Vice President Engr. Husnain Ahmad (Pakistan, 2010); (7) Vice President Mr. Chaiwat Prechawit (Thailand, 2010); (8) Vice President Hon. Prof. Peter Kovalenko (Ukraine, 2007).

**Ex-Officio Members Present:** (1) VPH Dr. Karim Shiati, Chair, ASRWG; (2) Dr. Adama Sangare, Chair, AFRWG, (3) VP Dr. László G. Hayde, Chair, ERWG, (4) Chair, AMRWG, (5) VPH Prof. Peter Kovalenko, Chair, WG-IDSST, (6) Mr. M.K. Siahi, Chair, C-CONGR represented by VP Dr. Willem Vlotman, and (7) Mr. Fabian Priandani, Vice Chair, WG-YPF representing Mr. Yaser Barghi, Interim Chair, WG-YPF.

**Observers Present:** (1) Prof. dr. Bart Schultz (The Netherlands); (2) Prof. Tai Cheol Kim (Korea), (3) Mr. Ezzatollah Farhadi (Iran), (4) Mr. Jin Hoon Jo (Korea), (5) Mr. Shahram Khorasani Zade (Iran), and (6) Dr. S. Hoda Rahmati (Iran) acted as Secretary of the meeting.

**Item 1 : Confirmation of minutes of the 21<sup>st</sup> meeting of PCSO held at Yogyakarta, Indonesia, 13 October 2010**

There were no comments from members on the minutes of the 21<sup>st</sup> meeting of PCSO held at Yogyakarta, Indonesia, on 13 October 2010. The minutes therefore were confirmed.

**A. CONTINUING ITEMS**

**Item 2 : Membership of PCSO and Workbodies**

- 2.1 In terms of By-law 3.2.2(e), Vice Presidents Hon. Dr. Hafied A. Gany (Indonesia), Prof. Peter Kovalenko (Ukraine) and Dr. Illahi B. Shaikh (Pakistan) retired from the membership of the Committee at the conclusion of the Tehran events owing to completion of their tenure as Vice President.
- 2.2 As stipulated in By-law 3.2.2(e): 'The Chairperson of the Committee is nominated by the President, in consultation with the Secretary General from amongst the incumbent Vice Presidents. The Chairperson shall serve the Committee during the tenure of his/her membership of this Committee'. Accordingly, Vice President Dr. Ragab Ragab has been nominated as the new Chairman of PCSO and he will serve as the Chair, PCSO until 2014.
- 2.3 The following memberships of workbodies were accepted.

**African Regional Working Group (AFRWG)**

- Engr Aliou Bamba (Mali)
- Engr Raphael L. Daluti (Tanzania)

The Group selected Dr Andrew Sanewe (South Africa) as the Chairman of AFRWG to replace Mr. Adama Sangare (Mali). Engr. Raphael L. Daluti was selected as the new Secretary of the AFRWG.

**Asian Regional Working Group (ASRWG)**

- Dr. Mohammad Amin in place of Mr. Mohd. Abdul Nassir bin Bidin (Malaysia)
- Mr. Uttam Raj Timilsina in place of Mr. Khem Raj Sharma (Nepal)

### **European Regional Working Group (ERWG)**

- Ms. Sabine Walsler (Germany)
- Mr. Olli-Matti Verta (Finland)
- PH Peter S. Lee (UK)

ERWG elected Mr. Olli-Matti Verta (Finland) as new Secretary.

### **Working Group on Irrigation and Drainage in States under Social-Economic Transformation (WG-IDSST)**

- Mr. Vladimir B. Kundius (Russia)

### **Committee on Congresses/Conferences (C-CONGR)**

- Mr. Ian Atkinson (Australia) in place of Dr. Chris Bennett
- Dr. Sami Bouarfa (France)
- Mr. Syaiful Mahdi in place of VPH Dr. A. Hafied A. Gany (Indonesia)
- Dr. Jin-Hoon Jo (Korea)
- Dr. Adama Sangare (Mali)
- Mr. Bert Pijpers (The Netherlands)
- Dr. K. Yella Reddy (India)

### **Working Group on Young Irrigation Professionals Forum (WG-YPF)**

- Mr. Gao Lihui in place of Ms. Jianxin Mu (China)
- Dr. Sung Hee Lee (Korea)

### **Item 3 : New Member Countries and Membership Drive**

Noted.

### **Item 4 : Active National Committees and Reactivation of Inactive National Committees (NCs)**

VPH Dr. Karim Shiati (Iran) informed that Tanzanian National Committee has been reactivated and their delegation was present at the Tehran Congress.

VP Prof. Lucio Ubertini stated that Greek National Committee (GRCID) has become inactive due to financial crisis in the country. However, the Committee is endeavoring to generate revenue by organizing and hosting a workshop at Athens on 8<sup>th</sup> October 2012. The workshop is likely to be attended by participants from 10 countries. Vice President Vlotman added that New Zealand did not have enough finance to join ICID, and so they remained inactive/ withdrawn on their own status.

VP Dr. Hayde (Hungary) informed that Armenia was interested to join ICID and asked Russian National Committee to help them to prepare their application/ statement in Russian or French for getting its approval through their official process, and after that, they will translate it into English for submission to ICID.

VP Dr. Hayde (Hungary) also added that he had spoken with high ranking Officers of Ministry of Agriculture of Georgia and offered them to provide assistance towards application for the ICID membership.

VP Dr. Hayde (Hungary) was also endeavoring to activate Macedonia for ICID membership.

### **Item 5 : Task Forces**

#### **5.1 Task Force to Guide ICID Inputs to WWF-6 (TF-WWF-6)**

Chairman PH Bart Shultz presented an overview of the state of the preparations for WWF6, while Ms. Anna Dupont (WWC) made presentations on *Organizational aspects and set-up of sessions during the 6<sup>th</sup> World Water Forum*.

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Targets under Theme 2.2 have been finalized. From ICID, Mr. Jacques Plantey and PH Prof. Bart Schultz became the Coordinators of Target III; ICID President Chandra Madramootoo would coordinate Target V jointly with ICOLD President.

On behalf of the Arab Water Council, VPH Dr. Safwat Abdel Dayem is the Coordinator of Target VI.

On behalf of AFEID François Brelle is the Co-coordinator of Theme 2.1 “Balance Multiple Uses through Integrated Water Resources Management (IWRM)”.

Each Target Group as well as the Core Group is expected to prepare three documents, viz. 500 words summary, a Target Action Plan and a Target and Solutions Group Report. The summaries of the most of the Action Plans were available. The Targets and Solutions Group reports are expected to be ready by the end of the year.

A “Special Session on Water for Food Security” with FAO was held on the afternoon following the TF meeting in Tehran.

## **5.2 Task Force on Water for Bio-Energy and Food (TF-BIO-ENERGY)**

The progress report was not presented due to absence of the TF representative.

## **5.3 Task Force on Sedimentation of Reservoirs (TF-SEDIMENTATION)**

The progress report was not presented due to absence of the TF representative.

## **5.4 Task Force on Financing Water for Agriculture (TF-FIN)**

The progress report was not presented due to absence of the TF representative.

## **Item 6 : Strengthening and Broad-basing of National Committees, Evolving/Revising Constitution of National Committees**

No comment was added.

## **B. REVIEW OF TENURES AND ACTIVITIES OF WORKBODIES**

### **Item 7 : African Regional Working Group (AFRWG)**

There are 7 active member countries in Africa (including recently joined Tanzania).

The members of the AFRWG agreed that there is an urgent need to reactivate /revitalize the National Committees in Africa. It was reported that AgWA has planned to organize its first General Assembly at the time of the 3<sup>rd</sup> African Regional Conference to be held in Bamako in November / December 2011 at Bamako, Mali.

### **Item 8 : European Regional Working Group (ERWG)**

New nominations of Ms. Sabine Walser and Mr. Olli-Matti Verta were received from GECID, Germany and FINCID, Finland and were accepted.

Mr. Olli Verta was also accepted as Secretary of the European Regional Working Group.

Dr Irina G. Bondarik (Russia) made a presentation on the preparations for 12<sup>th</sup> IDW to be held at Saint Petersburg in June 2014 and invited all to attend the event.

It was reported that Prof. Bruce Lankford, Professor of Water & Irrigation Policy, University of East Anglia is the new Chairman of ICID.UK.

### **Item 9 : Asian Regional Working Group (ASRWG)**

The 7<sup>th</sup> Asian Regional Conference will be held in Adelaide, Australia during 63<sup>rd</sup> IEC meeting in June 2012.

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**Item 10 : American Regional Working Group (AMRWG)**

Vice President Prof. Ubertini (Italy) has shown his keen interest in the activities of the AMRWG. Prof. Ubertini (Italy) volunteered to contact the Chilean Embassy in Rome to bring back Chile in to ICID fold. VPH Dr. Ortiz (Spain) had also contacted the former Secretary General of Chilean National Committee to attempt reactivate Chilean membership. The Central Office will continue its efforts in reviving Chilean membership.

The Italian Institute of Latin America (IILA) will be organizing a meeting during 16-18 November 2011 at St. Domingo in Dominican Republic. Prof Ubertini will be attending that meeting and try to encourage the Latin American countries present in that meeting to join ICID.

PCSO thanked Prof. Ubertini for his efforts to encourage the Latin American countries to join ICID.

**Item 11 : Working Group on Irrigation and Drainage in States under Socio-Economic Transformation (WG-IDSST)**

Russian National Committee (RUCID) nominated Mr. Vladimir Kindius for the membership of WG.

The Central Office circular about the announcement of the program of Certificate of Advanced Studies (CAS) on the topic "Integrated Water Resources Management in the context of Developing and Transition countries" to all members of the WG was noted.

**Item 12 : Special Work Team on Lake Chad Basin (ST-LCB)**

The progress report was not presented due to absence of the ST representative.

**Item 13 : Committee on Congresses/Conferences (C-CONGR)**

VP Dr. Vlotman from Australia National Committee (IACID) presented a brief review of the various preparations towards hosting of the 63<sup>rd</sup> IEC meeting and 7<sup>th</sup> Asian Regional Conference in Adelaide, Australia. He highlighted the following:

- Main Theme of 7<sup>th</sup> Asian Regional Conference: "*Regional Cooperation for Water and Food Security*"
- Technical and sightseeing tours
- Key dates for submission of papers

Dr. Vlotman , Chair apprised about the reports presented by the representatives of Iran, Indonesia, Australia, Mali, Egypt and Korea about the ICID events held/ to be held in their countries. No reports were available of the events (Regional Conferences) held in France and the Netherlands in 2011 and that planned in Turkey in 2013.

It was proposed to upload all relevant information related to the above events on ICID website. All National Committees were requested to provide their announcements/ updates on their ICID events planned to be held in coming future.

**Item 14 : Working Group on Young Irrigation Professionals Forum (WG-YPF)**

Dr. Sung Hee Lee (Korea) and Mr. Gao Lihui (China) were accepted as new members of WG.

Activities of YPF-IRNCID were noted and appreciated by the WG. All other national committees were requested to encourage more young professionals to participate in ICID events.

It was proposed that YPF may establish a page on Facebook to keep in touch with each other freely. Mr. Fabian also brought to the attention that the registration fees paid by the YPF need a relook. During the meeting the progress made by the NCs in establishing Young Professionals Forum in their countries was reviewed. The main issues deliberated are recapitulated as follows:

- Lunching of a special webpage of YPF on Facebook so as to enhance connectivity; with other young professionals in the field of irrigation and drainage;
  - Waiving/ reducing the registration fee of future ICID events for YPs; and
  - Providing sponsorships and inexpensive accommodation to WG-YPF members by the host country.
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**Item 15 : New Workbodies**

Dr. Vlotman announced that the first meeting of the proposed working group on MDGs was held back to back with WG-POVERTY.

**Item 16 : Strategy for Communication and Cooperation between ICID and other Organizations**

- (i) **Lead International Organizations**
- (ii) **Farmers and other Water Users**
- (iii) **Membership of International Organizations, Private Companies and Manufacturers**

As regards the membership of international organizations, private companies and manufacturers of ICID, VP Dr Hayde said that each National Committee may prepare a sort of inventory of private organizations in their country and forward the feedback to Central Office to make appropriate decision for their membership and the fee to be charged.

Dr. Hayde suggested to form a special committee at the Central Office for making appropriate decisions for deciding the membership of the private organizations. This proposal may also be brought to the attention of the IEC.

**C. FOR INFORMATION**

**Item 17 : Best Performing Workbody Award (BPWA)**

No Comment was added to this Item.

**Item 18 : Best Performing National Committee Award (BPNCA)**

No Comment was added to this Item.

**Item 19 : N.D. Gulhati Memorial International Lecture**

No Comment was added to this Item.

**Item 20 : Any other business**

The following issues were discussed.

***Issue 1: Proposal for a Task Team on "ICID Engagement with the Rio+20 Process"***

As may be recalled, the United Nations Conference on Environment and Development in 1992 adopted 'Rio Declaration' that set the agenda for the sustainable development. Subsequently, in 2002, the World Summit on Sustainable Development adopted Agenda 21 that included Chapter 18 dealing with freshwater.

Through General Assembly resolution 64/236 dated December 2009, Member States called for a United Nations Conference on Sustainable Development to be organized "at the highest possible level" scheduled to be held in Rio de Janeiro, Brazil from 4-6 June 2012 (Rio+20), with three objectives:

- Securing renewed political commitment for sustainable development.
- Assessing the progress to date and remaining gaps in implementation of the outcomes of the major summits on sustainable development.
- Addressing new and emerging challenges.

The proposal is for making a submission to the preparatory process of the United Nations Conference on Environment and Development. The contribution has to be submitted to the Preparatory Committee established by UN General Assembly, through its Secretariat, in response to the open invitation by the Committee to all relevant stakeholders to submit their inputs by 1<sup>st</sup> November 2011 for preparing the draft outcome document for the UNCSD. It was therefore, proposed to establish a Task Team with the following terms of reference:

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1. Make a submission to the Preparatory Committee on behalf of ICID;
2. Explore the possibility of participation of ICID in the conference;
3. Appraise the National Committees of the progress from time to time;

Considering the uncertainty on the follow up of the Rio+20, suggest further engagement and follow up action to the process.

In response, the following professionals volunteered to serve on the Team.

- Dr. Willem F. Vlotman from Australian National Committee (IACID)
- Dr. Laszlo G. Hayde from Hungarian National Committee (HUCID)

***Issue 2: Financial Support to Young Professionals***

ICID should take necessary measures to enhance participation of young professionals by way of reduction in registration fee, and offering discounts on accommodation during ICID events.

***Issue 3: To make Office Bearer/Working Groups/Task Forces more active/productive***

The PCSO took note that non-availability of any financial assistance to Office Bearers, members of Working Groups/Task Forces was impeding the progress/output desired from them. It was therefore suggested that ICID should find out ways and means to extend financial support to Office Bearers and members of working groups/Task forces who are in need of such a support.

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Minutes of the Seventeenth Meeting of the  
**WORKING GROUP ON YOUNG IRRIGATION PROFESSIONALS FORUM (WG-YPF)**  
 Tehran, Iran  
 16 October 2011: 09.00-12.30 hours

**Year of Establishment: 1993**

**Mandate:**

- To provide an international platform for young irrigation and drainage professionals and to encourage and promote a high standard of professional development in the subjects of irrigation, drainage and environment.
- To facilitate the development, acquisition and wider dissemination of knowledge and information about irrigation, drainage, flood management and environment amongst the young professionals.
- To maintain and enhance links with national and international youth having interests in the related subjects or the activities relevant to ICID objectives.
- To educate young professionals about ICID's role, objectives, activities, structure, constitution and By-laws.

**Members Present:** (1) Mr. Alireza Salamat represented Mr. Yaser Barghi, Chairman (Iran, 2010); (2) Ir. Fabian Priandani, Vice Chairman (Indonesia, 2010); (3) Ms. Hayati Zainal, Secretary (Malaysia, 2010); (4) Mr. Atsushi Marui represented Dr. Katsuyuki Shimizu (Japan, 2010) (5) Mr. Ankur K.Desai represented Mr. Piyush Ranjan (India, 2009).

**Observers:** (1) Mr. Puleng Mofokeng (South Africa); (2) Mr. Dadang Ridwan (Indonesia); (3) Eunmi Hong (Korea); (4) Dr. Sung Hee Lee (Korea); (5) Mr. Dong Koun Yun (Korea); (6) Mr. Gilchoi Shin (Korea); (7) Mr. Gao Lihui (China); (8) Ms. Hsiao Wen Wang (Taiwan); (9) Mr. Jano Anter (Germany); (10) Ms. Parvaneh Kazemi (Iran); (11) Mr. Zulfan (Indonesia); (12) Mr. Sahar Malekzadeh (Iran); (13) Mr. Mohammad Salman Sabahi (Iran); (14) Mr. Ibrahim El. Bapaudy (Eqypt); (15) Mr. Magdi T. Abdelhamid (Egypt); (16) Ms. S.Hoda Rahmati (Iran); (17) Mr. Chaudhry Foad Hussain (Pakistan); (18) Dr. Vijay Labhsetwar, ICID Central Office.

**Website:** <<http://www.wg-ypf.icidonline.org>>

*In absence of Mr. Yaser Barghi, Chairman (Iran), Vice Chairman, Ir. Fabian Priandani chaired and conducted the meeting.*

**Item 1 : Confirmation of the minutes of the 16th meeting of the WG-YPF**

The minutes of the 16<sup>th</sup> meeting of the working group held in October 2010 at Yogyakarta, Indonesia were confirmed.

**Item 2 : Review of the membership of the Working Group**

**2.1 Membership of the Group**

**(a) Past nominations**

The following nominees were neither present during the Meeting at New Delhi (2009) nor at Yogyakarta (2010). They were once again not present at Tehran (2011), hence their nominations were deferred;

- Ms. Kartabayeva Irina Anatolyevna (Kazakhstan)
- Mr. Nikolay Akhmatovich (Russia)
- Engr. Muhammad Ejaz Tanveer (Pakistan)

The Central Office may request the concerned National Committee for fresh nomination.

The following nominees were nominated by the Egyptian National Committee (ENCID) but neither were present/ represented during the meeting hence their nominations were deferred till the next meeting in 2012;

- Dr. Ibrahim El-Baroudy
- Eng. Emad Mohamed Mahmoud Khalil

The Central Office may request the ENCID to nominate only one nominee as two persons from one country are not allowed as per ICID by-laws.

**(b) New nominations**

New nominations for the membership of the group:

- Dr. Sung Hee Lee (Korea): He was present and he had introduced himself and his background to the members and observers – there were no objections. Nomination was approved.
- Mr. Gao Lihui (China): He was present and he had introduced himself and his background to the members and observers – there were no objections. Nomination was approved.

Chairman then formally welcomed new members to the Working Group meeting.

**(c) Non-attendance/ contribution**

From the attendance and contribution record of Central Office, the attendance of Members in 2009 and 2010 meetings were noted. It was noted that Ms. Nepveu de Villemarceau (France) neither attended the past two meetings nor contributed to the activities of WG. The Central Office may request the French National Committee (AFEID) for fresh nomination.

**A. CONTINUING ITEMS**

**Item 3 : Review of the progress made by the National Committees in establishing Young Professionals Forum (YPF)**

During the meeting, Mr. Alireza Salamat (Iran) highlighted the previous arrangement and progress made during his tenure to attract more YPF members by the National Committees. Earlier the Pakistan National Committee had started pursuing this issue within the NC. The Chairman may follow up the latest progress with Pakistan YPF.

The Canadian and Nigerian NCs were contacted for establishing YPF but responses from these National Committees were awaited. Taiwan showed keen interest to become an active member in this working group. The Chairman may follow up with these NCs.

At Tehran meeting, representatives from South Africa also informed their activities and progress to the members present at the meeting.

The Chair encouraged the NCs to establish Young Professional Forum in their NCs.

**Item 4 : Review of the progress on preparation of a directory of Young Professionals**

The Chairman requested all NCs to develop such directories or expand and update their previously-made directories.

The Japan, South Africa and other countries which have submitted their directories need to update them more often.

The group requested all members (Iran, Indonesia, Malaysia, South Africa, India, Korea, Japan, Pakistan, Russia and China) to present their updated YPF directories in the next meeting in June 2012 at Adelaide, Australia.

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**Item 5 : Establishment of a Network of Young Professionals through development of a web-based platform**

Chairman informed that Mr. Yaser Barghi has been preparing and developing a page for YPF on 'FACEBOOK' at [www.facebook.com/igid.ypf](http://www.facebook.com/igid.ypf). Mr. Yaser has created some accounts for ICID-YPF and other social networking platforms like 'TWITTER' and 'SLIDESHARE' to facilitate networking between young professionals.

In May 2011, Mr. Yaser Barghi sent the designed webpage for YPF to Central Office for review. With his initiative, a page titled "ICID-YPF on FACEBOOK" has been created.

All members are welcomed to contribute information to this new networking platform.

At Yogyakarta meeting (2010), the Working Group requested Chairman Mr. Yaser Barghi to follow up with Dr. Maurits Ertsen for establishing a network of young professionals through development of a web-based platform. The chairman sent some emails to Dr. Ertsen but could not contact him. The Chairman may continue his efforts to strengthen the networking.

**Item 6 : "How to activate Young Professionals"**

The initiatives that were highlighted during Yogyakarta meeting (2010) to motivate young professionals in ICID activities may continue to be considered by each NC -

- Nomination of a young professional from each National Committee as an additional member in each Working Group of ICID;
- Contribution of papers by young professionals for publication in ICID Journal; and
- Participation/ Nomination of young professionals in WatSave Awards.

In order to motivate Young Professionals, it was also decided to take some concrete measures to rejuvenate this group as today's young professionals will be tomorrow's pillars in ICID. Some of other initiatives were as follows:

- Selection of one university in each country by the concerned NC to have close cooperation with Young Professionals (where appropriate).
- Permitting NCs to nominate an additional young member in each Working Group of ICID.
- NCs to ensure the participation of young professional member in their delegation to ICID events.
- Providing sponsorship and inexpensive accommodation to WG-YPF members, if feasible.
- To waive the Young Professional Registration Fee to attend the ICID Event.
- To request the host country to sponsor the attendance of the YPF in ICID Event.

During the meeting, it was decided to take up the matter with PCSO and follow up with NCs to encourage young professionals' participation in ICID events.

**Item 7 : Current activities of YPF members**

Ms. Hayati Zainal (Malaysia) provided (11 August 2011) the report of the 16th MANCID Annual Conference (MANCO) held from 26-27 February 2011 in Penang, Malaysia to the ICID Central Office. The Central Office circulated (16 August 2011) the report of the conference to all members of the WG-YPF.

Mr. Barghi informed (16 June 2011) the Central Office that YPF-IRNCID has been actively pursuing its goals and held its meetings in presence of IRNCID members. The significant outcomes are as follows:

1. Preparation and publication of seasonal newsletter of IRNCID
  2. Preparation and publication the Annual newsletter of ICID-YPF for distribution in the ICID 2010 annual meeting
  3. Preparing a DVD including an archive of all past events, publications and documents of IRNCID in the field of irrigation and drainage
  4. Collaboration with other working groups of IRNCID
  5. Collaboration with WG-YPF of ICID
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6. Preparation of publication titled "Water and Irrigation in the Contemporary era of Iran"
7. Arranging one seminar at Shahrekord University
8. Arranging scientific/technical contest for young professionals in the water sector
9. Translation and edition of a book titled "Irrigation Systems"
10. Cooperation in organizing the 21st ICID congress
11. Presentation of papers in ICID Asian regional conference, Indonesia
12. Preparing three papers for Tehran Congress, October 2011
13. Organizing a side event for Young Professionals during Tehran congress, October 2011
14. Cooperation with Water History Association of Germany and hosting the German delegates to visit water structures and irrigation projects in Iran
15. Translating FAO-IWMI publication (summary) on "Water for Food, Water for Life"
16. Conducting an opinion poll to find out the effectiveness of IRNCID activities
17. Updating IRNCID website
18. Preparation of the performance report of the past year and work plan for the next year

The WG members congratulated the YPF-IRNCID for taking lead in activities as above. The YPF-IRNCID may brief the WG on further achievements/initiatives taken in 2012.

Further activities and information from each NC will be discussed during the Special Side Event on 17 October 2011. (This side event has since been successfully held and discussed under Item 11)

**Item 8 : Papers for Publication in the ICID Journal and ICID News**

During the meeting, the Chair requested the members to prepare and submit their papers for publication in the ICID Journal and News.

Details for paper submission in ICID Journal can be accessed at <[http://onlinelibrary.wiley.com/journal/10.1002/\(ISSN\)1531-0361](http://onlinelibrary.wiley.com/journal/10.1002/(ISSN)1531-0361)>.

**Item 9 : YPF Newsletter**

Members were requested to prepare and submit briefs on YPF activities in their country/NC to the Chair/ Central Office so that it can be incorporated in the forthcoming issue of the YPF Newsletter.

**Item 10 : Encouraging Young Professionals for WatSave Awards**

Dr. Vijay Labhsetwar (Director, ICID) regretfully informed that no nominations were received for young professionals WatSave Awards in 2011. Chairman requested members to compete in WatSave Awards 2012 by sending their best works or performance to ICID Central Office. The application deadline has been set at 30 March 2012.

**B. NEW ITEM**

**Item 11 : Young professional's Session at Tehran Congress**

The Chairman welcomed all members to the Special Side event hosted by IRNCID on 17 October 2011 from 15:00 to 18:00 hour.

The Special Session gave a golden opportunity for young professionals to engage, network, exchange ideas and share experiences in a warm and friendly session during the magnificent ICID 2011 events.

Mr. A. Assadollahi, Secretary General, IRNCID (Iran) made opening remarks in the YPF special session which was followed by presentations as below:

- Mr. A.R Salamat – IRNCID
  - Mr. Ir. Fabian Priandani – INACID
  - Ms. Hayati Zainal – MANCID
-

- Dr. Yacob Beletse – SANCID
- Mr. Atsushi Marui – JNC-ICID
- Ms. Hsiao Wen Wang - Taiwan

The outcomes of the event were as below:

- i. All members and participants shared their experiences and problems and noted that efforts need to be made in order to support the establishment of YPF in every country.
- ii. Financial support from each National Committee is very important in order to be active and successful.
- iii. The impact of the Young Professional activities and involvement should be highlighted in order to promote and encourage more members to participate in ICID events.
- iv. Talented young people should be given an opportunity to show and develop their creativity. Aspirations for ICID's great future needs to be groomed.

Members thanked IRNCID for providing such a platform to boost their activities.

**Item 12 : Any other business**

At the end, Dr. Sung Hee Lee (Korea) disseminated the information for the 22<sup>nd</sup> International Congress and 65<sup>th</sup> IEC Meeting on Irrigation and Drainage scheduled to be held in 2014 at Seoul, Korea.

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Minutes of the Twenty-Second Meeting of the  
**COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**  
 Tehran, Iran  
 16 October 2011: 13:30-17:00 hours

**Year of Establishment: 1990**

**Mandate:** To recommend general improvement in conduct of Congresses/Conferences sessions; to recommend tasks and duties for General Reporters and Panel of Experts for Congress Questions and Special Session; to study and establish, if needed, the basic guidelines for recommending the tasks and responsibilities of National Organizing Committees; to establish appropriate procedures for selection of Congress Questions, Special Sessions and Symposia; to establish procedures for scheduling of most appropriate workshops, seminars, etc. to be held at the time of Congress; to make recommendations on the number and type of simultaneous meetings at Congresses/Conferences in order to improve effectiveness and attendance; to study and accord advice to the National Committees, for methods to adopted in each case for an effective follow-up of the Conclusions and Recommendations of Congresses/Conferences; and to make recommendations on printing the proceedings for distribution of abstracts in advance.

**Members present:** (1) Mr. Mohammad Kazem Siahi (Iran,2009), Convener; (2) Mr. Syaiful Mahdi (Indonesia); (3) Vice President Dr. Willem F. Vlotman (Australia); (4) Dr. Jin Hoon JO, Korean representative; (5) Dr. Adama Sangare (Mali); (6) Vice President Hon. Dr. M.H. Amer (Egypt) and (7) Dr. Vijay K. Labhsetwar, ICID Central Office.

**Observers:** (i) Mr. A.R. Salamat (Iran); (ii) Mr. Sh. Khorasanizadeh (Iran); (iii) Mr. Mousa Amadou (Niger); (iv) Dr. Suhas P. Wani (India); and (v) Mr. Hun Sun Lee (Korea).

**Website:** <<http://www.c-congr.icidonline.org>>

**Item 1 : Confirmation of minutes of the 21st meeting of the C-CONGR**

The minutes of the 21st meeting of the C-CONGR held in Yogyakarta, 2010 were approved by the members.

**Item 2 : Review the membership of the Committee**

The membership was reviewed as follows:

- AFEID's (France), NETHCID's (The Netherlands) and INCID's (India) representatives were not present in the meeting.
- Other nominees present were : Australian, Indonesian, Korean and Mali National Committees.

**Item 3 : 'Yogyakarta' Events - 2010**

**3.1 Feedback by INACID from 61st IEC Meetings and 6th Asian Regional Conference during 11-15 October 2010 at Yogyakarta, Indonesia**

Mr. Syaiful Mahdi as the Indonesian National Committee representative briefed the participants on the 61st IEC and 6th ARC held in Yogyakarta. The highlights were as follows:

- Conference theme: "Improvement of Irrigation and Drainage Efficiency under Small Land Holding Conditions"
- Fund Raising: Government, Registration, and Sponsorships
- Number of participants : 513

- Number of abstracts received : 260
- Accepted papers : 84

Challenges: (1) Earthquake in 2008 and the rehabilitation required for the facilities; (2) Merapi eruption just a week after closing ceremony of the Conference.

**Item 4 : Feedback from European Regional Conferences**

**4.1 Feedback from the 24th European Regional Conference during 14-16 March 2011 at Orleans, France**

The representative from AFEID was not present. Dr Labhsetwar from the Central Office appraised the meeting by mentioning that the website of this event has been launched with fruitful information.

**4.2 Feedback from the 25th European Regional Conference during 16-20 May 2011 at Groningen, The Netherlands**

The representative from NETHCID was not present. Dr Labhsetwar from the Central Office appraised the meeting by mentioning that the website of this event has been equipped with relevant information from this event.

**Item 5 : 'Tehran' Events - 2011**

**5.1 Review and observe the preparations made by IRNCID for the 62nd IEC Meetings, 21st ICID Congress and 8th IMIC during 15-23 October, 2011 at Tehran, Iran**

Mr. A.R. Salamat as the Iranian National Committee representative briefed the participants on the actions carried out in concern with the 21st ICID Congress, 62nd IEC and 8th Micro Irrigation Congress being held in Tehran, Iran, 15-23 October 2011. The highlights were as follows:

- Conference theme: "Water Productivity Towards Food Security "
- Fund Raising: Government, Registration, and Sponsorships
- No. of Participants: 1081 including 350 foreign delegates
- No. of abstracts: 443
- No. of full Papers received: 340
- No. of papers to be presented orally: 190
- No. of posters: 90
- No. of participating countries:54
- Website: [www.icid2011.org](http://www.icid2011.org)

Challenges: Several requests for registration waiver, financial issues, irrelevant visa requests

**Item 6 : 3rd African Regional Conference - 2011**

**6.1 Review and discuss the preparations for the 3rd African Regional Conference during 29 November to 05 December 2011 at Bamako, Mali**

Dr. Adama Sangare as the Malian representative briefed the participants on the 3rd African Regional Conference planned to be held in Bamako, Nov. - Dec. 2011. The highlights were as follows:

- Conference theme: "Food Security in Africa and climate change: Improving the contribution of irrigation"
  - Expected No. of Participants: 200
  - No. of abstracts: 33
  - Problems and Solutions were mentioned
  - Website: <http://www.craf-2011.net>
-

**Item 7 : 'Adelaide' Events - 2012**

**7.1 Review and discuss the preparations for the 63rd IEC meetings and 7th Asian Regional Conference during 24-30 June 2012 at Adelaide, Australia**

Vice President Dr. W. F. Vlotman from Australian National Committee presented a brief review on the measures carried out for holding the 63rd IEC meeting and 7th Asian Regional Conference to be held during 24-30 June, 2012 at Adelaide, Australia. The important issues were as follows:

- Main theme of the Asian Regional Conference: Drought, Floods, Environment: Managing Consumptive Water Needs Sustainable
- Technical and sightseeing tours
- Key dates for submitting papers - Abstracts submissions opens in December 2011 and closes in January 2012
- Website: [www.irrigation.org.au/2012](http://www.irrigation.org.au/2012)

**Item 8 : 11th International Drainage Workshop - 2012**

**8.1 Review and discuss the preparations for the 11th International Drainage Workshop during 23-27 September 2012 at Cairo, Egypt**

Vice President Hon. Dr. M. H. Amer as the Chairman of Egyptian National Committee presented a short report on the arrangements made in concern with the 11th International Drainage Workshop planned to be held during 23-27 September 2012, Egypt. The highlights were:

- Theme: Agricultural Drainage Needs and Future priorities
- Sub-themes:
  1. Planning and Design of Drainage Systems
  2. Improvement of Drainage Technology and Techniques
  3. Drainage Management
  4. Environmental Aspects and Climatic Change
  5. Research Development and Capacity Building
- Simultaneous translation in English-French for opening and closing sessions

**Item 9 : 'Turkey' Events - 2013**

**9.1 Review and discuss the preparations for 64th IEC Meeting in Turkey**

The Turkish representative was not available.

**Item 10 : 'Seoul Congress' - 2014**

**10.1 Review and discuss the preparations for the 65th IEC meetings and 22nd ICID Congress (2014) in Seoul, South Korea**

Dr. Jin-Hoon JO as the representative of the Korean National Committee made a short PowerPoint presentation on the measures carried out so far, for hosting the 65th IEC meeting and 22nd ICID Congress in 2014. The important point were as follows:

- Theme: Security of Rural Water and Community in Relation to Climate Change
    - Question 58: Irrigation and Flood Control to Policy : Adaptation to Climate Change
    - Question 59: Security of Food and Rural Community through Irrigation and Drainage
    - Special Session: New Partnership for Rural Development
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- Symposium: Non-point Sources Pollution and Best Management Practices
- Governmental funds: 50 percent of the costs
- An exhibition at the time of the events

**Item 11 : Website of C-CONGR**

National committees were requested to upload all conference related information on C-Congress website. Alternately, ICID Central Office can assist, if it receives the same.

**Item 12 : Any other business**

The meeting closed with thanks to the Chair.

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Minutes of the Eighteenth Meeting of the  
**ASIAN REGIONAL WORKING GROUP (ASRWG)**  
 Tehran, Iran  
 16 October 2011: 13.30-17.00 hours

**Year of Establishment: 1996**

**Mandate:** To focus on common topics and issues; to enhance the transfer of appropriate technology in irrigation and drainage to and from the Asian Region; and to encourage membership and coordinate activities in the region.

**Members:** (1) VPH Dr. Karim Shiati, Chairman, 2006 (Iran, 1997); (2) Prof. Tai-Cheol Kim, Vice Chairman, 2007 (Korea, 2006); (3) Mr. Khem Raj Sharma (Nepal, 1997) represented by Mr. Uttam Raj Timilsina; (4) Dr. Siripong Hungspreug (Thailand, 1998) represented by Arthon Suttigarn; (5) Mr. Kuo, Sheng-Feng (Chinese-Taipei, 2001) represented by Ray-Shyan Wu; (6) Mr. Taner Kimence (Turkey, 2006) represented by Ahmed Seren; (7) VP Shinsuke Ota (Japan, 2006); (8) Mr. Wang Xiodong (China, 2008) represented by VPH Gao Zhanyi; (9) Mr. Mohd Abdul Nassir bin Bidin (Malaysia, 2007) represented by Mohd Amin Mohd Soom.

**Members Honoraire Present:** Mr. Chaiwat Prechawit, Vice President, ICID (Thailand); Dr. Willem Vlotman, Vice President, ICID (Australia).

**Observers:** (1) Ms. Hsiao-Wen Wang ( Taiwan); (2) Lihui Gao (China); (3) Pao-Shan Yu (Taiwan); (4) Mr. Naito Kunihiko (Japan); (5) Dong-Koun Youn (Korea); (6) Sun-Ju An (Korea); (7) Sung Hee Lee (Korea); (8) Ms. Hayati bt. Zainal ( Malaysia); (9) Kuang- Ming Chuang (Chinese Taipei); (10) Hasan B. Yuksel (Turkey); (11) Ramazan Yucel (Turkey); (12) R.C. Kao ( Taiwan); (13) Park SH (Korea); (14) Pei-Chun Ni (Taiwan); (15) Ian Atkinson (Australia); (16) S. Hosseini (Iran); (17) Suzuki Hiroyuki (Japan); (18) Ashkan Shokri (Iran); (19) Sylvain R. Perret (France); (20) Darush Bahredar (Iran); (21) Budi Wignyosukarto (Indonesia); (22) Watanabe Daisuke(Japan); (23) Joong Dae Chol (Korea); (24) Ping Chen (Taiwan); (25) Mohd Yazid Abdullah (Malaysia); (26) Gilchu-Shim (Korea); (27) Ardavan Azari (Iran); (28) Ali Binesh; (29) Moreza Yazdekhashti; (30) Abdul Ridho Mistah(Iraq); (31) Basil Irhayyim (Iraq); (32) Prof. Nobumasa Hatcho (Japan).

**Website:** <<http://www.asrwg.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 17th meeting of ASRWG**

The minutes of the 17<sup>th</sup> meeting of the Working Group held at Yogyakarta in October 2010 were confirmed.

**Item 2 : Membership of the Working Group**

**2.1 New nominations**

Following new nominations were received for the membership of the Working Group, they were present and accepted as the new members by the working group:

- Dr. Mohammad Amin in place of Mr. Mohd. Abdul Nassir bin Bidin (Malaysia)
- Mr. Uttam Raj Timilsina in place of Mr. Khem Raj Sharma (Nepal)

**2.2 Deferred nominations**

The nomination of Mr. Hanan Itzkovitch (Israel) was deferred due to his consecutive absence for past 3 years. The Central Office may invite fresh nomination from Israel.

The nomination of Dr. Tapas Kumar Biswas (Australia) and Dr. Kota Tirupataiah (India) were deferred till next meeting in Adelaide, Australia.

### **2.3 Non-attendance/contribution**

WG member from Uzbekistan had neither been present nor contributed for past 3 consecutive years. Central Office should seek fresh nomination from this National Committee.

## **A. CONTINUING ITEMS**

### **Item 3 : To discuss future Work Plan**

#### **3.1 New Country Membership in ICID**

Out of 44 countries in the region, 26 are active members of the WG's, 9 countries had been liaised to become new members, 4 country memberships had been accepted but not paid the first subscription and 5 countries need to be reactivated.

It was decided that the concerned VP may follow up the necessary actions with the help of CO to liaise with the new country members.

#### **3.2 Three-year rolling work plan**

The ASRWG concentrated so far on the Asian Regional Task Force on climate change (ARTF-CC). It was proposed that after releasing the document on the subject at WWF6 in France in March 2012, new activities may commence. In the meeting new activities were discussed and the members approved the activities suggested by Prof. Kim. WG members agreed to establish a new work team (WT) for the purpose.

Seven members of WG were willing to join the new WT on voluntary basis. They were - Dr. Amin (Malaysia), Arthon (Thailand), Hassan (Turkey), Karim Shiati (Iran), Dr. Kim (Korea) as the chair of WT, Dr Ota (Japan) and Dr. Wu (Chinese Taipei).

The new WT could be jointly established in cooperation with FAO-RAP under the concept of "Rural Development in Asia". The topic and purpose of the WT will be discussed by e-mail and a detailed time schedule will be prepared for discussion at Adelaide 2012 meeting.

### **Item 4 : Website of ASRWG**

The website of WG had been fully functional. Network linkages with the NC's of Australia, Chinese Taipei, India, Iran, Malaysia, Pakistan and Thailand had been already established. Turkish National Committee to establish linkage of its NC's with ASRWG.

### **Item 5 : Work on the Basin-sharing Model for Mekong River**

Work on the Basin-sharing model for Mekong river and other relevant documents were circulated by central office for comments/ suggestions. No suggestion or recommendation received so far.

### **Item 6 : Linkages with Regional and Transnational Organizations for Cooperation**

#### **6.1 International Water Management Institute (IWMI)**

The recent and outstanding publication of IWMI entitled "Trends and Drivers of Asian Irrigation" was circulated to NC's for their feedback. The chairman recommended the WG members to review this valuable publication through the IWMI website.

#### **6.2 Food and Agriculture Organization of the United Nations (FAO)**

FAO's regional workshop on "Analysis of Sustainable Water Resources use in the Asia-Pacific region" was held during December 2010 in Thailand. Group thanked Prof. Kim and Secretary General for their active participation in the workshop. Prof. Kim apprised the WG about main outcome of FAO workshop in Thailand.

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### 6.3 UN – WATER

ICID joined the UN-Water task force on water and climate through its working group “WG-CLIMATE” and ARTF-CC, in which they contribute their findings for possible presentation in WWF6 in France 2012. Secretary General represented ICID in UN-Water meeting in Stockholm in August 2011.

### 6.4 ICID / UNW-DPC Cooperation on Capacity Development in Agricultural Water Management

Some of the recent activities of UNW-DPC in agricultural water management included two regional workshops convened at the Three- Gorges Dam (China) and another workshop at the Roorkee (India), both in April 2011.

The most outstanding cooperation of UNW-DPC/FAO/ICID was a two days workshop on “Improving Farm Management Strategies through Aqua Crop” held in Yogyakarta in 2010.

The new crop model “Aqua Crop” is an outstanding development in irrigation sector. The crop water requirement by this model will reduce considerably in comparison with “Cropwat” model. The Chairman and WG members provided their positive response to the “Aqua Crop” model.

### 6.5 IUCN Dialogue on ‘Sustainable Management of Trans-boundary Water Regimes in South Asia’

A Dialogue on “Sustainable Management of Trans-boundary Water Regimes in South Asia” had been launched by IUCN. Secretary General joined as a member at the regional level. Advisory committee meeting took place in Dhaka and in New Delhi. Secretary General was not available to apprise the WG about further developments.

### 6.6 ADB – ICID relationship

ADB sought cooperation of ICID in its effort to promote better water management in the region and the new initiative through global water. ADB organized a conference on “India water Dialogue” in July 2010 where Secretary General attended and made contribution on water use efficiency in Agriculture.

### 6.7 GWP workshop (associating IWMI) in Colombo (February 2011) on “Water for Food Security and Climate Change Challenges”

ICID joined the joint workshop of GWP and IWMI in Colombo in February 2011 and VPH Gao and Secretary General presented “ICID response to water for food security and climate change challenges”. The sessions concluded with a message “No more business as usual”. The Chairman recommended the WG members to review the full proceedings from GWP website (<http://www.gwp.org/Global/About%20GWP/Publications/Colombo%20Synthesis%20Report%20Climate%20Change%20Food%20and%20Water%20Security%20in%20South%20Asia,%20final.pdf>).

### Item 7 : Possibilities of developing cooperative arrangements with International Society of Paddy and Water Environment Engineering (PAWEES) and International Network of Water Environment and Paddy Fields (INWEPF)

Contribution and dissemination of findings from these International Society and Network were one of the important activities in ASRWG agenda. MANCID/INWEPF symposium and 8<sup>th</sup> INWEPF steering committee will be held in early November 2011 in Penang, Malaysia to exchange knowledge and experience based on expertise among the INWEPF member Countries. Central Office circulated the final announcement of this event. The Chairman will attend this meeting and apprise the WG during next meeting.

### Item 8 : Asian Regional Task Force on Climate Change and Irrigation (ARTF-CC)

Thanks to VP Dr. Ota, Chairman of ARTF- CC, the task force members and JNC-ICID for their hard work and timely preparation of the report. Dr. Ota presented the draft final report on the subject; the final report will be submitted and presented at WWF6 in France in 2012. Four country case studies were presented: VPH Dr. Gao (China), Dr. Wu (Chinese – Taipei), Mr. Timilsina (Nepal) and Dr. Arthon (Thailand). The discussion on the report by the WG members enriched the contents of the report.

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**Item 9 : Outcome of 6th Asian Regional Conference (2010)**

Conclusions and recommendations emerged from the 6<sup>th</sup> ARC at Yogyakarta in 2010 can be accessed from the website <[http://www.icid.org/decl.html#yogya\\_out](http://www.icid.org/decl.html#yogya_out)>.

**Item 10 : The 7th Asian Regional Conference**

The 7<sup>th</sup> Asian Regional Conference under the theme of “*Regional Cooperation for water and food security*” will be held at Adelaide, Australia in June 2012. The Australian National Committee presented the new brochure of the event during the meeting.

**B. NEW ITEM**

**Item 11 : The 8th Asian Regional Conference**

The 8<sup>th</sup> Asian regional conference will be held in 2013 at Mardin in Turkey. The theme of conference will be “*Irrigation Management under Drought Conditions*”. Mr. Hassan Basri from Turkish National Committee presented a report on the preparation of the event.

**Item 12 : Any other business**

Information on (i) Asia 2012 in March 2012, Thailand; (ii) 2nd Asia-Pacific Regional Synthesis meeting, July 2011, Singapore; (iii) Japanese Water Forum Fund, 2011; (iv) Abu Dhabi Dialogue knowledge forum’s small Grant program; (v) Asia-Pacific Water Summit (2011) were noted by the members.

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Minutes of the Second Meeting of the  
**WORKING GROUP ON 'IRRIGATION AND DRAINAGE IN THE STATES UNDER  
 SOCIO-ECONOMIC TRANSFORMATION' (WG-IDSST)**  
 Tehran, Iran  
 16 October 2011: 13.30-17.00 hours

**Year of Establishment: 2009**

**Completion of the Mandate 2015**

**Mandate:**

- to develop and strengthen the network among the countries of transition;
- to organize monitoring and evaluation of common problems in the States that belong to transition economy;
- to create database and exchange of information about changing situation in Irrigation and Drainage in these States and to attract global and national attention to existing trends affecting global and national food security and wellbeing of rural population;
- to summarize the experiences in overcoming negative tendencies in organizing public-private partnerships, implementation of IWRM and broad-basing of stakeholder;
- to monitor the ecological situation in the transition states, including problems of closed basin (Aral Sea, Caspian Sea), salinization and water logging, etc.;
- development of appropriate advance irrigation and drainage technology in transition states and its dissemination through capacity building; and
- to promote farmer's training to create awareness about irrigated and drainage agriculture.

**Members:** (1) VPH Prof. Peter Kovalenko, Chairman (Ukraine, 2009); (2) VPH Dr. Victor A. Dukhovny, Deputy Chairman (Uzbekistan, 2009); (3) Prof. N. Hacho (Japan, 2009); (4) Acad. Boris Kizyaev (Russia, 2009) represented by Ms Bondarik.

**Observers:** (1) Yanko Yurii (Russia); (2) Kundius Vladimir Borisovich (Russia); (3) Kundius Valentina (Russia); (4) Mr. Aziz Ahmed (Iraq); (5) Mukhlis Zainol Abidin (Malaysia); (6) Mary Lou Smith (USA); (7) Mukhamedjanov Shukhrat; (8) Balgabaev Numlan (Kazakhstan).

**Website:** <<http://www.icwc-aral.uz>>

**Item 1 : Confirmation of the minutes of the 1st meeting of the Working Group**

The minutes of the 1st meeting of the Working Group held at Yogyakarta in October 2010 were confirmed.

**Item 2 : Review of the membership of the Working group**

**2.1 Nomination**

The National Committee of Russian Federation (RUCID) nominated Mr. Vladimir B. Kundius as a member. He introduced himself and informed about his interests and experiences in irrigation and drainage. WG accepted his nomination.

The nomination of Mr. Ernazarov Nazimjon (Uzbekistan) as an Observer was deferred at Yogyakarta (2010) meeting due to his non-attendance. The Central Office requested (4 February 2011) Uzbekistan National Committee (UzNCID) to confirm the nomination for reconsideration at Tehran meeting or send a fresh nomination. UzNCID informed that the deputy chief Department of Water Resources Mr. Ravshan Mamutov will be nominated for the membership of the WG in due course.

## 2.2 Existing membership

During the Yogyakarta (2010) meeting, Chairman VPH Prof. Kovalenko proposed to involve all members who were in ST-ARAL to participate in the new group. During Yogyakarta meeting, Chairman also suggested to request for new nominations and proposed to use the ICID events for disseminating information of the group. It was proposed that the National Committees of Ukraine and Uzbekistan would prepare the necessary short information for publishing it in the ICID News and on the website of ICID.

The Central Office requested (21 April 2011) the National Committees of Ukraine and Uzbekistan to prepare a brief note towards inviting nominations for the membership of the group and circulate it among all NCs. Prof. Kovalenko vide his letter of 8 May 2011 requested the National Committees of, Estonia, Germany, Kazakhstan, Macedonia, Romania, Slovenia, Uzbekistan, Poland, Bulgaria, Russia and Georgia inviting applications for the membership of the WG. Response was received only from Russia. Prof. Kovalenko will repeat such request again. Representative from Kazakhstan promised to discuss this issue with his colleagues after his return to Kazakhstan.

### Item 3 : Develop and strengthen the network among the countries of transition

At Yogyakarta (2010) meeting, the group discussed and proposed the following actions for the implementation of possible actions in the frame of WG-IDSST activities to develop and strengthen the network among the countries of transition:

- Forming a core executive team of the WG with its base in the Ukrainian and Uzbek National Committees of ICID. Such team had been established which included Prof. Kovalenko, Prof. Dukhovny, Ms. Katarina Shatevskaya, Ac. Kizayev and Dr. Mukhamedjanov from Uzbekistan;
- Establishing permanent communications between the Chairman, the Vice Chairman and the Secretary of the WG as well as with the most active members of the group for the strategic planning of WG activities. Such communication among Prof. Kovalenko and Dr. Mukhamedjanov together with Ac. Kizayev has resulted in preparation of a conceptual paper which had been reported to Tashkent Conference in May 2011;
- Establishing permanent communication links by email and an Internet portal between the WG members and other interested parties had been done between core group members;
- Exchanging information pertaining to the field of activities of members' organizations (viz. projects, activities, publications): EECCA INBO (Eastern European Caucus and Central Asia network INBO) has agreed to open a single webpage <http://www.eecca-water.net> for the convenience of all members The webpage had since been successfully operating and received 64 responses. The webpage had been only introduced in 2011 and the daily visitors to this webpage already exceed 100 persons per day.
- Analyzing and identification of common and specific problems in irrigation and drainage sphere by comparison of transformation processes and current situations in the countries which have already passed or still wee under the influence of social-economic transformation processes. With this goal in view, a questionnaire for monitoring and evaluation of the problems in the sphere of irrigation and drainage had been formulated (see item 4); and
- Developing a proposal for implementation of a small project with regard to the capacity building: The expected result of the project was to consolidate networking activities within the WG and drafting the proposal for a larger joint project. INBO IOW together with SIC ICWC introduced proposal for Capacity building for network members to use European Aid. After due discussion among stakeholders, the final result was expected in November 2011.

VPH Prof. Kovalenko wanted to submit a proposal to FAO titled "*To develop an integrated framework for adaptation of irrigated agriculture to the climate change and social-economical transformations in the countries under transition*". For applying to FAO division in Budapest, Prof. Kovalenko requested Dr. Ligetvari from the Hungarian National Committee for assistance. Prof. Kovalenko's preparatory work had not resulted in success, so far.

### Item 4 : Monitoring and evaluation of common problems in States with transition economy

In March 2011, the Central Office requested the Chairman to finalize the draft format so that the same can be presented and discussed at WG workshop. In response, Chairman VPH Prof. Kovalenko informed that the document was being prepared on common and specific problems and their features in the countries under socio-economic transformation and was to be presented at the workshop of WG-IDSST during 25<sup>th</sup> European Regional Conference (May 2011). This proposal was not realized since the Chairman could not participate in the conference.

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**Item 5 : Create database on Irrigation and Drainage in the countries of transition**

This database created was only for Central Asian states and particularly Caucasian. Implementation in other states will be discussed with Chairmen of other National Committees of ICID in the region.

**Item 6 : Develop public-private partnerships and implementation of IWRM**

Prof. Dukhovny introduced a presentation titled "*Implementation of IWRM in Central Asia*" where he demonstrated experiences of Kyrgyzstan, Tajikistan and Uzbekistan in creation of public participation/ involvement in operation and management of irrigated systems on an area of almost half a million hectares. Now, SIC ICWC together with IWMI and three national teams finalized a vision document for development of IWRM in three states for approval by the respective Governments.

**Item 7 : Identify and monitor problems (ecological situation) of closed basins**

During the Yogyakarta (2010) meeting, Chairman Prof. Kovalenko proposed to use the Aral basin countries' experience as background information for starting discussions on the problems in different closed basins which were the objects of national or international importance in different European and Asiatic countries. The above mentioned format of water management issues could help to identify the possible hot spots and promote the discussions on the ecological problems typical for the closed basins. Chairman proposed to use this format to start such a discussion. Later on, one could see whether we should organize a separate project for formulating policy messages on this subject or make some joint publications on this issue in frame of a separate small project. Chairman also informed that he had a great chance to cooperate with another big initiative at the European level called "Europe INBO".

**Item 8 : Development of appropriate advanced irrigation and drainage technologies**

At Yogyakarta (2010) meeting, the following strategic questions were proposed:

- innovations in water and energy saving technologies;
- integration of GIS, modeling and land survey in new type of DSS for water management in irrigation and drainage and evaluation of its efficiency;
- technologies for intensive and extensive irrigation; and
- advanced constructions, materials and technologies for irrigation.

Chairman proposed to get in contact with the other WGs of ICID to accumulate all available knowledge and experiences on development and implementation of innovations in the sphere of irrigation and drainage research and practical work. In this case, he would try to develop the matrix of innovative products that can be recommended for implementation in the countries in the course of different tasks solving. Unfortunately 14 National Committees, to whom Chairman applied, didn't respond.

**Item 9 : Create awareness about irrigated (drained) agriculture (capacity building)**

Prof. Kovalenko informed that he gathered information from Central Asia and some European states. The compilation of this information will be completed in first half of 2012.

Prof. Dukhovny in his speech underlined the importance of this work and took responsibility to contact all National Committees of ICID.

**Item 10 : Any other business**

Certificate of advance studies (CAS), 2011-2012, Switzerland.

The members noted the information.

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Minutes of the Seventeenth Meeting of the  
**EUROPEAN REGIONAL WORKING GROUP (ERWG)**  
 Tehran, Iran  
 17 October 2011: 09.00-12:30 hours

**Year of Establishment: 1995**

**Mandate:** The mission of ERWG is to promote awareness about critical ICID relevant water issues at all levels in Europe and to pay special attention to the environmentally sustainable water management in Europe.

**Members Present:** (1) Vice President Dr. Laszlo Hayde, Chairman (2010) (Hungary, 2005); (2) Vice President Hon. Prof. Dr. Peter Kovalenko, Vice-Chairman (2005) (Ukraine, 1999); (3) VPH Dr.- Ing. Eiko Lübbe (Germany, 2002) represented by Ir. Jano Anter (Germany); (4) Vice President Hon. Dr. Ricardo Segura (Spain, 1999); (5) Mr. Jaakko Sierla (Finland, 2001); (6) Mr. Mati Tonismae (Estonia, 2002); (7) Dr. Irina G. Pankova (Russia, 2007) represented by Ir. Yurii Ianko (Russia); (8) Dr. Sami Bouarfa (France 2010) represented by Ir. Bernard Vincent (France); and (9) Secretary General, ICID represented by Dr. Vijay K. Labhsetwar, Director, ICID Central Office.

**Member Honoraire:** President Honoraire Peter Lee (UK).

**Observer:** Dr. Irina Bondarik (Secretary for Russian Speaking Countries).

**Others:** (i) Prof. Klaus Röttcher (Germany), (ii) Ir. Vladimir Kundius (Russia), (iii) Ir. Valentina Kundius (Russia), (iv) Ir. Osmo Purhonen (Finland), (v) Ms. Sabine Walser (Germany), (vi) Mr. Olli-Matti Verta (Finland), (vii) Dr. Kaluvai Yella Reddy (India), (viii) Dr. Klaus-Dieter Vorlop (Germany); and (ix) Mr. Theo Augustin (Germany).

**Ex-Officio Members Present:** VPH Prof. Dr. Peter Kovalenko (Ukraine), Chairman, ERWG Work Team on Sustainable Irrigation Management.

**Website:** <<http://www.erwg.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 16<sup>th</sup> and the Interim meetings of the Working Group**

No comments had been raised and therefore the minutes of the 16<sup>th</sup> meeting of the Working Group held on 12 October 2010 at Yogyakarta (Indonesia) were confirmed.

No comments had been raised, and therefore the minutes of the Interim Meeting of the Working Group held on 17 May 2011 at Groningen (The Netherlands) were confirmed.

**Item 2 : Review of membership of the Working Group**

VPH Brane Maticic (Slovenia), Mr. Pol Hakstege (The Netherlands), Prof. Joachim Quast (Germany) and Dr. Bouarfa (France) informed by e-mails that they will not be able to attend this meeting.

The ICID Central Office requested (26 May 2011) the British National Committee of ICID (ICID.UK) to send a fresh nomination of a professional for the membership of the European Regional Working Group (ERWG) for consideration. PH Peter S. Lee informed the meeting that he had been nominated by the UK National Committee as an ordinary member of ERWG. The meeting confirmed his membership.

Ms. Sabine Walser (Germany) was nominated by the German National Committee of ICID (GECID) to be young professional member in the ERWG. Ms Walser sent her CV for discussion. Rules and regulations of ICID allow to have a second member from one country if he or in this case she is a young professional. Ms. Sabine Walser had been accepted as a member by the meeting.

The National Committees of Belgium, Bulgaria, Poland and Slovak Republic became inactive in the past. The Central Office had also invited Albania, Belarus, Bosnia & Herzegovina and Moldova, for ICID membership. VP Laszlo Hayde (Germany) was in negotiation with Bulgaria and recently contacted Macedonia for their return to ICID. The Central Office may continue its efforts in bringing these countries into ICID's fold.

## **2.1 Election of New Secretary**

Since VP Laszlo Hayde had been elected as the Chairman of the ERWG during the 16<sup>th</sup> meeting of the European Regional Working Group (ERWG) held on 12 October 2010 in Yogyakarta, Indonesia and since he was the previous Secretary of the ERWG since 2005, new Secretary had to be elected.

Dr. Irina Bondarik (Russia) had been elected also during the 16<sup>th</sup> meeting of the European Regional Working Group (ERWG) held on 12 October 2010 in Yogyakarta, Indonesia, as a second Secretary of the WG, to take care of the Russian speaking countries. Since a Working Group normally has only one Secretary, it is proposed to include Dr. Bondarik as an Observer and assist the WG with Russian speaking countries. This would also comply with 52<sup>nd</sup> IEC (2001) decision of "*not more than one membership from one country should normally be maintained*". However, the member from Russia Ms. Irina Pankova was also a young professional.

Following the discussions in Yogyakarta, Central Office invited (26 May 2011) proposals / expression of interest from the representatives of the National Committees in the European Regional Working Group. The Finnish National Committee had nominated for young professional membership and for this position Mr. Olli-Matti Verta (Finland) in their letter dated on 28 June, 2011. He had been present in the Interim Meeting where he introduced himself, however the present 17<sup>th</sup> meeting of the European Regional Working Group (ERWG) in Tehran, Iran had to officially approve his nomination. CV of Mr. Olli-Matti Verta was made available during the meeting for consideration. Mr. Olli-Matti Verta (Finland) had been accepted as a member and also Secretary of the European Regional Working Group. Further, Mr. Olli-Matti Verta being a young professional, there was no conflict with any regulations or rules.

Before the formal approval of the nomination, the Chairman informed the members on the January-February, 2011 e-mail exchange between him and the Central Office on the rules and regulations related to the two secretary positions, on the questions of electing non member for position in the WG; the rule of 'one member from one country' and the question of whether a permanent observer could be elected to position in the WG. In their reply Central Office indicated that the second person from a certain country is allowed provided that he/she is a young professional. Also stated that "...you can allow a '*Permanent Observer*' to help the working group in whatever manner considered appropriate. It can be suitably acknowledged also. Perhaps this can be done without diluting the provision of by-laws."

## **Item 3 : Links with regional and trans-national organizations for co-operation**

The Chairman apprised the members on new developments / cooperation, especially with regard to European Water Association (EWA), the International Commission for Protection of the Rivers Rhine, Danube, and Odra. The ERWG network includes 7 National Water Management Associations (**Annex 1**). The Chairman invited members to strengthen these links further.

## **Item 4 : Dialogue on Water for Food and Environment**

It was agreed that the ICID-ERWG, Central and Eastern Europe Global Water Partnership (CEE-GWP) and World Wide Fund and Nature (WWF) will continue to co-operate with each other and share invitations for conferences organized by ICID like European Regional Conferences and International Drainage Workshops.

ERWG members continued the dialogue on the topic on WFD implementation through tools of the Common Agriculture Policy in the year 2007-2013. The new Directives could be accessed at the following website: <http://ec.europa.eu/environment/water/>

The Chairman encouraged the members to actively participate in this dialogue and give feedback to Chair with copy to Central Office.

## **Item 5 : European Work Team on Water Related Risk Analysis (EWTWRA)**

The idea of merging of Drought and Flood Work Teams under the frame of Risk Management was proposed (2007) by Dr. Vermes (Hungary). After detailed discussions on the proposed aims, the WG accepted the idea of merging

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European Work Team on Drought (EWTDRO) and European Work Team on Floods (EWTFFLO) to create a new Work Team under the name Work Team on Water Related Risk Analysis (EWTWRRRA). The WG deliberated on the new mandate of the Work Team during New Delhi (2009) and Yogyakarta (2010) meetings and agreed to consider the impacts of extreme events on agricultural production at situations of water scarcity and inundation and to develop risk mitigation strategies. Agreeing to the importance of the WT, Dr. Sandor Szalai (Hungary), President of HUCID agreed kindly to provide an initial work plan which had been distributed in the Yogyakarta (2010) meeting and was attached to the Agenda.

The Finnish National Committee had prepared their comments which had been discussed and will be circulated to the members soon. Due to the moderate activity in this topic and limited capacity to be mobilised, the reconsideration of the importance of this WT had been discussed. The importance of the topic was emphasized by Estonia and Spain NCs.

Mr. Peter Lee (UK) informed the meeting about the upcoming event on Water Security and suggested to take into consideration their conclusions in making a decision on the future of this WT.

The meeting decided to discuss the topic again in Adelaide 2012 meetings after the presentation of the Finish NC on a brief inventory about the ongoing activities in this area in the EU and receiving the outcomes of the UK event on Water Security.

The Chairman reminded the members to nominate members for membership of this new Work Team.

#### **Item 6 : European Work Team on Sustainable Irrigation Management (EWTSIM)**

The German National Committee of ICID (GECID) nominated Dipl. Ing-Agr. Sabine Walser (Germany) for the membership of European Work Team on Sustainable Irrigation Management (EWTSIM). With her acceptance to ERWG as mentioned above, her membership in the WT has become possible.

The document on "*Irrigation Sector Reform in Central and Eastern European Countries*", based on the project results (Phase I), has been published (2006) and distributed as a hard copy and CD-ROM. Vice President Hon. Prof. Peter Kovalenko (Ukraine) distributed a new proposal for the Phase-II of the project "*Irrigation Sector Reform in Central and Eastern European Countries*", prepared by the Ukrainian National Committee and President Hon. Bart Schultz (The Netherlands). Due to financial constraints, this could not be taken up and has been postponed.

VPH Kovalenko has contacted GTZ to explore funding opportunities. The new report (incorporating new irrigation technologies, water saving, efficiency, etc.) may serve as a "manual" for GTZ to raise awareness.

Prof. Kovalenko apprised the members on the importance of the topic. Although the continuation was not assured, yet the meeting decided to keep this topic on the agenda of the WG for next year.

#### **Item 7 : European Work Team on Drainage (EWTDRA)**

The ICID Central Office was in contact (26 May 2011) with Vice President Hon. Dr. Georgi Georgievich Gulyuk (Russia), WT Chairman for the full list of other activities of the WT for consideration during the Tehran (2011) meeting. Response had not been received due to ongoing changes in the Russian NC. Ms. Irina Bondarik informed the meeting that she will send the feedback to Chair after discussing the matter within RuCID.

Due to the importance of drainage in Europe, the French and UK representatives felt that new and refreshing ideas towards a policy needed to be brought to fore.

The reformulation of this WT will be discussed in the Adelaide 2012 meeting.

#### **Item 8 : Conferences supported by ERWG**

- **Feedback from the 24<sup>th</sup> European Regional Conferences (ERC), Orléans, France**

Mr. Bernard Vincent (France) provided more details about the outcomes and informed that the proceedings and the presentations of the conference were available on the Conference website: <[http://www.groundwater-2011.net/program\\_and\\_proceedings](http://www.groundwater-2011.net/program_and_proceedings)>.

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- **Feedback from the 25<sup>th</sup> European Regional Conference of ICID, 2011, The Netherlands**

Ir. Bert Toussaint (The Netherlands) had circulated the outcomes of the conference to the members by e-mail. The papers and keynote presentations were available on the conference website: <http://www.icid2011.nl/>

- **11<sup>th</sup> International Drainage Workshop (IDW)**

The ICID's 11<sup>th</sup> International Drainage Workshop (IDW) will be hosted by the Egyptian National Committee of ICID (ENCID) during 23-27 September 2012 at Cairo, Egypt, with the support of the ICID Working Group on Drainage (WG-DRG). The main theme of the workshop is '*Agricultural Drainage Needs and Future Priorities*' under which six topics and 27 subtopics will be addressed. The first announcement and call for papers of the 11<sup>th</sup> IDW has been issued and widely circulated amongst ICID National Committees and International Organizations for dissemination amongst potential participants.

The 11<sup>th</sup> IDW will be organized under the guidance of VPH Prof. Dr. M.H. Amer, Chairman of ENCID (Email: [encid@link.com.eg](mailto:encid@link.com.eg)). Please access announcement of 11<sup>th</sup> IDW at <http://www.encid.org.eg/idw11> for more information.

- **12<sup>th</sup> International Drainage Workshop**

Dr. Irina G. Bondarik (Russia) made an inviting presentation on the preparations for the 12<sup>th</sup> International Drainage Workshop (IDW) to be held in June 2014 at St. Petersburg, Russia.

- **6th World Water Forum**

The 6th World Water Forum will be hosted by Europe and will take place in Marseille, from 12 to 17 March 2012. The Chairman apprised the members on the past related events and on the preparations.

Information about the Greater Europe Regional Process at: <http://world-water-forum-2012-europa.eu/spip.php?rubrique13>

The 12 Specific Europe Region Priority Targets (SERPT) at: <http://world-water-forum-2012-europa.eu/spip.php?rubrique15>

Several preparatory session events were organised. Agenda and more information on the Europe Region Process at: <http://world-water-forum-2012-europa.eu/spip.php?article79>

**Item 9 : ERWG Letter Editorial Board**

The National Committees in ERWG were invited to offer their proposals for the future work on the ERWG Letter. In absence of any proposal, the representative from UK raised the issue of merging the newsletter with the website of ERWG. The Chairman may invite proposals from European members for the future work on the ERWG Letter.

**Item 10 : Young Professional Fora**

The Young Professional Fora were successfully organized during the 24<sup>th</sup> and 25<sup>th</sup> ERCs in March and May 2011 at France and The Netherlands, respectively.

**Item 11 : Any other business**

- **Henri Tardieu Award**

The price was awarded to the best paper of the past year in the ICID Irrigation and Drainage Journal making it possible for the first author of the paper to attend and present the paper in the coming ICID meeting. The first price was already awarded to a young professional from Tunisia.

- **New Programme on Land Reclamation – RuCID**

Central Office received the information (8 February 2011) from Russian National Committee on Irrigation and Drainage (RUCID) that the RUCID would be intensifying its activities in ICID with the support of Ministry of

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Agriculture of Russian Federation. It was seen that they have to strengthen the new programme on land reclamation in the Russian Federation next year. We expected that Mrs. Elena Skrinnik, Hon'ble Minister of Agriculture of the Russian Federation may join the Russian delegation for the upcoming 21<sup>st</sup> Congress in Tehran and provide an excellent opportunity to meet with ICID management and Chair-persons of various National Committees.

The main objectives of the Russian programme were:

- arrangement of general conditions in effective functioning of agriculture at the expense of reconstruction and development of reclamation objects (reclaimed land and reclamation systems);
- significant crop yield increase due to integrated land improvement, the use of innovative agricultural technologies, high productive crop rotations, applying fertilizers and plant protection;
- environmentally safe use of land, water and other renewable natural resources in agricultural production, improvement of soil fertility to the optimum level in each particular area;
- forage production on reclaimed lands, to improve the growth rates of cattle, guaranteed provision of population with rice, vegetables, fruits and berries;
- security and reliability of hydraulic facilities; financial support to farmers growing agricultural produce on reclaimed lands.

These topics will be also presented and discussed in the IEC meeting on 23 October 2011 in Tehran where the minister will be represented by Prof. Sergey Goryachev, advisor to the minister for Foreign Affairs.

- **Change in structure and hosting of the Secretariat of GECID**

The members noted the changes in the GECID.

- **Change in structure and hosting of the Secretariat of NETHCID**

The members noted the changes in the NETHCID.

- **UK representative informed the meeting about changes in the UK National Committee**

The new ICID UK Chairman is Professor Bruce Lankford, professor of Water & Irrigation Policy, University of East Anglia. E-mail: b.lankford@vea.co.uk

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## EUROPEAN REGIONAL WORKING GROUP (ERWG)

### Profile

The European Regional Working Group (ERWG) of ICID was founded at the 46th IEC Meeting in Rome in September 1995, and is acting under the motto "Comprehensive land and water management in European river basins for the sustainable development of the rural landscape". The tasks of ERWG can be summarized as follows:

- Knowledge transfer and exchange of experience in matters of border crossing water and land management in European countries
- Co-operation of experts and organisations engaged in national, supranational and international objectives of water management and irrigated agriculture
- Development and promotion of border crossing projects and conferences
- Members are the ICID National Committees of 24 European countries, as below :

Country Representatives			
<b>Austria</b>	Mr. Frederick M. Cate	<b>Lithuania</b>	Dr. Antanas Maziliauskas
<b>Croatia</b>	Prof. Davor Romic	<b>Macedonia*</b>	Prof. Zvonimir Vukelic
<b>Cyprus</b>	Mr. Nicos Tsiourtis	<b>Portugal</b>	Mr. Pedro Eduardo da Cunha Serra
<b>Czech Republic</b>	Prof. Svatopluk Matula	<b>Romania</b>	Prof. Ion M. Nicolaescu
<b>Estonia</b>	Mr. Mati Tonismae	<b>Russia</b>	Dr. Irina G. Pankova
<b>Finland</b>	Mr. Jaakko Sierla	<b>Serbia-Montenegro</b>	Mr. Peter Pantelic
<b>France</b>	Dr. Sami Bouarfa ( <i>to be confirmed by AFEID</i> )	<b>Slovenia</b>	Prof. Brane Maticic
<b>Germany</b>	Dr.- Ing. Eiko Luebbe	<b>Spain</b>	Mr. Ricardo Segura Graino
<b>Greece</b>	Prof. Dr. A. Poulouvassilis	<b>Switzerland</b>	Mr. Claude Alain Vullier
<b>Hungary</b>	Dr. Laszlo Hayde	<b>The Netherlands</b>	Mr. Pol Hakstege
<b>Ireland</b>	Dr. John Martin	<b>Ukraine</b>	Prof. Peter Kovalenko
<b>Italy</b>	Dr. Michele A. Cuccaro	<b>United Kingdom</b>	Mr. Peter S. Lee
<p><i>*The membership of Macedonia, due to non-payment of subscription has fallen under "inactive" category. The country representation would revive once the arrears are cleared.</i></p>			

<b>Chairman</b>	:	Dr. Laszlo Hayde (Hungary)
<b>Vice-Chairman</b>	:	Prof. Dr. Peter Kovalenko (Ukraine)
<b>Secretary (1)</b>	:	Mr. Olli-Matti Verta (Finland)
<b>Observer(1)</b>	:	Ms. Dr. Irina Bondarik (Russia) <i>for Russian speaking countries</i>
<b>Observer (2)</b>	:	Mr. Mohammed Benblidia (IME)

### **Countries with observer status**

<i>Bosnia &amp; Herzegovina</i>	:	Prof. Dr. Mihovil Vlahinic
<i>Moldova</i>	:	Mr. Valeriu Catrinescu
<i>Serbia</i>	:	Prof. Dr. Svetimir Dragovic

### **Subordinate Work Teams**

*European Work Team on Water Related Risk Analysis (EWTWRRRA)*

**Chairman** To be elected (Dr. Sandor Szalai, Hungary)  
**Members** To be elected

### **European Work Team on Sustainable Irrigation Management (EWTSIM)**

**Chairman** Prof. Peter Kovalenko (Ukraine)  
**Members** Mrs. Helena Aijo (Finland),  
Mr. Frederick M. Cate (Austria),  
Mr. Jan Cermak (Czech Republic),  
Mrs. Jasmina Taseva (Macedonia),  
Prof. Dr.-Ing. Joachim Quast (Germany),  
Dr. Olga Zhovtonog, Secretary (Ukraine),  
Mrs. Ildiko Zima Szaloki (Hungary)

**Observer** World Bank representative

### **European Work Team on Drainage (EWTDR)**

**Chairman** Dr. Georgiy G. Gulyuk (Russia)  
**Members** Dr. Irena Bondarik, Secretary (Russia)  
Prof. Brane Maticic (Slovenia),  
Dr. Iulian Mihnea (Romania),  
Mr. Toomas Timmusk (Estonia),  
Dr. Nicola Yacik (Ukraine),  
Mr. Daniel Zimmer (France)

### **Editorial Board of ERWG Letter (EBLET)**

**Editor** to be elected  
**Secretary** to be elected  
**Members** Dr. Frantisek Dolezal (Czech Republic),  
Mr. John Hennessy (UK),  
Dr. Lajos Szlávik (Hungary)

### **Water Network**

In addition to the European National Committees of ICID, the following organizations/association/institution have been incorporated in the ERWG Water Network :

#### **5 European professional organizations**

- CIPR - Commission Internationale pour la Protection du Rhin
- EurAgEng - Special Interest Group on Soil and Water, European Society of Agricultural Engineers
- EWA - European Water Association
- EWRA - European Water Resources Association
- TECHWARE - Technology for Water Resources

#### **7 National Water Management Associations**

- BSHE - Bulgarian Society of Hydraulic Engineers
  - DWA - German Association for Water Management, Waste Water and Waste
  - DONBH - Society for Irrigation and Drainage of Bosnia & Herzegovina
  - LZHS - Lithuanian Association of Land and Water Management Engineers
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- MHT - Hungarian Hydrological Society
- RSRE - Russian Society of Reclamation Engineers
- SITWM - Polish Association for Water Plant Construction and Land Improvement Engineers and Technicians

#### **6 European Water Management Institutes**

- ACVAPROJECT - Water Management Design Institute (Moldova Republic)
- DHI - Danish Hydraulic Institute
- IIDS - Institute of Irrigation and Development Studies, University of Southampton (United Kingdom)
- RIIDHE - Research Institute for Irrigation, Drainage and Hydraulic Engineering (Bulgaria)
- VITUKI - Water Resources Research Centre Plc. (Hungary)
- IME - Institut Méditerranéen de l'Eau (France)

#### **Work Results**

- ERWG Letter No. 1 to 20 (newsletters)
- Irrigation Sector Reform in Central and Eastern European Countries (project report book/CD)
- European Sector Vision on Water for Food and Rural Development (report)
- ICID Guide "How to work out a drought mitigation strategy" (guideline)
- Water Resources Management in the Czech Republic, Hungary, Lithuania, Slovenia (book)
- Diffuse Entries in Rivers of the Odra Basin (research report)
- Proceedings of several European conferences
- First and Second CEE WFE Dialogue Reports (Dialogue on Water, Food and Environment – Dialogue on the implementation of the EU Water Framework Directive in Agriculture in the Central and East European Countries) (reports)
- Danube Valley : History of Irrigation, Drainage and Flood Control (book)

#### **Current Projects**

- Flood risk mitigation by agricultural non-structural measures
  - Drought mitigation strategies
  - Implementation of the European Water Framework Directive
  - Flood plain management on Odra, Nemunas and Vistula
  - Flood prevention strategies
  - Point and diffused pollutants in the Odra basin
  - Sustainable irrigation and drainage management under the conditions of transitional economy
  - Dialogue on water for food and environmental security in Central and Eastern Europe
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## EUROPEAN WORK TEAM ON WATER RELATED RISK ANALYSIS (EWTWRA)

### Mandate of the Work Team

*To identify the basic risk factors and impacts of the water related disasters by evaluating prevailing risk assessment practices in countries and to develop a common risk evaluation plan towards harmonized national risk management action plans.*

### Background

Largest part of the natural disasters is connected to the meteorological/climatological events. The number of such events is growing significantly, according to the climate change theory. The biggest damages are caused by the disasters in connection with water related extremes in Europe. Climate change scenarios project problems with the extreme water availability, like intensification of hydrological cycle, especially precipitation, and decreasing precipitation amount first of all in the South-European region. These two events can be parallel, i.e. the less precipitation can fall in a more intensive way, which has a tuning worsening effect on the surface water balance. The consequence of intensification can be for example the growing frequency of flash floods.

Many projects have among their objectives assessing one or other water related disasters. Unfortunately, quite many methodological bases are lacking or are not unified setting back the international comparability of the results of investigations. More explicit is the surplus water part, e.g. floods and their impacts, and more latent is the water deficit part, e.g. drought.

According to the latest results, we can assume that the frequency of these events has been changing, and their tendencies have different signs in different part of Europe.

The hydrological research turns to the scale of river basin investigations (WFD, etc.). These are mostly done in international co-operation in Europe. Therefore, methodological development, comparability studies and general overviews are required.

### Aim

The aim of this co-operation is to identify the basic risk factors and impacts of the water related disasters. Applied methodologies of impact studies should be collected and an inventory should be done to summarise special advantages and disadvantages of the individual methods. Risk assessment of extreme events has similar theoretical basis even for different type of events. Probabilities (return periods, distributions etc.) are characteristic for the natural disasters and sensitivity, vulnerability are features of the sufferer (region, society, etc.). Real risk management includes both sides, e.g. the statistical features of the natural disaster and the level of development, adaptive capacity of region bearing the disaster. Therefore, the main task of this WT is to investigate these processes by common, or similar, but at least comparable methods. Comparability has to be the minimum condition, because not comparable methods (or methods still not have been compared) give not comparable results.

Methodology of such type of investigations is not agreed, the problems of vulnerability and sensitivity is not uniformly discussed.

Common, statistically well established methodology will be applied to characterize the risks and making them comparable internationally. As a second phase, risk evaluation and management action plans will be developed. These activities will improve the adaptive capacity of the countries and reduce their vulnerability.

### Objectives

1. Inventory of the methods used in the water related risk assessments.
  2. Evaluation of the methods in the inventory.
  3. Harmonisation of countries (meetings, software, knowledge transfer etc.).
  4. Identify stakeholders, contact with them.
  5. Identify possible risk events, stress sources, relationships between sources and receptors.
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6. Agreement in a common methodology.
7. Estimate the likelihood of risk events, exposure to the effects and its consequences, develop risk profile.
8. Impacts of extreme events on agricultural production.
9. Compare events and total risks with targets and criteria.
10. Assess existing risk assessment practices against risk profile.
11. In course of development of working plan, stakeholder communication.

#### **Basic actions**

1. Overview of the present situation (questionnaire)
2. Determine the needs of individual countries and the possible support activities
3. Contact with stakeholders on national level and keep them informed
4. Publish a methodological survey, suggest the most usable methods
5. Apply the suggested methods in each country, preparation an international overview
6. Comparison of different national practices

#### **Milestones**

1. year: Set up an inventory and evaluate the methods
2. year: Comparability studies (pilot events), contact with the stakeholders
3. year: Pilot study based on common methodology
4. year: Dissemination of results

#### **Applied tools**

1. Statistical methods, software
  2. Data base or data availability on hydrological, meteorological fields, data from other fields of impact
  3. Visualisation
  4. Internet home page
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Minutes of the Twenty Second Meeting of the  
**AFRICAN REGIONAL WORKING GROUP (AFRWG)**  
 Tehran, Iran  
 17 October 2011: 09.00-12.30 hours

**Year of Establishment: 1994**

**Mandate:** To promote links and networking among the African countries as well as regional and international institutions for enhancing cooperation and coordination; and to support integrated river basin development, training and research issues and information system for African needs.

**Members Present:** (1) Mr. Adama Sangare, Chairman (Mali, 2009); (2) Dr. Andrew Sanewe, Vice Chairman (South Africa, 2009); (3) Vice President Dr. Samia El-Guindy (Egypt, 2010), and (4) Secretary General, ICID represented by Dr. S.A. Kulkarni.

**Observers:** (i) ARID Representative (Mr. Moussa Amadou); (ii) SARIA Representative;

**Member Honoraire Present:** Mr. Felix Reinders, Vice President Hon., ICID (South Africa)

**Other observers:** (i) Mr. Avinash C. Tyagi (WMO), SG-Designate; (ii) Dr. Magdi Tawfik Abdelhamid (Egypt); (iii) Dr. Yacob Beletse (South Africa); (iv) Dr. Tsugihiko Watanabe (Japan); (v) VPH Dr. Hussein El-Atfy (Egypt); (vi) Bamba Aliou (Mali); (vii) Mr. Maurice Roos; (viii) Eng. Raphael L Daluti (Tanzania); (ix) Eng. Othman S. Omar (Tanzania); (x) Puleng Mofokeng (South Africa).

**Website:** <<http://www.afrwg.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 21st meeting of the Working Group**

The minutes of the 21<sup>st</sup> meeting of the AFRWG held in Yogyakarta, Indonesia in October 2010 were confirmed.

**Item 2 : Review of membership of the group, countries and permanent observers**

**2.1 Membership of the group**

The Chairman read the mandate of the working group and the members agreed that the mandate was still relevant and appropriate. The working group discussed the membership. The Chairman noted that his term as Chairman of the AFRWG expires in Tehran and a new Chairman will be appointed. The working group decided to nominate Dr Andrew Sanewe as the Chairman of the AFRWG. Engr Aliou Bamba from Mali was elected as the Vice Chairman and Engr Raphael L. Daluti from Tanzania was elected as the Secretary of the AFRWG.

Engr Adriano de Vito was nominated for the membership by the Italian National Committee (ITAL-ICID). However, as Engr de Vito was not present at the meeting and nor his CV was available his nomination was deferred till next meeting in Australia in 2012.

**2.2 Membership of African countries**

Presently, there are 7 active member countries of Africa (including Tanzania) of AFRG. Sixteen countries are deemed inactive. Engr Raphael Daluti the Director of Irrigation and Technical Services Division, MAFC on behalf of Tanzanian National Committee made a payment for the 2011 membership subscription fee and has requested ICID to waive off the outstanding arrears. Tanzania has therefore been provisionally accepted for the membership of the AFRWG.

Mr Aliou Bamba, the Technical Advisor of the Ministry of Agriculture, Republic of Mali visited New Delhi in December 2010. The Secretary General M. Gopalakrishnan also met with the Mali delegation and briefly discussed activities in the African Region.

The Minister of Agriculture from Zimbabwe visited Iran and he was encouraged to promote the reactivation of the Zimbabwe National Committee by ICID Central Office.

Although SARIA represents Southern Africa and ARID represents Western and Central Africa, there is no regional body that represents North Africa and East Africa. This needs to be considered by the AFRWG.

A proposal was made to link the AFRWG with AMCOW, NEPAD and the African Water Facility (AWF). It was noted that the AWF of the African Development Bank has funds to support agricultural water projects in Africa. It was proposed that the AWF be approached to support capacity building in agricultural water management in Africa. It was suggested that a proposal be submitted to the AWF through ICID Central Office for funding of capacity building programs.

Dr Samia El-Guindy (Egypt) informed that JICA (Japan) provides financial support for capacity building and training in Cairo (Egypt) every year. It was therefore decided to use the AFRWG as a platform to facilitate capacity building and training in Africa through donor funding organizations such as JICA, AWF and AMCOW.

Members agreed that the role of the working group needs to develop a capacity building and training strategy for Africa with the help of Dr. El-Guindy of ENCID, Mr Reinders of SANCID and Dr Sanewe, the new Chairman of AFRWG.

## **CONTINUING ITEMS**

### **Item 3 : Progress on the implementation of the Action Program for Africa**

#### **3.1 Report of the SARIA Workshop, February 2011, Swaziland**

The Vice Chairman, Dr Andrew Sanewe, informed members of the AFRWG about the activities of SARIA that took place in Swaziland. SARIA held its annual workshop at Maguga Lodge in Swaziland. Eleven of the fifteen SADC countries participated in the SARIA workshop held from 15-17 February 2011. The three day event consisted of a one day workshop on 'Poverty reduction and food security in SADC countries', a technical tour of irrigation schemes in Swaziland and the Steering Committee meeting of the SARIA members. A brief report of the SARIA workshop 2011 was published in the ICID annual report and copies the workshop CD was sent to ICID Central Office. ICID Central Office undertook to make additional copies of the CD and distribute them to AFRWG members.

#### **3.2 3rd African Regional Conference, 29 November – 5 December 2011, Mali**

The President of AMID, Mr. Adama Sangare, made a presentation about the forthcoming 3<sup>rd</sup> African Regional Conference which will be held in Bamako, Mali from 29 November to 5 December 2011. The theme of the conference is 'Food security in Africa and Climate Change: Improve irrigation and drainage contribution'. The papers will be presented in 3 sub-themes and there will be 3 special sessions and 2 panels of expert discussions. Mr. Sangare mentioned about the proposed special session by Ms Dominique Vallée of FAO on "Smallholder private irrigation - Supporting the trend in the face of climate change".

The organizers of the conference are expecting 200 participants; registration fees for non-Malians will be USD 300. Presentation of papers during the conference will take place from 30 November to 4 December 2011. A field trip and post conference tours are also planned. Mr Sangare distributed the third announcement of the Regional Conference during the meeting. Thirty-three papers were received for review, 98 registration forms have been completed so far and 16 exhibitors have requested space. The total budget for the conference is USD 407 537.00. The organizers of the conference are looking for keynote speakers and for experts to participate in the panel discussions.

#### **3.3 11<sup>th</sup> International Drainage Workshop (IDW), 23-25 September 2012, Cairo**

The 11<sup>th</sup> International Drainage Workshop (IDW) is hosted by ENCID and will be held in Cairo, Egypt from 23-25 September 2012. The deadline for the submission of abstracts is 1<sup>st</sup> December 2011 and the deadline for the submission of full papers is 1<sup>st</sup> June 2012. There will be a one-day technical tour to either the drainage projects in the Delta area or to the Water Research Centre.

It was proposed that the 4<sup>th</sup> African Regional Conference be organized in conjunction with the International Drainage Workshop. This matter will be brought to the attention of ENCID and to ICID Central Office.

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**Item 4 : Three-year work plan of the group**

The future plans of the working group were discussed. The working group will submit a three year plan to ICID Central Office that will include; the SARIA workshops for 2012, the 3<sup>rd</sup> African Regional Conference 2011, the SANCID symposium 2012, the ENCID International Drainage Workshop 2012 including a capacity building program for Africa to be drafted by Dr El-Guindy.

The working group agreed that there is a need to look at policies, institutions and training in relation to irrigation development. It was decided by the working group to focus its attention primarily on the broader topic of agricultural water management which includes irrigation development and water harvesting. The emphasis of the working group will be on poverty alleviation and food security in Africa. The working group will also place a special emphasis on assisting national committees that are seeking financing for irrigation development through donor support and on capacity building and training. These initiatives will be carried out in collaboration with ICID Central Office.

**Item 5 : Cooperation with other working groups and international organizations****5.1 ICID working groups**

The Special Work Team on Lake Chad Basin (ST-LCB) has not been active for several years. Mr Sangare met with the Lake Chad Basin Commission and they promised to take part in the AFRWG meeting in Tehran. Unfortunately, none of the people concerned managed to attend the meeting. Dr. Tsugihiko Watanabe from Japan, who is working for the International Lakes Environmental Commission (ILEC) was nominated to be a member of the ST-LCB by the Japanese national committee. Dr Watanabe gave a brief description of his role in ILEC and how he could assist the ST-LCB. The members of the AFRWG decided that they were not in a position to discuss the issues regarding the Lake Chad Basin because none of those present at the meeting were from that area. It was agreed that the matter should only be discussed when the people that are knowledgeable about the issues regarding Lake Chad are present.

**5.2 SANCID Symposium, November 2010**

The SANCID symposium was held in November 2010 at the Desert Palace in Uppington, Northern Cape, South Africa. Twenty six papers were presented at the symposium. The SANCID symposium 2010 was reported in the ICID newsletter and in the ICID annual report.

**5.3 Focus on Africa**

The members of the AFRWG agreed that there is an urgent need to revitalize the national committees in Africa. ICID Central Office informed members that they are willing to support the development of national committees in Africa. Tanzania indicated that they will try to encourage Malawi and Kenya to become more active in ICID. Dr Samia El-Guindy of Egypt said that she would get in touch with the Arab Water Council to establish collaboration between the North African countries of Morocco, Tunisia, Algeria and Egypt. The working group proposed that inactive members of ICID that have to pay outstanding amounts should pay for the current year membership fee if not of the previous years.

**5.4 Agricultural Water Partnership (AgWA)**

AgWA planned to organize its first general assembly in 2011 during the 3<sup>rd</sup> African Regional Conference in Bamako, Mali. Mr Sangare tried to communicate with the AgWA secretariat but he received no response from them. ICID Central Office offered to forward any communication from AMID to AgWA secretariat concerning the participation of AgWA in the 3<sup>rd</sup> African Regional Conference.

**5.5 Other international announcements/ initiatives**

The meeting took note of the following activities:

- Africa Water Atlas – The organizers of the 3<sup>rd</sup> African Regional Conference will invite UNEP to make a presentation of the Africa Water Atlas
  - African Journal of Agricultural Research
  - African Session of the 8<sup>th</sup> World Forum of Sustainable Development
-

- Africa Public Private Partnership (APPP) 2011 – will be invited by the organizers of the 3<sup>rd</sup> African Regional Conference to make a presentation
- World Water Day, March 2012

**Item 6 : Publicizing working group's activities through a Newsletter and other international publications**

Members of the working group agreed that the AFRWG needs to develop a two page newsletter that will be published every 3 to 6 months. Mr Aliou Bamba of Mali accepted responsibility for the newsletter. AFRWG members will supply him with relevant information. Mr Bamba's email address is: bambaaliou@yahoo.fr.

**Item 7 : Website of the AFRWG**

Members of the working group were urged to contribute to the website.

**Item 8 : Any other business**

There was no other business.

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Minutes of the Sixth Meeting of the  
**SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST- LCB)**  
Tehran, Iran  
17 October 2011: 09.00-12.30 hours

**Year of Establishment: 2005**

**Completion of the Mandate: 2011**

**Mandate:**

- To assist in the establishment of broad based ICID National Committees in each of the Lake Chad Basin country;
- To obtain and disseminate information on the problems of Lake Chad Basin to other ICID member countries with similar problems;
- To organize national and international discussions on related scientific and technical issues in the basin; and
- To co-operate with other international organizations in related activities.

**Website:** <<http://www.st-lcb.icidonline.org>>

The scheduled meeting could not be held due to non-availability of its members.

Minutes of the Eighth Meeting of the  
**AMERICAN REGIONAL WORKING GROUP (AMRWG)**  
Tehran, Iran  
17 October 2011: 13:30-17:00 hours

**Year of Establishment: 2003**

**Mandate:** (1) To assist in the development of ICID National Committees in Americas; (2) To obtain and disseminate information on irrigation and drainage in Americas; (3) To organize national and international discussions / meetings on relevant scientific and technical issues; and (4) To act as catalyst for promoting better contact with the ICID and other relevant international organizations.

**Members present:** No members were present except Secretary General, ICID represented by Dr. Vijay Labhsetwar.

**Observers:** (i) Vice President Hon. José A. Ortiz Fdz.-Urrutia (Spain) and (ii) Vice President Prof. Lucio Ubertini (Italy).

**In absence of Chairman, Vice Chairman or any other members, the discussion on agenda was deferred to next meeting in June 2010 at Adelaide, Australia (2012).**

However, a brief discussion was held among Vice President Prof. Lucio Ubertini (Italy), Vice President Hon. Dr. José A. Ortiz Fdz.-Urrutia (Spain) and Dr. Vijay K. Labhsetwar, who were present.

Vice President Prof. Ubertini (Italy) has shown his keen interest in the activities of the AMRWG. Dr. Labhsetwar brought to attention that recently Chile has withdrawn on its own from the ICID membership. Prof. Ubertini (Italy) volunteered to contact the Chilean Embassy in Rome to bring back Chile in to ICID fold. VPH Dr. Ortiz (Spain) informed that he also contacted the former Secretary General of Chilean National Committee to attempt reactivate Chilean membership. The Central Office will continue its efforts in reviving Chilean membership.

The Italian Institute of Latin America (IILA) will be organizing a meeting during 16-18 November 2011 at St. Domingo in Dominican Republic. Prof Ubertini will be attending that meeting and try to encourage the Latin American countries present in that meeting to join ICID. The efforts of Prof Ubertini were praise worthy.

Minutes of the Thirty-first Meeting of the  
**PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**  
 Tehran, Iran  
**20 October 2011: 09.00-12.30 hours (Session-I)**  
**20 October 2011: 14.45-18.00 hours (Session-II)**

**Year of Establishment: 1981**

**Members Present:** (1) Vice President Hon. Mr. Felix B. Reinders, Chairman (South Africa, 2010); (2) Vice President Hon. Larry D. Stephens, Secretary (USA); (3) Vice President Hon. Dr. Hussein Ehsan El-Atfy (Egypt, 2005); (4) Dr. Yohei Sato (Japan, 2005); (5) Dr. Nikolay G. Kovalev (Russia, 2007) represented by Dr. Irina Bondarik; (6) Vice President Engr. Husnain Ahmed (Pakistan, 2009); and (7) Er. M. Gopalakrishnan, Secretary General, ICID (represented by Dr. S. A. Kulkarni).

**Ex-Officio Members Present:** (i) PH Prof. dr. Bart Schultz, Chairman, EB-JOUR; (ii) Dr. Kamran Emami, Chairman, WG-HIST; (iii) Prof. (Mrs.) L. Vincent, Chairperson, WG-TRUE represented by Dr. Shaden Abdel-Gawad, Vice Chair, WG-TRUE; (iv) VPH Dr. M.H. Amer, Chair, WG-WATS; (v) VP Dr. Willem F. Vlotman, Chair, WG-DRG; (vi) PH Peter S. Lee, Chair, WG-POVERTY; (vii) Dr. G.R. Backeberg, Chair, TF-FIN; (viii) Dr. Park, Sang-Hyun, Chair, WG-SDTA' (ix) Dr. Hu Heping, Chair, WG-ENV represented by Dr. Sylvain R. Perret, new Chair, WG-ENV; (x) Dr. Kamran Emami, Chair, WG-CAFM; (xi) VPH Dr. Mark Svendsen, Chair, WG-CLIMATE represented by Dr. Ray-Shyan Wu, Secretary, WG-CLIMATE; (xii) VP Dr. Ragab Ragab, Chair, WG-CROP; (xiii) VP Dr. Ragab Ragab, Chair, WG-PQW and (xiv) PH Prof. dr. Bart Schultz, Chair, TF-WWF6.

**Observers Present:** (i) Mr. Avinash C. Tyagi, Secretary General (Designate), ICID; (ii) Dr. Moussa Amadou (Niger); (iii) Dr. Adama Sangare (Mali); (iv) Dr. Iuriilanko (Russia); (v) Prof. Tai Cheol Kim (Korea); (vi) Mr. Ian Atkinson (Australia); (vii) Dr. Hun Sun Lee (Korea); (viii) Dr. Jin-Hoon Jo (Korea); (ix) Dr. Ruey-Chy Kao (Chinese Taipei); (x) Prof. Peter Kovalenko (Ukraine); (xi) Dr. Andre Roux (South Africa) and (xii) Eng. Othman S. Omar (Tanzania).

**Item 1 : Confirmation of minutes of the 30<sup>th</sup> meeting of PCTA held at Yogyakarta, Indonesia, on 14 October 2010**

Minutes of the 30<sup>th</sup> meeting of PCTA were confirmed.

**A. CONTINUING ITEMS**

**ITEMS FOR ACTION**

**Item 2 : Membership of the Committee**

Dr. William Vlotman was selected to replace Mr. Bruno Molle as Vice Chairman of PCTA. Chairman Felix B. Reinders invited Members of PCTA to volunteer to serve as the Secretary of PCTA as VPH Larry Stephens is no longer a member of PCTA. No one volunteered to serve. It was noted that Ex-Officio members can serve as Office Bearers, so VPH Stephens offered to continue as Secretary and the offer was accepted by PCTA. Mr. Reinders thanked VPH Stephens for his willingness to accept this most important task of the PCTA. PCTA recommended to IEC for approval of the nomination of Mr. Stephens to continue to serve as the Secretary.

**Item 3 : Composition of Workbodies**

**3.1 New membership proposals for workbodies**

The following membership proposals were recommended to IEC for approval:

**ICID Journal Editorial Board (EB-JOUR)**

- Dr. Mohammad Javad Monem (Iran) in place of VPH Dr. Saeed Nairizi

- Prof. Dr. Klaus Röttcher in place of Dr. Joachim Quast (Germany)
- Dr. Takao Masumoto (Japan) as Associate Editor
- Prof. Dr. Kristoph-Dietrich Kinzli P.E. (USA) as Associate Editor

#### **Working Group on Drainage (WG-DRG)**

- Mr. Ardavan Azari in place of Dr. M. Bybordi (Iran)
- Ms. Helena Aijo in place of Mr. Rauno Peltema (Finland)

#### **Task Force on Financing Water for Agriculture (TF-FIN)**

As the Task Force is completing its work no new members were accepted.

Dr. K. Yamaoka (Japan) was elected to serve as Vice Chairman.

#### **Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)**

- Dr. Kiwook Park (Korea)
- Dr. Takanori Nagano (Japan) was nominated to replace Dr. T. Watanabe

#### **Working Group on Sustainable Development of Tidal Areas (WG-SDTA)**

- Dr. Kazuaki Hiramatsu (Japan) in place of Mr. Ueda Kazumi
- Dr. Kiwook Park (Korea) in place of Dr. Park Sang Hyun
- Prof. Budi Santoso Wignyosukarto (Indonesia) in place of Dr. Indeswari Guritno
- Engr. Md. Ahasan Ullah (Bangladesh)

#### **Working Group on Environment (WG-ENV)**

- Dr. Anna Tedeschi in place of Mr. Stefano Salbitani (Italy)
- Mr. Ahmed Aziz (Iraq)

The WG selected Dr. Sylvain-Roger to serve as Working Group Chairman, and Prof. Dr. Nobumasa Hatchoto serves as Vice Chairman.

#### **Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)**

- Mr. Olli-Matti Verta (Finland)
- Prof. Dr. Klaus Rottcher (Germany)
- Mr. Marcel Marchand (The Netherlands)

#### **Working Group on Technology and Research Uptake and Exchange (WG-TRUE)**

- Dr. Chan Chee Sheng in place of Dr. Mohammad Che Husain (Malaysia)

#### **Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)**

- Dott. Anna Tedeschi (Italy)
- Dr. Takanori Nagano in place of Dr. Makoto Yokozawa (Japan)
- Dr. Magdy Abdel Hamid (Egypt)

As Dr. Ragab is now Chairman of PCSO, VP Dr. Samia El-Guindy is proposed as the new Chairman of the Working Group.

PCTA Chairman Felix Reinders thanked Dr. Ragab for more than 10 years of excellent service as Chairman of WG-PQW.

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#### **Working Group on Modernization of Irrigation Services (WG-MIS)**

- Mr. Mehrzad Ehsani in place of Dr. M. K. Siah (Iran)
- Mr. Muhammad Yazid bin Abdullah (Malaysia)

#### **Working Group on Water Saving for Agriculture (WG-WATS)**

- Mr. V. K. Chawla(India)in place of Mr. R. K. Gupta

#### **Working Group on Water and Crops (WG-CROP)**

- Prof. Dr. Mohd. Amin Mohd. Soom (Malaysia)
- Dr. Magdi T. Abdelhamid (Egypt)

#### **Working Group on On-Farm Irrigation Systems (WG-ON-FARM)**

- Dipl. Ing. (FH) Jano Anter (Germany)
- Mr. Yazid bin Abdullah (Malaysia)
- Dr. Akira Iwamoto in place of Dr. Makoto Yokozawa (Japan)

A new Chairman will be selected for the next meeting.

### **3.2 Websites of ICID Workbodies**

It was noted that 22 workbodies have established web pages. PCTA urges the remaining workbodies to develop their respective web pages.

#### **Item 4 : Consideration of reports of Chairs of Workbodies followed by those of respective Strategy Theme Leaders**

##### **4.1 Presentation by Workbodies under the Strategy Theme – Knowledge (ST. K)**

###### **4.1.1 Committee on Public Relations and Publications (C-PR&P)**

Committee Chairman Larry Stephens reported that the Committee has recommended reduced price for sales of US\$75 for the 21<sup>st</sup> Congress Transactions and US\$100 for *Towards Sustainable Development of Tidal Areas* during the Tehran Congress. *In case of SDTA publication*, the special price of \$100 would be offered to the organizations that sponsored the publication.

The Committee made an extensive review of the ICID website, noting the excellent work of the Central Office to improve the website during the past year. Several suggestions for additional upgrades were made.

###### **4.1.2 ICID Journal Editorial Board (EB-JOUR)**

PH Bart Schultz reported for the Board. He noted that the impact factor was reduced for 2010 but is expected to be higher for 2011 and the five year factor has been computed for the first time at 0.852, a noteworthy accomplishment.

Three Special Issues of the Journal will be published in 2012.

Wiley requested key words for irrigation and drainage and Central Office has provided the list, using the ICID Multilingual Technical Dictionary.

The Best Paper Award for the year will be announced during the Tehran IEC Meeting.

Board Chairman Dr. Bart Schultz also noted that a decision on a new agreement with Wiley or a new publisher will be needed next year.

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#### **4.1.3 Working Group on History of Irrigation, Drainage and Flood Control (WG-HIST)**

Chairman Dr. Emami noted that the WG organized a 'History Seminar' in Tehran. The Working proposed a Seminar in Australia on 'Sustainability through History', to be followed by the preparation of a special publication on sustainability.

Dr. Emami reported that the History of Irrigation in Spain will be published electronically. The Pakistan National Committee (PANCID) will also prepare a History.

#### **4.1.4 Working Group on Technology and Research Uptake and Exchange (WG-TRUE)**

Vice Chairman Dr. Mrs. Shaden Abdel-Gawad reported that the WG be continued for one year so that a small working committee, chaired by Working Group Chairman Prof. (Mrs.) L. Vincent, be established to develop a mandate and membership and work program for a new Working Group that would take care of ICID's program of research and development. PTCA recommended for approval by Council.

#### **4.1.5 Synthesis and Recommendations by Theme Leader on Knowledge (ST. K)**

No Synthesis report was given.

### **4.2 Presentation by Workbodies under the Strategy Theme – Systems (ST. S)**

#### **4.2.1 Working Group on Modernization of Irrigation Services (WG-MIS)**

Mr. Ian Atkinson, Acting Chairman reported for the Working Group. Based on the WG recommendation, PCTA recommended that the Working Group should be continued and a new mandate be prepared.

#### **4.2.2 Working Group on Water Saving for Agriculture (WG-WATS)**

Working Group Chairman YPH Dr. M. H. Amer reported for the Working Group. He noted that the WG proposed to change the word "innovation" to "achievement" in case of the Farmer category Award.

Three 2011 awards will be presented during the Tehran IEC meeting. No Young Professional nomination was made. The 2012 WatSave Awards will be sponsored by South Africa or Australia as per the internal decision of the two National Committees.

The Working Group will organize an internal workshop on Water Saving Achievements during the Australia IEC meeting. The WatSave book has been translated into Persian; Dr. Amer will prepare an Arabic translation and Mrs. Falrienne Latapie has also agreed to prepare a French translation.

#### **4.2.3 Working Group on Drainage (WG-DRG)**

Working Group Chairman Willem Vlotman reported about the presentations made at the meeting. The WG noted that it has been difficult to update the database on 'Drained Area in the World' because of difficulty in obtaining new information.

The Working Group will hold the 11<sup>th</sup> International Drainage Workshop in Egypt on 23-27 September 2012, while the 12<sup>th</sup> Workshop will be held in Russia.

#### **4.2.4 Working Group on the Role of Irrigation in Poverty Alleviation and Livelihoods (WG-POVERTY)**

Working Group Chairman PH Peter Lee reported that the WG is primarily involved with policy issues related to poverty alleviation and they will coordinate with the new Working Group on Millennium Development Goals. The Working Group will complete its mandate by 2013.

#### **4.2.5 Task Force on Financing Water for Agriculture (TF-FIN)**

Task Force Secretary Dr. Sylvain-Roger Perret reported that the Workshop scheduled to be held in Tehran was required to be cancelled due to inadequate response. Task Force Chairman Dr. Backeberg added that the Task

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Force will conclude its activities in 2012. A four-hour Workshop will be held in Australia during the 2012 meeting, subject to approval by the Organizing Committee.

The Task Force intends to prepare a final report on *Water Use Charging Systems and Available Financing of Irrigation: Case-Studies and Cross-Country Comparison*. The Task Force will consider continuing their work past 2012, to prepare the report.

#### **4.2.6 Synthesis and recommendations by Theme Leader on Systems (ST. S)**

No report was presented.

### **4.3 Presentation by Workbodies under the Strategy Theme – Basin (ST. B)**

#### **4.3.1 Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)**

The WG-DROUGHT has developed three themes to cover its mandate as below:

- Drought management strategies in water stressed / scarce regions – Theme 1
- Coping with Water Scarcity – Theme 2
- Rainfall Harvesting and Management for Sustainable Agriculture in Water Stressed/Scarce Regions – Theme 3

Prof. Chang-Chi Cheng (Chinese Taipei), Mr. M.S. Jafari (Iran) and Mr. V.C. Ballard (Australia) presented their papers under theme 1, 2 and 3 respectively. The WG proposes to present its intermediate output at its Adelaide meeting in 2012. The WG also proposes to organize a workshop in Turkey (2013) to present draft final findings of the WG.

#### **4.3.2 Working Group on Sustainable Development of Tidal Areas (WG-SDTA)**

WG-SDTA elected Prof. Ruey-Chy Kao (Chinese Taipei) as new Chairman and Dr. Kazuaki Hiramatsu (Japan) as new Secretary.

Working Group Chairman Dr. Sang Hyun Park noted that the Working Group has brought out a special publication *Towards Sustainable Development of Tidal Areas*.

The WG will prepare a sponsored special issue of the ICID Journal during 2012, if sponsors are confirmed.

The WG held a Workshop in Tehran on ‘Sustainable Water/Environmental Management in Tidal Areas.’

#### **4.3.3 Working Group on Environment (WG-ENV)**

Working Group Chairman Dr. Sylvain-Roger Perret reported that the WG will address the topic of ‘Environment and Return Flows’ in a workshop to be held during the Australia IEC Meeting.

The Working Group will work jointly with the WG-PQW to organize the workshop.

The Working Group will establish a Team to address ‘Life Cycle Approaches Applied to Irrigation and Drainage Systems’ and will have presentations on this topic during their Australia meeting.

The WG will update their Work Plan during the upcoming year.

#### **4.3.4 Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)**

Working Group Chairman Dr. Kamran Emami will request an extension to the WG with an updated mandate until 2015. He noted that the Working Group has resolved to consider ‘Flood Management Strategies’ and will address ‘Adaptive Flood Management’. The Working Group proposed to hold a Seminar on ‘Adaptive Flood Management’ during the Australia IEC Meeting and subsequently to bring out a publication on the topic with the sponsorship the Iran Ministry of Energy. Vice President Dr. William Vlotman suggested that flood management is a topic that will be included in the Conference to be part of the Australia Meeting and that the Adaptive Flood Management could be included in the Conference. Dr. Emami agreed.

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Several presentations were made on Floods including floods in Iran, USA, Pakistan and Japan during the WG meeting.

An International Workshop on Floods in Pakistan was held in March 2011. The workshop was well attended by experts from ICID and delegates from organizations like WWF and others. There were 15 presentations made by foreign and local delegates.

Working Group Chairman Dr. Emami prepared a "Road Map" on the holistic and adaptive management of the Pakistan floods.

Dr. Emami made a presentation on 'Value Engineering', noting that he has written a book on Value Engineering. The Working Group proposed that a Task Force on Value Engineering be established. It still needs to be approved by the IEC. PH Peter Lee suggested that Dr. Emami may proceed with developing an international core group who could develop a mandate and terms of reference of the TF.

#### **4.3.5 Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)**

Working Group Vice Chairman Dr. Tsugihiko Watanabe reported on the WG meeting. He told that a United Nations Water Task Force on Water and Climate was proposed in 2008; then in January 2010, the Task Force became the 'Water and Climate Change Thematic Priority Area'. Secretary General Designate A.C. Tyagi is a coordinator of the Task Force and suggested that the Working Group may cooperate with the Task Force.

#### **4.3.6 Synthesis and recommendations by Theme Leader on Basin (ST. B)**

No report was presented.

#### **4.4 Presentation by Workbodies under the Strategy Theme – On-Farm (ST. OF)**

##### **4.4.1 Working Group on Water and Crops (WG-CROP)**

Working Group Chairman VP Dr. Ragab Ragab reported for the WG. The Working Group proposed to hold a Workshop on Management of Agriculture under Climate Change, in cooperation with the WG-CLIMATE, either during the Australia IEC Meeting or the following year in Turkey.

##### **4.4.2 Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)**

Working Group Chairman VP Dr. Ragab Ragab reported for the WG. He informed that new presentations will be offered during the Australia IEC Meeting. He told that the Working Group will cooperate in the future with the WG-DROUGHT and WG-ENV. Dr. Ragab has developed a model SALTMED which will be made available on the ICID website.

##### **4.4.3 Working Group on On-Farm Irrigation Systems (WG-ON-FARM)**

Working Group Chairman VPH Felix B. Reinders reported for the WG.

A new Chairman of the Working Group will be elected during the Australia IEC Meeting, as Mr. Reinders will step down due to his new responsibility to serve the PCTA chairmanship.

The Working Group continued to prepare two documents: *Improvement of the On-Farm Irrigation Systems using Simple Water Control, Measuring and Application Devices* and *Micro Irrigation for Smallholders and Greenhouses*.

A datasheet on 'Sprinkler and Micro Irrigated Areas' in ICID Network Countries has been updated. Working Group members were asked to review and provide updates to the datasheet.

The Working Group will participate in the 8<sup>th</sup> International Micro Irrigation Congress in Tehran. Chairman Reinders will serve as the General Reporter of the Congress.

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#### **4. 4. 4 Synthesis and recommendations by Theme Leader on On-Farm (ST. OF)**

No Synthesis Report was made.

#### **Item 5 : New Workbodies**

Dr. Vlotman reported that the Australian National Committee (IACID) proposed to establish an ICID Working Group on Millennium Development Goals (MDGs) to deal with the "Role of impact evaluation in maintaining momentum towards the MDGs through investments in irrigated agriculture sector." The proposal was discussed during the meeting of WG-POVERTY. He noted that the proposal has been published in the Tehran Agenda as Annex 1 to the agenda.

PCTA approved the proposal and recommended for approval by the Council.

#### **Item 6 : ICID Task Forces**

##### **6. 1 Task Force to Guide ICID Inputs to WWF-6 (TF-WWF-6)**

PH Bart Schultz reported on the Task Force activities. He briefed on ICID's active role in developing and preparing contributions, as outlined in the Agenda. PH Peter Lee noted that efforts must be taken to get the new ICID President involved in WWF-6.

##### **6. 2 Task Force on Water for Bio-Energy and Food (TF-BIO-ENERGY)**

Acting Chairman Mr. Andre Roux reported for the Task Force. A revised Terms of Reference was proposed for consideration during the Australia IEC Meeting.

##### **6. 3 Task Force on Sedimentation of Reservoirs (TF-SEDIMENTATION)**

Dr. S. A. Kulkarni (Central Office) noted that no member of the Task Force was present for the Task Force meeting in Tehran. Observers from several countries expressed interest in participating in the Task Force and their nominations will be forwarded by their respective national committee to Central Office for consideration during the Australia IEC Meeting. Dr. Ray-Shyan Wu will prepare a questionnaire for consideration in Australia.

Secretary General Designate A.C. Tyagi suggested that the Task Force should coordinate with sedimentation activities now being undertaken by other international organizations. PCTA recommended that the Task Force may consider if there truly is a role for an ICID workbody to address sedimentation issues related to irrigation and drainage.

##### **6. 4 Revamping IPTRID**

Mr. Ian Atkinson reported as the acting Chairman of IPTRID-Way Forward. The WG-TRUE can assist IPTRID to formulate a new Mandate to include aspects of importance to carry forward.

#### **B. ITEMS FOR INFORMATION**

#### **Item 7 : ICID's Cooperation with International Organizations**

The items as presented in the PCTA Agenda were reviewed.

##### **7. 1 UN Organizations**

- **UN-Water**

Agenda item noted.

- **Food and Agriculture Organization of the United Nations (FAO)**

PH Bart Schultz noted that FAO is quite interested in continuing cooperation with ICID.

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- **World Water Assessment Programme (WWAP)**

Agenda item noted.

- **International Fund for Agricultural Development (IFAD)**

PH Bart Schultz noted that IFAD is interested in cooperation with ICID.

- **World Meteorological Organization (WMO)**

Agenda item noted.

- **UNESCO**

Agenda item noted.

## **7.2 World Water Council (WWC)**

Agenda item noted.

## **7.3 International Water Management Institute (IWMI)**

Agenda item noted.

## **7.4 International Water-related Associations' Liaison Committee (IWALC)**

PH Peter Lee suggested that a meeting of IWALC members be held during WWF-6.

## **7.5 International Standards Organization (ISO)**

Agenda item noted.

## **7.6 McGill University, Montreal, Canada**

Agenda item noted.

## **7.7 The World Bank**

PH Peter Lee suggested that AgWa could be contacted regarding cooperation with ICID. VPH Larry Stephens noted that Alessandro Palmieri, World Bank's Dam Engineer, is active in ICOLD and USCID, and that he will contact Palmieri for guidance on who from the World Bank could be contacted for liaison with ICID.

## **7.8 Asian Development Bank**

Agenda item noted.

## **7.9 Global Water Partnership**

Agenda item noted.

## **7.10 International Commission on Large Dams (ICOLD)**

Agenda item noted.

## **Item 8 : ICID Congresses/Conferences**

### **8.1 24<sup>th</sup> European Regional Conference, Orleans, France, 14-16 March 2011**

Agenda item noted.

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**8.2 25<sup>th</sup> European Regional Conference, Groningen, The Netherlands, 16-20 May 2011**

Agenda item noted.

**8.3 3<sup>rd</sup> African Regional Conference, 29 November - 5 December 2011, Bamako, Mali**

Mr. Adama Sangare, Mali, reported on plans for the Conference. A link from the ICID website to the Conference site has been established.

Dr. Kulkarni suggested that the Conference program be supplemented by invited presentations. Mr. Sangare noted that the organizing committee is seeking presenters.

**8.4 62<sup>nd</sup> IEC and 21<sup>st</sup> International Congress on Irrigation and Drainage, and 8<sup>th</sup> International Micro Irrigation Congress, 15-23 October 2011, Tehran, Iran**

PCTA Chairman Reinders noted with thanks the efforts of the Iranian organizing committee.

**8.5 63<sup>rd</sup> IEC Meeting and 7<sup>th</sup> Asian Regional Conference, 24-29 June 2012, Adelaide, Australia**

Mr. Ian Atkinson noted that plans are proceeding with the IEC Meeting.

**8.6 64<sup>th</sup> IEC Meeting and 8<sup>th</sup> Asian Regional Conference, October 2013, Mardin, Turkey**

Agenda item noted.

**8.7 65<sup>th</sup> IEC Meeting and 22<sup>nd</sup> International Congress on Irrigation and Drainage, 2014, Seoul, South Korea**

A revised Theme and Topics for the 22<sup>nd</sup> Congress was presented by Prof. Tai Cheol Kim, Korean Organizing Committee. The revised topics incorporated comments from Dr. Mark Svendsen, Prof. Chandra Madramootoo and others. The Question 58 Topic will be modified to "Irrigation and Flood Control to Policy and Adaptation to Climate Change." PCTA recommended the revised proposal to Council, including additional inputs from Central Office and Prof. Kim.

**Item 9 : Best Performing Workbody Award (BPWA)**

The Award will be presented to the Working Group on Sustainable Development of Tidal Areas (WG-SDTA).

**Item 10 : Best Performing National Committee Award (BPNCA)**

The Award will be presented to the South African National Committee of ICID.

**Item 11 : N. D. Gulhati Memorial International Lecture**

The Lecture was presented by Dr. Charles Burt, USA.

**Item 12 : Any other business**

No other business was transacted and the meeting was adjourned.

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Minutes of the Fourteenth Meeting of the  
**WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND  
 FLOOD CONTROL (WG-HIST)**  
 Tehran, Iran  
 16 October 2011: 09.00-12.30 hours  
*Strategy Theme: Knowledge*

**Year of Establishment: 1998**

**Completion of the Mandate: 2014**

**Mandate:** To motivate ICID National Committees in various countries to set up their National Working Groups and provide them guidance to compile, publish, update and/or translate documents on history of irrigation, drainage, flood management, and river engineering, incorporating relevant agricultural, political, socio-economic, climatological and geographical aspects for proper understanding of the technological developments in the subject, if possible chronologically. Furthermore, to organize seminars at ICID Congresses, in order to show the importance of historical studies and as to how they help when planning for the new projects.

The WG will also focus on governance, institutions and management issues of irrigation and drainage systems, sustainable development and integrated water management in rural areas.

**Members:** (1) Dr. Kamran Emami, Chairman (Iran, 2009); (2) Dr. Kazumi Yamaoka represented Prof. N. Hatcho (Japan, 1998); (3) VPH Dr. Ricardo S. Graino (Spain, 1998); (4) Mrs. Xuming Tan (China, 1998); (5) VP Dr. Laszlo Hayde (Hungary, 2001); (6) Dr. Arthon Suttigarn represented Mr. Satit Maneepai (Thailand, 2002); (7) VPH Dr. Hafied A. Gany (Indonesia, 2005); (8) PH Peter Lee represented Mr. Charles L. Abernethy (UK, 2005); (9) Dr. Ing. Klaus Roettcher (Germany, 2006); (10) Pei-Chun Ni represented Prof. Wen-Pin Shu (Chinese Taipei, 2006).

**Member Honoraire Present:** (1) Dr. Jose A. Ortiz, Vice President Hon., ICID (Spain); (2) Dr. Chaiwat Prechawit, Vice President, ICID (Thailand).

**Observers:** (1) Maurice Roos (USA); (2) Shahram Khorasanizadeh (UNESCO); (3) Xuming Tan (China); (4) Khishigsuren (Mongolia); (5) Baranchuluum (Mongolia); (6) Mohamed Rafeel; (7) Seyyed Ahmad Heydarian; (8) Mohsen Masoudian; (9) Tris Radityan (Indonesia); (10) Iwan Nursyirwan; (11) Tonih Urmana; (12) Eddy P (Indonesia); (13) Dwi Cahyo Handono; (14) Ankur K. Desai (India); (15) R.S. Jha (India); (16) Md. Ahasan Ullah (Bangladesh); (17) Ferdinand Pakpahan (Indonesia); (18) Fauri Idris (Indonesia); (19) Lolly Martina (Indonesia); (20) Kiwook Park (Korea); (21) Iwamoto Akira (Japan); (22) Sahar Malekzadeh (Iran); (23) Alireza Salamat (Iran); (24) Gao Lihui (China); (25) Dr. N. Asokaraja (India); (26) Rasoul Azimi; (27) Muojabi; (28) Budianto (Indonesia); (29) Igustingurahwisak (Indonesia); (30) Bistok Siyan Junak (Indonesia); (31) Mudjadi (Indonesia); (32) Imam (Indonesia); (33) Baria Satyagraha (Indonesia); (34) John Pantoun (Indonesia); (35) Basuki Mochamad (Indonesia).

**Website:** <<http://www.wg-hist.icidonline.org>>

**Item 1 : Confirmation of minutes of the 13th meeting of WG-HIST**

The minutes of the 13<sup>th</sup> meeting of the Working Group held at Yogyakarta in October 2010 were confirmed.

**Item 2 : Review of membership of the Working Group**

The Italian National Committee (ITAL-ICID) nominated Ing. Antonio Linoli in place of Mrs. F. Sinatti. However, neither his CV was available nor he was present himself. Hence his membership was deferred.

## 2.1 Past nominations

At the Yogyakarta meeting, the following nominations were deferred due to non-attendance/ participation:

- Mr. Zazar Aslam in place of VPH Dr. I. B. Shaikh (Pakistan)
- Dr. Thierry Ruf in place of Mr. Jean Verdier (France)

Since both the candidates were not available, their memberships were deferred. The Central Office may invite fresh nominations from these National Committees.

The group noted that the members from Italy and Pakistan have not been contributing during the last two meetings.

## CONTINUING ITEMS

### **Item 3 : Report by the Chairman on progress made by the National Working Groups (NAG) on their assignments**

The WG noted the progress made by the NWGs as mentioned in the agenda. The Chairman thanked INCID for providing a copy of the publication titled 'History of Irrigation Development in Orissa – India' to Central Office Library. Members may write to INCID for copies for their use.

### **Item 4 : Progress on publishing '*Monsoon Asia History*'**

Prof. Hatcho informed the group via e-mail about the involvement of the missing countries and provided a format and some ideas for their articles. Prof. Hatcho did not attend the Tehran meeting (due to conflicting schedule) but Mr. Emami discussed this topic with him during the Tehran Congress. Prof. Hatcho will speak with the representatives of the missing countries and would provide a feedback and a solution for the progress after the congress.

### **Item 5 : Progress on publishing History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean**

Prof. Segura will check the comments provided by Mr. Abernethy on the report and would implement them, if possible. The group noted the difficulties in getting articles from France and Italy. The group decided that first the book could be published in Spanish version (in electronic format) and the missing countries may be asked to contribute to the printed book (in part). Publication of the book will be discussed with Central Office.

### **Item 6 : Cooperation with International Water Organizations**

Dr. Semsar informed the members that the International Conference on "*Traditional Knowledge for Water Resources Management (TKWRM)*" will be held on 21-23 February 2012 in Yazd, Iran and the short course to be held just after the conference in February 2012 (see Item 10).

### **Item 7 : Website of WG-HIST**

At Tehran, the group noted that the website of the Working Group <<http://www.wg-hist.icidonline.org/>> is fully functional and has been updated regularly. The Chair motivated the members to send information and content for the website to central office. The Chair also posted a "message from the Chair" on the website and the members fully agreed with the contents.

### **Item 8 : Work Plan**

#### ***History seminar at Tehran, Iran in October 2011***

The History Seminar '*Possibilities of Using traditional Methods in Modern water Management Systems*' was held during the WG meeting in Tehran, but only with two presentations. For future seminars, the Chair will discuss with the organizers and format of the seminar. These seminars will be an excellent option to learn more about the member countries and also about the activities of the WG members.

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**Item 9 : Discussion on Sustainability through History**

At Yogyakarta meeting (2010) Chair proposed to organize a conference in Europe preferably at Paris and the WG will try to get support from UNESCO. VP Dr. Hayde reported that it will need more time and activities to get UNESCO involved and to get a financial support.

The Chairman prepared a proposal on writing a book on "Water Sustainability through History" by the working group. The book can be presented after the proposed conference based on its results or the WG-HIST can embark on the task in parallel. The chairman circulated the proposal during the Tehran meeting.

As a result of the discussion, it was clear that it will not be easy to get financial support for such a conference and therefore, the issue of organizing a conference remains open. In the discussion, it was proposed to start with the book as a first step. With this book (digital version) it could be easier to find sponsors and to show the relevance of this topic. After the conference, the book could be enlarged by including presentations and recommendations of the conference. Members from Indonesia and Iran (Dr. Emami, Dr. Semsar and Eng. Farhangi) offered to prepare case studies on water sustainability from their countries. Hungary, the Netherlands, Japan, Chinese Taipei may provide case studies as well. All other members and countries of ICID are invited to provide case studies. The Chair proposed that the WG would organize a Workshop under the title of "Historical Water Sustainability" in the meeting at Adelaide, Australia in 2012. Some ideas on the format of presenting the case studies in the book are given in the **Annex**. Members have been requested to send their comments/suggestions to the Chairman with copy to the Central Office.

**Item 10 : Any other business**

- **TKWRM 2012, February 2012, Iran**

The International Conference on "*Traditional Knowledge for Water Resources Management (TKWRM)*" will be held on 21-23 February 2012 in Yazd, Iran. As proposed by Chairman Dr. Kamran Emami, the ICID Central Office agreed to be a Co-organizer of the conference. Dr. Kamran Emami is a Member of Scientific Committee of the TKWRM. For more information, contact Dr. Emami at <kkemami@gmail.com> or visit the website <<http://tkwrn.icqhs.org>>. Dr. Semsar, the Director of the International Center for Qanats and historical hydraulic structures introduced the center and organization of the International Conference on "*Traditional Knowledge for Water Resources Management (TKWRM)*". The Chair encouraged all the members to present their papers in the conference.

- **Water history documentary films**

During the WG meeting this topic was discussed again and Chair informed that IRNCID collected several documentaries on Water and Water history in Iran and they will be delivered to the Central office and encouraged the other national committees to follow suit. VP Dr. Hayde will send a link to water related films available with UNESCO.

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**WORKING GROUP ON HISTORY OF IRRIGATION,  
DRAINAGE AND FLOOD CONTROL (WG-HIST)**

**Ideas on the format of case studies for the WG book  
titled "Historical Water Sustainability"**

Each case study / example should be no longer than 5 pages of text. Graphs, pictures and maps will be additional to this text. The editors will review and choose the case studies as appropriate. In the best case studies could be on schemes which have been in action for more than 100 years. If space runs shorter, please discuss this with the editors.

Every case study should have:

- **Introduction** (1/2 page text)

The introduction should focus on the region, climate, topography, water (rainfall, evaporation.g.as a graph over the years), soil (if it is important) etc. This is often necessary for understanding the historic structures and the solutions, especially when the readers are not familiar with the region.

- **Description of the Scheme (structure)** (4 pages text)

General overview and important details of the structure should be presented. The main and secondary objectives, construction, operation and management should be discussed:

- Are there major changes / adoptions during the lifetime?
  - How long was the structure in function?
  - Is it a typical structure among others?
  - If the structure is not in operation now, please explain the reasons (failure, mismanagement, social or climate changes).
  - What is the situation now, what are the existing gaps of knowledge?
  - Why this structure was(is) an example for sustainability? (1/2 page text)
  - Why is the structure considered to be sustainable / or more sustainable?
  - What can we learn from this structure?
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Minutes of the Third Meeting of the  
**WORKING GROUP ON ENVIRONMENT (WG-ENV)**  
 Tehran, Iran  
 16 October 2011: 09.00-12.30 hours  
*Strategy Theme: Basin*

**Year of Establishment: 2008**

**Completion of the Mandate: 2014**

**Mandate:** To provide guidance to policy makers, planners, designers, and managers in the irrigation and drainage sector on the environmental aspects of drainage and irrigation systems. The environmental aspects are physical, chemical, ecological, socio-economic and cultural, as well as concerns to the effects on climate and human health. By looking at environmental aspects, the working group will aim for the management of a sustainable environment, maximizing positive and minimizing adverse effects of irrigation and drainage systems”.

**Members Present:** (1) Prof. Hu Heping, Chairman, 2005 (China, 2000); (2) Dr. Sylvain-Roger Perret, Vice Chairman, 2010 (France, 2009); (3) Dr. Michael van der Laan, Secretary (South Africa, 2010); (4) Prof. Yih-Chi Tan (Chinese Taipei, 1995) represented by Ray-Shyan Wu; (5) Dr. Shaden Abdel Gawad (Egypt, 1996); (6) Mr. Mohammad Kazem Siah (Iran, 2000); (7) Mr. Osmo Antero Purhonen (Finland, 2002); (8) Dr. Choi, Joong-Dae (Korea, 2003); (9) VPH Dr. Jose A. Ortiz Fdz.-Urrutia (Spain, 2005); (10) Prof. Dr. N. Hacho (Japan, 2006); (11) Mr. Clarke Ballard (Australia, 2010).

**Members Honoraire Present:** (1) Dr. Hussein El-Atfy, Vice President Hon., ICID (Egypt); (2) Dr. Samia El-Guindy, Vice President, ICID (Egypt).

**Observers:** (1) Tian Fuqiang (China); (2) Avinash C. Tyagi (WMO); (3) Mukhlis Zainol Abidin (Malaysia); (4) Khodjet-Kesba Omar; (5) Moussa Amadou (ARID); (6) Anna Tedeschi; (7) Graziano Ghinassi (Italy); (8) Mr. Ahmed M. Aziz (Iraq); (9) Azita Ramezani (Iran); (10) Yi-Fong Ho (Taiwan); (11) Sheng-Hsein Hsieh (Taiwan); (12) Kuan-Pei Lin (Taiwan); (13) Ying-Chien Lo; (14) Mohammad Sadegh Jafari; (15) Esmail Jarbbari (Iran); (16) Nader Alizadeh (Iran); (17) Hyun-Tai, Kim (Korea); (18) Parush Bahrehdar (Iran); (19) Abang Emir Faridz (Indonesia); (20) Ping Chen (Taiwan); (21) Sabine Walser (Germany); (22) K.Y. Reddy (India); (23) Pao-Shon Yu (Taiwan); (24) Ian W. Makin (ADB); (25) Mohd Yazid Abdullah (Malaysia); (26) Adama Sangare (Mali).

**Website:** <<http://www.wg-env.icidonline.org>>

*The following members sent apologies for not being able to attend the meeting but still shown interest in continuing as active members of WG-ENV:*

- Prof. Yih Chi Tan (Chinese Taipei, 1995), represented by Prof. R.S. Wu
- Mr. Taner Kimence (Turkey, 2006)

**Item 1 : Confirmation of the minutes of 2nd meeting of the WG-ENV**

The minutes of the second meeting of the WG-ENV held in Yogyakarta were confirmed.

**Item 2 : Membership of the Working Group**

**2.1 New nomination**

Italian Committee nominated Dr. Anna Tedeschi in place of Mr. S. Salbitani. Dr. Tedeschi (Italy). Dr Tedeschi was confirmed as a new member of WG-ENV.

## 2.2 Past nominations

Mr. Ahmed M. Aziz had been nominated as the Iraqi representative by Iraq National Committee in 2010. This nomination was not considered last year since Mr. Aziz did not attend the 2<sup>nd</sup> meeting in Yogyakarta. Mr. Aziz (Iraq), however, was present during this meeting and his nomination was confirmed as a new member of WG-ENV.

Mr Javeed Iqbal Bokhary had been nominated as the Pakistani representative by Pakistan National Committee in 2010. Since Mr. Bokhary did not attend the second and third meeting, his nomination was deferred. WG-ENV requests ICID Central Office to invite fresh nomination from Pakistan National Committee.

## 2.3 Non-attendance or contribution of WG members

The following members neither attended meetings nor contributed to WG activities for four consecutive years:

- Dr. Smiljan Juvan (Slovenia),
- Prof. Almeida Fernandez (Portugal),
- Mr. Belguenani Hassane (Morocco),
- Prof. Dr Natha Hungspreug (Thailand).

WG-ENV requests ICID Central Office to invite fresh nomination from these National Committees.

The WG-ENV Chair acknowledged that it may be difficult for WG members to attend all meetings. Communication by many other means and ways is still possible and should be promoted in-between ICID meetings. It is reminded to members that a *LinkedIn group WG-ENV* has been set up in 2010 ([www.linkedin.com](http://www.linkedin.com)) and members are invited to register, and then participate to the forum. Vice-Chair proposed that effective communication and interaction could be achieved through regional ICID initiatives (e.g. Asian sub-WG-ENV). Dr. Gawad further suggested the use of virtual (remote hook-up) meetings between annual meetings and that smaller WG meetings could be organized around bigger international events in which several WG members are attending.

The Chair will e-mail the *LinkedIn group WG-ENV* registration procedure to all members.

## 2.4 Election of Chair and Vice Chair of the WG

Prof Hu Heping officially stepped down as Chair of the WG during the 3<sup>rd</sup> meeting. He however would continue to be a member of the WG.. Dr Sylvain-Roger Perret (Vice-Chair, France, 2009) has been elected as the new Chair. Prof Dr Nobumasa Hatcho (Japan, 2006) has been elected as the new Vice-Chair in place of Dr Perret. Dr Michael van der Laan retains his position as Secretary for the WG.

Prof Hu will continue to be a member of the WG.

The new Chair acknowledged and thanked Prof. Hu Heping (China, 2000), who chaired the WG-ENV since 2005, for his efforts and for the work done during his tenure. He hopes that Prof. Hu will continue to contribute actively to the WG, as a member.

The Chair thanked the Secretary for his firm support and congratulated Prof Hatcho for being elected as the new Vice-Chair.

The renewed WG-ENV committed itself to set up a work plan for remaining years (2012-2014) and to comply with the stated mandate of the WG. The Chair insisted that this can be achieved only with active contributions by all members. Also, interactions and collaborative activities with other WG will be considered.

## A. CONTINUING ITEMS

The Chair reminded members that the WG has a mandate positioned at Basin level, as an ICID strategy theme.

The Chair also reminded the WG of its mandate, which encompasses all facets and aspects of the environment, i.e. physical, chemical, ecological, socio-economic and cultural, as well as concerns to the effects on climate and human health. Sustainability, through maximizing positive and minimizing adverse effects of irrigation and drainage systems, is also included.

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With this context, certain topics of interest have been placed on the agenda over the past years for attention by the WG (Items 3-6), with no tangible action or deliverables planned or achieved so far. Also, it was clear that many dimensions of the WG mandate have been overlooked so far.

Decisions are urgently needed in terms of selection, then possibly of actions to be undertaken regarding these topics. A systematic item screening has been carried out.

**Item 3 : The improvement of agricultural return flow and requirement of environmental flow**

WG-ENV has not addressed this issue so far. Overall, members recognized it as being very important.

Mr. Purhonen (Finland) highlighted that the issue of quality in addition to quantity was vital when considering return flows.

Mr. Ballard (Australia) suggested, via questionnaire feedback by Secretary (see Item 8), that a workshop on Agricultural Return Flows (RF) and Minimum Environmental Flows (EF) be organized during the next ICID meeting in Adelaide, Australia in 2012, and that the Murray-Darling Basin could be used as one of the case studies.

Dr Samia El-Guindy (observer, Egypt) suggested that such a workshop be organized jointly with WG-PQW (Use of Poor Quality Water for Irrigation), since both WGs address environmental issues related to water quality and quantity, at farm and basin level respectively, considering both input (inflow) and output (outflow) waters.

A one-day workshop (possibly more, if needed, after consultation with WG-PQW) should be organized during the ICID meeting in Adelaide, Australia, in June 2012, jointly with WG-PQW. All members concurred with the idea of organizing a workshop on EF / RF in Adelaide 2012.

From WG-ENV mandate and interests, sub topics could provisionally be:

- Definition of EF and assessment of EF requirements in context of off-stream / in-stream multiple uses
- Impacts of implementing EF on irrigation: extraction vs. conservation
- Irrigation return flows: quantitative and qualitative aspects, contribution to EF
- Country or basin case studies on EF policy and implementation
- Water quality in return flow: standards, regulations, monitoring systems
- Ecosystem services provided by irrigation and drainage systems: case studies

Consultation and coordination with WG-PQW will continue in coming months (Nov - Dec 2011) in order to finalize the agenda. Contributions by WG-ENV members will be solicited via email and LinkedIn forum. The WG members further observed the following:

- Final sub-topics and agenda should be finalized and circulated to ICID Central Office by November 15, 2011.
- Presentations may include research papers, policy analysis and case studies.
- The workshop will be open to all. WG-ENV members are invited to contribute.
- Willing presenters will have to submit a 500-word abstract by December 15, 2011.

Options for publication of the workshop proceedings will be discussed at a later stage. A WG publication on "Irrigation and Drainage Systems in a Multifaceted Environment: Interactions and Cross-Impacts" including selected full papers presented at the workshop may be considered, as a concrete output of WG-ENV.

**Item 4 : Environmental aspects of irrigation and drainage projects**

**Item 6 : Management of a sustainable environment (maximizing positive and minimizing adverse effects of irrigation and drainage systems)**

The two items were examined together.

The Chair and Vice-Chair suggested Life Cycle approaches (LC inventory, LCI, LC impact assessment, LCIA) as effective means of studying the potential impacts of irrigation systems, equipment, activities on the environment,

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from a regional / basin perspective. LCI / LCIA approaches receive growing interest globally, for their potential towards process / product labeling, environmental foot-printing, assessment of diverse regional and global impact categories (climate change, eutrophication, acidification, resource depletion, energy use, biodiversity loss, etc.). WG-ENV could form a platform towards LCA awareness and use in irrigation and drainage community at global level.

The Chair had presented an introduction to Application of LCA to Irrigation System during 2<sup>nd</sup> meeting in Yogyakarta, 2010. Members were invited to refer to the website for more information <<http://www.wg-env.icidonline.org>>

Both Chair and Vice-Chair are currently using LC approaches applied to paddy fields in Thailand and Japan respectively. The Chair has also similar activities in irrigated cotton in Pakistan.

The Secretary also expressed interest for potential application in irrigated Sugarcane in South Africa.

Dr. Choi Joong-Dae suggested that other integrated approaches for environmental impact assessment of irrigation be investigated / presented to WG members. He mentioned Total Maximum Daily Load –TMLD- as one example. Dr. Anna Tedeschi concurred that there exist many possible approaches.

No other idea for collective action towards potential deliverables on items 4 and 6 came out of the discussion.

The Chair reminded WG members of the Basin scope of the WG mandate, and also that WG mandate cannot merely consist in reporting established research and disseminating already published material, but should rather focus on investigating novel approaches.

Although many WG-ENV members are still unsure of the potential and benefits of the LC approach, it is decided to set up a WG Task Force on “LC Approaches (LCA) Applied to Irrigation and Drainage Systems “. The Chair, Vice-Chair, and Secretary of WG-ENV form the task force; any interested member may join the TF.

Task Force activities will consist in:

- Document and information sharing between LCA task force and WG members; especially background documents will be disseminated to WG members; the Chair will compile recent literature on LCA application in irrigation and drainage and circulate it to members via emails and website postings (December 2011),
- 3-4 presentations will be made by task force members during next 4<sup>th</sup> WG meeting in Adelaide, 2012, on LCA (June 2012),
- A WG report on “LC Approaches Applied to Irrigation and Drainage Systems” will be compiled, including literature review and list, and papers of presentations made at Adelaide meeting (timeframe and final contents to be decided in June 2012).

Communication will be extended to WG-Climate since LCA provides information onto GHG emissions and climate change potential of studied systems.

Dr. Choi Joong-Dae, Dr. Tedeschi and any willing member are invited to circulate relevant background material regarding other approaches to (integrated) environmental assessment of irrigation and drainage systems.

#### **Item 5 : Impacts of irrigation and drainage projects on human health**

While the importance of this issue was fully recognized by WG members, it will not be a priority issue for the group in the short-term, under limited time before mandate completion and the need to focus energies on specific issues. There exist many reports and documents on the topic. If interested, a Work Team could be established to work on this topic. In the meantime, the Chair will identify relevant background material or website on “Irrigation Systems and Human Health” and disseminate the information to WG members.

#### **Item 7 : Website of WG-ENV**

The Secretary has revamped the site and placed presentations of the WG’s workshop held in Indonesia (2010) on the website. The Chair thanked him and requested to continue to be the WG’s website manager. Members were invited to use the website as a communication medium and mean to share documents. Mr. Purhonen (Finland) requested that an email be circulated when important content is added to the website. The Secretary encouraged

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members to provide references of their recent outputs on the website to inform other members of their research interests and areas of expertise.

The Secretary remains the WG's website manager; e-mail alerts will be sent to members when new material is posted.

**Item 8 : WG-ENV members' questionnaire**

The Secretary gave a brief overview of the results of the questionnaire sent to members earlier in 2011, including results from a previous similar questionnaire sent in 2009. It was noted that results were well aligned with the WG's discussions and decisions regarding activities and work plan (items 3 to 6).

During the meeting, Mr.Ahmad Aziz (Iraq) requested information on the use of international vs. national guidelines, standards and norms in environmental assessment. The Chair responded that this was an important question that the WG could help answer. If interested, a Work Team could be established to work on this topic. In the meantime, the Chair will identify relevant background material or website on "Environmental Standards and Norms" and disseminate the information to WG members.

In the questionnaire, several members expressed the view that the WG-ENV should spend more time on technical discussions and less on administration. The Chair suggested that from now on, WG-ENV meetings should allocate a maximum of half of its time to administrative matters. Also, members were invited to submit ideas of short country presentations that could be presented during meetings. Yet again, remote communication on technical matters between members should be promoted and strengthened in between meetings (items 2.3 and 7).

**Item 9 : ICID position paper**

The Chair reminded members that a position paper is an important and official ICID document that must be carefully designed and developed. It will end up as a statement, a prescription made by ICID towards the international community regarding a topic, a methodology, a technology. Prof Wu also insisted that a position paper results from a collective effort, as an outcome that no single individual may achieve alone. Further, Mr. Ballard and the Chair expressed reservations on the capacity of WG-ENV to identify, develop and finalize an ICID-PP under its mandate with the limited time left before mandate completion. No suggestions for a position paper emerged from discussion. The idea of an ICID position paper by WG-ENV is dropped for the time being.

**Item 10 : Work plan of the WG**

It is agreed that the work plan will actually include the activities described and listed under items 3 to 8 (workshop in Adelaide, LCA presentations and report, circulation of documents on different topics).

The WG-ENV will circulate a draft work plan including allocation of tasks, among members by e-mail in November 2011, before finalizing the WG's work plan before the end of 2011.

**B. NEW ITEMS**

**Item 11 : Freshwater Ecosystem Monitoring Working Group**

It was acknowledged that there could be some overlap between the activities of this new WG and those of the WG-ENV, especially since WG-ENV will start working on LCA. The Chair recommended that to ensure there is no duplication of efforts among ICID WGs, it is important for WG-ENV members to attend other WG's meetings and familiarize themselves with the activities of these groups and facilitate collaboration where appropriate. Activities by WG-Climate and WG-PQW are also potentially of great interest.

**Item 12 : Invitation to join LinkedIn group**

The issue has been addressed under Item 2 / 2.3.

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**Item 13 : Any other business**

WG-ENV members are warmly invited to participate to the next meeting of the WG in June 2012 at Adelaide, Australia.

The following two conferences were also brought to the WG-ENV's attention:

- The International Conference on Sustainable Irrigation, Australia, 11-13 December 2011
  - ICID African Regional Meeting, Mali, 29 November-3 December 2011
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Minutes of the Twenty-ninth Meeting of the  
**WORKING GROUP ON DRAINAGE (WG-DRG)**  
 Tehran, Iran  
 16 October 2011: 09.00-12.30 hours  
*Strategy Theme: Systems*

Year of Establishment: 1983

Completion of the Mandate: 2013

**Mandate:**

- To promote drainage as part of integrated water resources management; and
- To promote sustainable approaches for drainage and related projects through a balanced integration of (1) environmental, (2) economic, and (3) social and cultural aspects.

**Members Present:** (1) Mr. B. Vincent, Secretary (France, 2007); (2) VPH Dr. M.H. Amer (Egypt, 1988); (3) PH Ir. Keizrul bin Abdullah (Malaysia, 1994) represented by Loh Kim Mon; (4) Dr. Chung Sang-Ok (Korea, 1996); (5) Mr. Chen, Hung-Kwai (Chinese Taipei, 1997) represented by Jan Ming-Young; (6) Mr. Rauno Peltomaa (Finland, 2002) represented by Jaakko Sierla; (7) Mr. AT van Coller (South Africa, 2006) represented by Dr. Gerhard Backeberg; (8) VP Dr. Shinsuke Ota (Japan, 2006); (9) Dr. Yurii Yanko (Russia, 2006); (10) Mr. Mati Tonismae (Estonia, 2010).

**Apology:** VPH Prof. Dr. B. Maticic (Slovenia)

**Permanent Observers:** PH Prof. dr. Bart Schultz (Netherlands).

**Members Honoraire Present:** (1) Mr. Felix Reinders, Vice President Hon., ICID (South Africa); (2) Prof. Peter Kovalenko, Vice President Hon., ICID (Ukraine); (3) Dr. Hussein El-Atfy, Vice President Hon., ICID (Egypt); (4) Dr. Samia El-Guindy, Vice President, ICID (Egypt).

**Observers:** (1) Ms. Zhaleh Vaziri (Iran); (2) Ramzaan Yucel (Turkey); (3) Mr. Ahmed Seren (Turkey); (4) Dr. Momon Sodik Imanudin (Indonesia); (5) Walled K. Shallash; (6) Thayer D. Abbas; (7) Khalid Aassim Othoman; (8) Jin-Yong Choi (Korea); (9) Dr. (Mrs). Irina Bondarik (Russia); (10) Mojtaba Akram (Iran); (11) Mr. Mohd Amin Mohd Soom (Malaysia); (12) Takanori Nagano (Japan); (13) Budi Wignyosukarto (Indonesia); (14) Chan Chee Sheng (Malaysia); (15) Mr. Kundius Vladimir (Russia); (16) Kundius Valentina (Russia); (17) Abdul Ridha Mistah (Iraq); (18) Mr. Basil Irhayyim (Iraq); (19) Mr. Kadhim Chaloob (Iraq); (20) Om-Math Verta (Finland); (21) Sun Ju An (Korea); (22) Jano Anter; (23) SH Park (Korea); (24) Kim Hyun-Tai (Korea).

**Website:** <<http://wg-drg.icidonline.org>>

**Time schedule of the meeting:**

Chairman W.F. Vlotman could not be present at the meeting due to his late arrival at Tehran because of delayed flight. The Secretary of the group Mr. Bernard Vincent therefore acted as Chairman for the Tehran meeting. He was assisted by Ms Honeyeh Kazemy from IRNCID who volunteered as the Secretary for the meeting.

At the outset, the time allocation for discussing of the Group's agenda was proposed as follows:

A. General business	30 minutes
B. Work plan	90 minutes
Tea/ coffee break	30 minutes
C. Presentations/ Workshop / Summary	60 minutes

## A. GENERAL BUSINESS

### Item 1 : Confirmation of the minutes of the 28th meeting of the Working Group

The minutes of the 28th meeting of the Working Group held at Yogyakarta in October 2010 were confirmed.

### Item 2 : To review the membership of the Working Group

The Iranian National Committee (IRNCID) nominated Mr. Ardavan Azari in place of Dr. M. Bybordi for the membership of the Working Group. CV of Mr. Ardavan Azari was tabled at the meeting. The group considered and accepted the replacement for the membership.

The Finnish National Committee (FINCID) nominated Ms Helena Aijo in place of Mr. Rauno Peltomaa. Ms Aijo was not present but was represented by Mr. Jaakko Sierla who confirmed interest of Ms Aijo to become member. Emeritus Chairman Prof B. Schultz brought to the notice that attendance is not a condition to reject the candidature for the membership. So the group considered and accepted Ms. Aijo as the replacement for membership.

The Malaysian National Committee (MANCID) nominated Dr. Loh Kim Mon in place of PH Keizrul Bin Abdullah. The Indonesian National Committee (INACID) nominated Dr. Momon Sodik Imanudin as new member. Since the nomination applications were not available, Central Office was requested to check the with the respective national committees.

## B. WORK PLAN

### Item 3 : Activities of the Working Group

#### 3.1 Technologies for reducing polluted drainage water and quality improvement

M. Akram, Chairman, WG on Drainage and Environment (IRNCID) made two presentations at the meeting viz. (i) Drainage in Iran – a country paper; and (ii) Disposal problems of drainage water in southern Iran.

#### 3.2 Updating database on 'Drained area in the world'

At Yogyakarta, the group discussed about the updating database on 'drained area in the world'. The group also proposed that the data requires validation from the respective National Committee.

Subsequently, the Central Office circulated the datasheet "World drained area" to all National Committees and requested them to confirm the data/ amend and provide the updated data pertaining to their country by inserting correction in the table itself. In response, the Central Office received responses from the National Committees of Brazil, Czech Rep., France, Japan, Jordan, and Pakistan. The updated datasheet is given as **Annex 1**. The difficulty to get data related to drainage is highlighted under item 5.

### Item 4 : Workshops/ Special Sessions sponsored by the Working Group

#### 4.1 11th and 12th International Drainage Workshops (IDW)

The 11th International Drainage Workshop (IDW) will be hosted by the Egyptian National Committee (ENCID) in Cairo from 23-27 September 2012. The main theme of the 11th IDW is "*Agricultural Drainage Needs and Future Priorities*" under which six topics and 27 subtopics will be addressed. The first Announcement & Call for Papers of the 11th IDW has been issued and widely circulated amongst ICID National Committees and International Organizations for further dissemination amongst potential participants. The second announcement circulated during the Tehran meeting. All members were requested to widely broadcast amongst interested professionals outside the ICID network. The last date for receipt of abstracts of paper(s) at the workshop secretariat was **01 December 2011**. The workshop website <<http://www.encid.org.eg/idw11>> provides more details on topic/sub-topics, call for papers, venue, exhibition, study tours, etc. A draft listing of topics and sub-topics is shown as **Annex 2**, and on which there had been some comments, mainly linked to the lack of fashioned keywords that may be attractive to European authors (water quality, mitigation).

VPH Prof. Dr. M.H. Amer, Chairman, ENCID invited the international drainage community to join ENCID at this exciting event presenting the challenges, needs and solutions while assuring an enjoyable stay in Egypt.

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RUCID representative made a brief presentation about the proposed theme, topics and subtopics and other preliminary preparations for the 12<sup>th</sup> IDW planned to be held in Russia in 2014.

It was also decided that ASABE will be approached to examine possibility for a common event at one of these dates. Mr. Vincent was to explore the possibility of common event at one of the two events viz. 11th or 12th IDW. The "North Africa spring events" have postponed many things and there appears to be lack of time to organise a joint event. Also the issue was not evoked during the meeting.

#### **4.2 Annual Internal Workshop of the Group**

The Group has been organizing internal workshops on the sidelines of its annual meetings in which members voluntarily make presentations on the topic of their countries' interest.

The Iranian National Committee made a presentation on drainage (please see section C).

#### **Item 5 : Contribution to the website DRAINLINE/ LinkedIn Agricultural Drainage Group**

The website of the Working Group on Drainage (WG-DRG) 'DRAINLINE' is fully functional and all members are encouraged to access it <http://www.wg-drg.icidonline.org>.

Chairman VP Dr. Vlotman launched an 'Agricultural Drainage Group' via the LinkedIn and invited all members to register and join it. The LinkedIn Agricultural Drainage Group is a professional network and is open for discussion to all persons. Dr. S.A. Kulkarni, Executive Secretary, Central Office posted the 'World drained area' data table inviting all the members of the 'LinkedIn' to check/ provide the drained area of their country. However there was no response. This shows the non-availability and complexity in reporting the drained area. The WG discussed ways and means to proceed further as follows:

Considering that the first version of the database has been developed on the basis of an appointed student work who could contact directly the right persons, it has been decided of a similar approach based on the voluntary work of members (See Table). Volunteers would be made in-charge of a region and will address the right contact persons of the neighboring countries so as to obtain a response, positive or negative. The task is to know if the collected data are valid and to return a positive response if yes, or obtain the correct value if not.

**Table: List of volunteers and geographical zones**

Jakko Sierla/Helena Aijo	Scandinavian countries
Mati Tonismae	Baltic counties
Irena Bondarik/Yurii Yanko	Russia
Bernard Vincent	South Europe and East Europe ; Maghreb
Victor Dukhovny	NIS
Ardavan Azari	Middle East
Loh Kim Mon	Asia
Gerhard Backeberg / AT van Coller	South Africa and neighbors as north as they can do
James Ayars (not present)	North America (and towards south as far as he can do)

The group is well aware that the whole world is not covered, especially in central and south America. The methodology will be tested by the volunteers and further development will be carried out depending upon the results obtained.

#### **Item 6 : Compilation of experiences in bio-drainage and bio-saline agriculture**

The group at its Yogyakarta meeting discussed and debated about the presentations made by Indian National Committee (INCID) on 'Bio-drainage' at the New Delhi meeting in December 2009. It was suggested to invite observations/ comments on the topic of bio-drainage amongst the group members and proposed that INCID

representative will take the lead in this activity. During the Yogyakarta meeting, it was also proposed that INCID prepare a detailed plan of action and circulate it amongst WG-DRG members for their comments.

Central Office has been following up with the INCID to get their feedback.

Considering the importance of this non-conventional modality of drainage in Middle East and Asia, it has been decided to keep this compilation as an important activity of the WG.

### **C. PRESENTATIONS/WORKSHOP/SUMMARY**

#### **Item 7 : Presentations from members/ member countries**

Traditionally the host country makes presentation on some special aspects related to drainage. This year, the Chairman requested IRNCID to make such a presentation.

Dr. Mojtaba Akram (IRNCID) made a presentation entitled 'Disposal problems of drainage water in southern Iran'. The presentation dealt with research, technical concerns and had appreciable environmental issues like wetland protection and nitrogen loss control. Presentation created a lot of interest among audience. There were many questions from the floor to which Speaker responded satisfactorily. President Hon. B. Schultz, Chief Editor of 'Irrigation and Drainage' Journal, recommended the paper for publication in the Journal.

#### **Item 8 : General discussion and summary of the meeting**

The Pakistan National Committee (PANCID) forwarded the progress report of 'PANCID sub-committee on Drainage' compiled by Dr. Muhammad Mahboob Alam, Director General, IWASRI.

The Secretary summarized the key highlights of the meeting and urged all to attend 11<sup>th</sup> IDW at Cairo. The meeting was closed at 12.30 hours.

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**WORKING GROUP ON DRAINAGE (WG-DRG)****World Drained Area – Regionwise**

Sl. No.	Country	Arable land and permanent crops (million ha)	Total drained area (million ha)	% drained area	Reference year
<b>AFRICA</b>					
1	Algeria	8.42	0.06	0.71	1999 <sup>2</sup>
2	<b>Egypt*</b>	3.54	3.02	85.31	1998 <sup>2</sup>
3	<b>Ethiopia</b>	14.51	0.03	0.21	1987 <sup>2</sup>
4	Kenya	5.8	0.03	0.52	2003 <sup>2</sup>
5	Libya	2.05	0.01	0.49	2000 <sup>2</sup>
6	Madagascar	3.55	0.11	3.10	2000 <sup>2</sup>
7	<b>Morocco</b>	8.98	0.65	7.24	2004 <sup>2</sup>
8	Rwanda	1.57	0.09	5.73	2000 <sup>2</sup>
9	<b>South Africa</b>	19.28	0.08	0.41	2007 <sup>1</sup>
10	Sudan	20.91	0.56	2.68	2000 <sup>2</sup>
11	Tunisia	5.04	0.2	3.97	2000 <sup>2</sup>
	<b>Sub-Total</b>	<b>93.65</b>	<b>4.84</b>	<b>5.17</b>	
<b>AMERICAS</b>					
12	Argentina	33.0	0.13	0.40	2002 <sup>2</sup>
13	Bolivia	3.82	0.02	0.52	2000 <sup>2</sup>
14	<b>Brazil</b>	66.9	1.08	1.61	2006 <sup>1</sup>
15	<b>Canada</b>	67.5	9.46	14.01	2002 <sup>2</sup>
16	<b>Chile</b>	0.78	0.035	4.49	2006 <sup>1</sup>
17	Colombia	3.46	0.23	6.65	1989 <sup>2</sup>
18	Costa Rica	0.5	0.04	8.00	1999 <sup>2</sup>
19	Cuba	3.97	0.33	8.31	1997 <sup>2</sup>
20	Dominican Rep.	1.30	0.03	2.31	2000 <sup>2</sup>
21	Ecuador	2.50	0.05	2.0	1998 <sup>2</sup>
22	El Salvador	0.92	0.01	1.09	1997 <sup>2</sup>
23	<b>Guyana</b>	0.45	0.15	33.33	1991 <sup>2</sup>
24	Honduras	1.43	0.06	4.20	1991 <sup>2</sup>
25	<b>Mexico</b>	27.50	5.2	18.91	1997 <sup>2</sup>
26	Paraguay	4.3	0.01	0.23	2000 <sup>2</sup>
27	Peru	4.44	0.08	1.80	2000 <sup>2</sup>
28	Puerto Rico	0.1	0.02	20.00	2000 <sup>2</sup>
29	Surinam	0.06	0.05	83.33	1998 <sup>2</sup>
30	<b>USA</b>	173.2	47.5	27.42	1987 <sup>2</sup>
31	Venezuela	3.35	0.31	9.25	2002 <sup>2</sup>
	<b>Sub-Total</b>	<b>399.48</b>	<b>64.80</b>	<b>16.22</b>	

Sl. No.	Country	Arable land and permanent crops (million ha)	Total drained area (million ha)	% drained area	Reference year
<b>ASIA</b>					
32	<b>Afghanistan</b>	7.91	0.01	0.13	2000 <sup>2</sup>
33	<b>Australia</b>	44.37	2.17	4.89	2002 <sup>2</sup>
34	Azerbaijan	2.09	0.6	28.71	1995 <sup>2</sup>
35	<b>Bangladesh</b>	8.70	1.5	17.24	1993 <sup>2</sup>
36	<b>China</b>	130.03	21.14	16.26	2008 <sup>1</sup>
37	<b>Chinese Taipei</b>	0.83	0.12	14.46	2009 <sup>1</sup>
38	<b>Fiji Island</b>	0.25	0.01	4.00	2000 <sup>2</sup>
39	Georgia	0.58	0.16	27.59	1996 <sup>2</sup>
40	<b>India</b>	169.32	5.8	3.43	1991 <sup>2</sup>
41	<b>Indonesia</b>	37.10	3.35	9.03	1990 <sup>2</sup>
42	<b>Iran</b>	18.55	0.19	1.02	2009 <sup>1</sup>
43	<b>Iraq</b>	5.45	1.54	28.26	2002 <sup>2</sup>
44	<b>Israel</b>	0.38	0.1	26.32	1987 <sup>2</sup>
45	<b>Japan</b>	4.59	3.52	76.69	2010 <sup>1</sup>
46	<b>Jordan</b>	0.15	0.01	6.67	2008 <sup>3</sup>
47	<b>Kazakhstan</b>	22.8	0.43	1.89	1993 <sup>2</sup>
48	<b>Korea Rep.</b>	1.82	1.15	63.19	2007 <sup>1</sup>
49	<b>Kyrgyzstan</b>	1.35	0.15	11.11	1990 <sup>2</sup>
50	Lebanon	0.29	0.01	3.45	2001 <sup>2</sup>
51	<b>Malaysia</b>	9.5	6.0	63.16	2009 <sup>1</sup>
52	Mongolia	0.85	1.5	176.47	2000 <sup>2</sup>
53	<b>Myanmar</b>	11.70	0.19	1.62	1994 <sup>2</sup>
54	<b>Nepal</b>	2.47	0.09	3.64	2000 <sup>2</sup>
55	<b>Pakistan</b>	23.80	7.54	31.70	2009 <sup>1</sup>
56	<b>Philippines</b>	9.16	2.72	29.69	2008 <sup>1</sup>
57	<b>Saudi Arabia</b>	3.68	0.04	1.09	1992 <sup>2</sup>
58	<b>Sri Lanka</b>	2.20	0.03	1.36	1967 <sup>2</sup>
59	<b>Syria</b>	5.68	0.27	4.75	1993 <sup>2</sup>
60	Tajikistan	0.87	0.33	37.93	1994 <sup>2</sup>
61	<b>Thailand</b>	18.85	0.16	0.85	1997 <sup>2</sup>
62	<b>Turkey</b>	26.01	3.04	11.69	2009 <sup>1</sup>
63	Turkmenistan	1.92	1.02	53.13	1995 <sup>2</sup>
64	<b>Uzbekistan</b>	4.62	2.84	61.47	1994 <sup>2</sup>
65	Viet Nam	9.42	1.0	10.62	1994 <sup>2</sup>
66	Yemen	1.61	1.5	93.17	2000 <sup>2</sup>
	<b>Sub-Total</b>	<b>588.90</b>	<b>70.23</b>	<b>11.93</b>	

Sl. No.	Country	Arable land and permanent crops (million ha)	Total drained area (million ha)	% drained area	Reference year
<b>EUROPE</b>					
67	Albania	0.7	0.28	40.00	1999 <sup>2</sup>
68	<b>Austria</b>	1.44	0.2	13.89	1997 <sup>2</sup>
69	Belarus	5.64	3.0	53.19	1993 <sup>2</sup>
70	Belgium	0.87	0.07	8.05	1996 <sup>2</sup>
71	Bulgaria	3.25	0.08	2.46	2000 <sup>2</sup>
72	<b>Croatia</b>	0.95	0.76	80.00	1990 <sup>2</sup>
73	<b>Cyprus</b>	0.11	0.02	18.18	2000 <sup>2</sup>
74	<b>Czech Rep.</b>	3.26	1.07	32.82	2011 <sup>1</sup>
75	Denmark	2.41	1.44	59.75	1993 <sup>2</sup>
76	<b>Estonia</b>	1.32	1.32	100.00	2010 <sup>1</sup>
77	<b>Finland</b>	2.26	2.5	110.62	2008 <sup>1</sup>
78	<b>France</b>	19.33	3.00	15.52	2011 <sup>1</sup>
79	<b>Germany</b>	12.13	4.9	40.40	1993 <sup>2</sup>
80	<b>Greece</b>	3.23	0.52	16.10	2002 <sup>2</sup>
81	<b>Hungary</b>	4.8	2.3	47.92	2003 <sup>1</sup>
82	<b>Ireland<sup>4</sup></b>	1.06	0.254	23.96	2010 <sup>1</sup>
83	<b>Italy</b>	13.2	5.3	40.15	2005 <sup>1</sup>
84	Latvia	1.18	1.58	133.90	1995 <sup>2</sup>
85	<b>Lithuania<sup>5</sup></b>	2.68	2.58	96.27	2011 <sup>1</sup>
86	<b>Netherlands<sup>6</sup></b>	1.09	3.0	275.23	2010 <sup>1</sup>
87	Poland	12.97	4.21	32.46	1999 <sup>2</sup>
88	<b>Portugal</b>	1.64	0.04	2.44	2002 <sup>2</sup>
89	<b>Romania</b>	9.85	1.83	18.58	2008 <sup>1</sup>
90	<b>Russia</b>	192.6	4.78	2.48	2007 <sup>1</sup>
91	Serbia & Montenegro	3.72	0.4	10.75	2000 <sup>2</sup>
92	Slovak Republic	1.41	0.6	42.55	1997 <sup>2</sup>
93	<b>Slovenia</b>	0.2	0.08	40.00	2007 <sup>1</sup>
94	<b>Spain</b>	26.30	0.3	1.14	1994 <sup>2</sup>
95	Sweden	2.64	1.1	41.67	1996 <sup>2</sup>
96	<b>Switzerland</b>	0.43	0.16	37.21	2002 <sup>2</sup>
97	<b>UK</b>	6.05	4.65	76.86	1996 <sup>2</sup>
98	<b>Ukraine</b>	33.5	2.8	8.36	2009 <sup>1</sup>
	<b>Sub-Total</b>	<b>372.22</b>	<b>55.12</b>	<b>14.81</b>	

Summary				
Sl. No.	Region	Arable land and permanent crops (million ha)	Total drained area (million ha)	% drained area
1	Africa	93.65	4.84	5.17
2	Americas	399.48	64.80	16.22
3	Asia	588.90	70.23	11.93
4	Europe	372.22	55.12	14.81
	<b>Total (98 countries)</b>	1454.25	194.99	13.41
	<b>World</b>	<b>1526.76</b>	<b>202.9</b>	<b>13.29</b>

\*Countries shown in bold are active members of ICID

**Notes:**

- 1 ICID data (both for arable land and permanent crop (APC) and for drained areas)
- 2 Cemagref data (for drained area)
- 3 FAO data, 2008 (the APC area of other countries is used from <http://faostat.fao.org/site/377/DesktopDefault.aspx?PageID=377#ancor>)
- 4 The total drained area in Ireland is 0.254 million ha, the total utilised agricultural area is 4.02 million ha. Apart from a very small area of Ireland that is irrigated on a commercial basis for crop production there are no major irrigation schemes in Ireland. Suggested figure for irrigated area in Ireland is 10,000 hectares. Source: Dr. Oliver Nicholson, Chairman, Irish National Committee on Irrigation and Drainage (IRCID), 28 June 2010
- 5 Statistics referred as "arable land" in Lithuanian registry as per 01.01.2010. The drained area slightly decreased as some of the area excluded from registry since that area has been completely depreciated and drainage no more functioning. Source: Prof.dr. Antanas Maziliauskas, President of Lithuanian National Committee (LICID), 26 June 2010.
- 6 The fact that the drained area is more than the APC area is a matter of definition. In the Netherlands' case the drained area includes areas with other functions such as drainage of meadows and urban areas. Source: Dr. Pol (A.L.) Hakstege, Secretary/ Treasurer, Netherlands National Committee (NETHCID), 2 July 2010.

**WORKING GROUP ON DRAINAGE (WG-DRG)  
11<sup>th</sup> ICID International Drainage Workshop  
23-27 September 2012, Cairo, Egypt**

**Theme: Agricultural Drainage Needs and Future Priorities**

**Topics / Subtopics**

**1. Planning and Design of Drainage Systems**

- 1.1 Integrated planning approach in agricultural drainage
- 1.2 Improved design theories for drainage systems
- 1.3 Subsurface drainage design (applied models)
- 1.4 Development of subsurface drainage design software for large-scale installation
- 1.5 Use of GIS and remote sensing in planning and designing of drainage systems
- 1.6 Non-conventional drainage systems design (biological drainage, controlled drainage, closed basins).

**2. Improvement of Drainage Technology and Techniques**

- 2.1 Modernization of auxiliary structures (manholes, flushing columns, outlet structures)
- 2.2 Modernization and automation of drainage systems construction
- 2.3 Adaptation of new technologies in the field of drainage investigations and installation
- 2.4 Drain envelopes materials (needs, selection, design, manufacturing and construction)
- 2.5 Practical experience with non-conventional drainage systems (trenchless, biological, controlled drainage systems)
- 2.6 New technology for maintenance of drainage systems (pipe drains, open drains).

**3 Drainage Management**

- 3.1 Drainage flood management in rainfed areas
- 3.2 Drainage within the concept of integrated water resources management
- 3.3 Institutional aspects of drainage schemes implementation
- 3.4 Public-private partnership in drainage development and management
- 3.5 Sustainable development and modernization of land drainage management.

**4 Environmental Aspects and Climatic Change**

- 4.1 Impact of climatic change on drainage systems
- 4.2 Climatic change impacts on soil and water quality
- 4.3 Quantity of drainage water
- 4.4 Sea water level rise impact on deltaic areas
- 4.5 Monitoring and evaluation of climate change impact on agricultural drainage.

**5. Research Development and Capacity Building**

- 5.1 Innovations, technologies and best practices for increasing crops, land productivity and water saving
  - 5.2 Capacity development for modern drainage management
  - 5.3 Research agenda for future land drainage management
  - 5.4 Lessons learned from drainage projects (case studies) towards capacity building
  - 5.5 Capacity development and training for on-farm drainage
-

Minutes of the Second Meeting of the  
**TASK FORCE ON WATER FOR BIO-ENERGY AND FOOD (TF- BIO-ENERGY)**  
 Tehran, Iran  
 16 October 2011: 09:00 – 12:30 hours

**Year of Establishment: 2009**

**Terms of Reference:** Evolve "ICID's position on Water for Bio-Energy and Food"

**Members Present:** (1) Er. M. Gopalakrishnan, Secretary General, ICID (2) Mr. Sanjay Belsare (India, 2010)

**Observers:** (i) Mary Lou Smith (USA); (ii) Dr. Andrew Sanewe (South Africa); (iii) Mr. Karim Akmal (Uzbekistan); (iv) Mr. Ezzatollah Farhadi (Iran); (v) Dr. Suhas Wani (India); (vi) Dr. Vijay Labhsetwar (ICID) (vii) Mr. Andre Roux (South Africa); (viii) Dr. Gao Zhanyi (China); (ix) Mr. Noriyosi Konzo (Japan); (x) Mr. Mukhamedjanov Shukhzat (Uzbekistan); (xi) Mr. Balgabaev Murlan (Kazakhstan); (xii) Mr. Uttam Raj Timilsina (Nepal)

**Note:** The SG, ICID chaired the first part of the meeting in the absence of the Chair, Mr. Laurie Tollefson (Canada, 2010). Mr. Andre Roux (South Africa) was nominated as Vice Chair and took over the Chair from the SG.

**Item 1 : Confirmation of minutes of the 1<sup>st</sup> meeting of TF-BIO-ENERGY held at Yogyakarta, Indonesia**

The minutes could not be approved as none of the attendees in Yogyakarta were present.

**Item 2 : Review of membership of the Task Force**

ICID.UK nominated Mr. Simon Howarth for the membership of this TF, but his nomination could not be discussed as he was not present. Secretary General requested the attendees to volunteer to become members of Task Force and their names would then be submitted to their National Committees for ratification. The attendees who had shown interest were (i) Mr. Andre Roux (South Africa); (ii) Dr. Gao Zhanyi (China); (iii) Mr. Noriyosi Konzo (Japan); (iv) Mr. Mukhamedjanov Shukhzat (Uzbekistan); (v) Mr. Balgabaev Murlan (Kazakhstan); (vi) Mr. Uttam Raj Timilsina (Nepal).

**Item 3 : Terms of Reference**

The Terms of Reference of the Task Force was defined as follows:

Develop an ICID position paper on the topic taking into account:

- The possible conflict between food production and the production of bio-fuel crops
- The use of agricultural water to produce bio-fuel crops
- Rain-fed crops
- The use of non-food crops to produce bio-fuels
- The use of marginal water/soils for the production of bio-fuel crops
- The use of recycled water for the production of bio-fuel crops
- The contribution of the production of bio-fuel crops to the local/rural economy
- The technical requirements to ensure viable production of bio-fuel crops without government financial support
- The use of agricultural waste for the production of bio-fuel crops

**Item 4 : Presentations by country representatives**

It was decided that a recommendation would be made to the International Executive Council to have a workshop to discuss member country policies and developments during the 2012 Adelaide Conference.

The following countries committed to present their country policies and developments at the proposed workshop:

- India                      Dr. Sanjay Belsare
- China                      Dr. Gao Zhanyi (to find suitable presenter)
- South Africa              Dr. Andrew Sanewe / Mr. Andre Roux

To ensure a balanced viewpoint on the subject, it was decided that the following countries/regions should be approached to make a presentation:

- USA, Canada, Brazil, Europe and Central Asia

**Item 5 : Time frame for the Task Force**

The time frame for the compilation of the ICID position paper was agreed upon as follows:

- 2011      Discussions in Tehran, strengthen membership for the TF and arrange for presentations at the proposed 2012 Adelaide workshop
- 2012      Workshop during the Adelaide Conference (2012)
- 2013      Finalize the ICID position paper

**Item 6 : Any other business**

The meeting ended with thanks to the Chair.

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Minutes of the Second Meeting of the  
**TASK FORCE ON SEDIMENTATION OF RESERVOIRS (TF-SEDIMENTATION)**  
 Tehran, Iran  
 16 October 2011: 09:00-12:30 hours

**Year of Establishment: 2009**

**Terms of Reference:** To look into the aspects of Sedimentation of Reservoirs and to come up with recommendations for appropriate strategies.

**Members present:** None

**Observers:** (1) Mr. Kadhim; (2) Mr. Basil Irhagyim Mavzok (Iraq); (3) Mr. Ibrahim Mohamed Mahmud (Egypt); (4) Mr. Faud Hussain (Pakistan); (5) Mr. Abdul Ridha Mistah (Iraq); (6) Mr. Yu, Pao-Shan (Chinese Taipei); (7) Mr. Kao, Ruey-Chy (Chinese Taipei); (8) Mr. Eddy Parmono (Indonesia); (9) Mr. Tonih Usmana; Mr. Dwi Cahyo

*In absence of the Chairman and other members of the Task Force, the meeting was conducted by Dr. S.A. Kulkarni, Executive Secretary, Central Office on behalf of the Secretary General, ICID. The list of observers who attended the meeting is given above.*

**.Item 1 : Confirmation of minutes of the 1st meeting of TF-SEDIMENTATION held in Yogyakarta, Indonesia**

Since there were no TF members attending the meeting this item was deferred to next meeting to be held at Adelaide in 2012.

**Item 2 : Membership of the Task Force**

ICID Central Office had received the following nominations for the membership:

- Mr. Jack H. Meldrum (United Kingdom)
- Dr. U.C. Kothyari (India)

However, as none of the above nominee was present nor represented, the decision about their acceptance was deferred to the next meeting to be held in Australia.

The TF was looking for the Secretary. Dr. Pao-Shan Yu, Dean College of Engineering, National Cheng Kung University (Chinese Taipei) who was in attendance at the meeting was requested to act as the Secretary. While Dr. Yu gladly accepted to be the Secretary for the meeting, he was requested to forward formally his nomination for the membership through Chinese Taipei Committee (CTCID) for consideration and approval of the TF. In the meantime Dr. Yu volunteered to work for the TF as he was fully involved in sedimentation related work in his country.

**Item 3 : Terms of Reference**

The terms of references as presented at the Yogyakarta meeting were briefly apprised to the participants. The note prepared by Mr. David Meigh (UK) based on his experience on the long-term solutions for controlling sedimentation was perused by all the participants and was appreciated for its comprehensiveness.

After discussions the following additional suggestions were received from the participants.

Dr. Pao-Shan Yu suggested considering the issues of island countries like Chinese Taipei, Indonesia, etc., he suggested sediment control, both at the upstream and downstream of a reservoir.

Mr. Basil Irhayyim Mavzok, Director General of Water Resources (Iraq) said that sedimentation of reservoirs is a major issue in Iraq and wanted to know the measures to control it. He said that the sedimentation causes weed proliferation and weed control thus becomes expensive. Mr. Basil raised the following questions:

- Is the dredging the only solution for sedimentation control?
- Does sedimentation creates safety concerns to the body of a barrage?
- Do basins constructed upstream of barrage for trapping of sediments are effective?

**Item 4 : Evolving work plan**

The participant proposed to develop a simple questionnaire with a purpose of understanding and compiling key issues of sedimentation in different countries and strategies and measures adopted by these countries to control sedimentation. Dr. Yu was requested to coordinate the preparation of the questionnaire with inputs from other participants. It was proposed to prepare the first draft of the questionnaire by the end of January 2012.

**Item 5 : Any other business**

Minutes of the Fourth Meeting of the  
**WORKING GROUP ON TECHNOLOGY AND RESEARCH UPTAKE AND EXCHANGE (WG-TRUE)**  
 Tehran, Iran  
 16 October 2011: 13.30-17.00 hours  
*Strategy Theme: Knowledge*

**Year of Establishment: 2007**

**Completion of the Mandate: 2011**

**Mandate:** To support research and development of technology and innovation processes for improved irrigation and drainage

**Members Present:** (1) Dr. (Mrs.) Shaden Abdel-Gawad, Vice Chairperson, 2007 (Egypt, 2001); (2) VP Prof. L. Ubertini (Italy, 1989); (3) Dr. (Mrs.) Irene Bondarik (Russia, 2001); (4) Prof. J.G. Annandale (South Africa, 2003) represented by Dr. A Sanewe; (5) Mr. Ezzatollah Farhadi (Iran, 2005); (6) Dr. Mohammad Che Husain (Malaysia, 2005) represented by Dr Chan Chee Sheng; (7) Mr. Ian William Makin (UK, 2006); (8) Dr. Enrique Playan (Spain, 2006) represented by VPH Dr. J A Ortiz; (9) Dr. Kazumi Yamaoka (Japan, 2009); (10) Dr. Moch Basuki Hadimuljono (Indonesia, 2010).

**Apology:** Chairperson Dr. Linden Vincent (The Netherlands), and Secretary Dr. John Replogle (USA)

**Member Honoraire Present:** Mr. Felix Reinders, Vice President Hon., ICID (South Africa).

**Observers:** (1) Dr. Tabio Russo (Italy); (2) Engr. Ahasan Ullah (Bangladesh); (3) Jin-Yong Choi (Korea); (4) John Pantiour (Indonesia); (5) Bamia Saytagraha (Indonesia); (6) Dwi Cakyo (Indonesia); (7) Tonih Usmanam (Indonesia); (8) Mujadi (Indonesia); (9) Eddy Purnono (Indonesia); (10) Budi Wigmysukanto (Indonesia); (11) Darush Bahrehdar (Iran); (12) Khishigseetu (Mongolia); (13) Baranchuleuen (Mongolia); (14) A. Fallah Rasteyir (Iran); (15) A Azari (Iran).

**Website:** <<http://www.wg-true.icidonline.org>>

In absence of Prof. Linden Vincent, Dr. (Mrs) Shaden Abdel-Gawad, Vice Chairperson conducted the meeting.

**Item 1 : Confirmation of the minutes of the 3rd meeting of the Working Group**

Dr. (Mrs) Shaden Abdel-Gawad, Chairperson requested participants to comment on the minutes of the 3<sup>rd</sup> Meeting of the Working Group held on 11 October 2010 in Yogyakarta, Indonesia. In absence of any comments, the minutes of the 3<sup>rd</sup> meeting of WG were approved.

**Item 2 : Review of membership, including new nominations**

Two nominations were received for the membership of WG-TRUE for consideration -

- The Indian National Committee (INCID) nominated Dr. N.S. Raghuvanshi in place of Dr. K. Palanisami (2005)/ Mr. Indra Raj (2009). As Dr. Raghuvanshi was not present, his nomination was not approved.
- The Malaysian National Committee (MANCID) nominated Dr. Chan Chee Sheng in place of Dr. Mohammad Che Husain (2005). Dr. Sheng gave a brief overview of his CV and current work on research on water management in Malaysia. His membership for the WG was approved.

Dr. John Replogle vide his e-mail of 12 August 2011 had requested the Chairperson to appoint a new Secretary in his place at Tehran meeting.

The Chair welcomed the new member and thanked the members and observers for their interest in the WG meeting. The Chair reminded the members about the decision of the 3<sup>rd</sup> meeting that the tenure of the WG-TRUE

expires at the end of the 4<sup>th</sup> meeting and therefore appointment of a new secretary may not be necessary (see Items 3, 4 and 5).

### **Item 3 : Mandate of the Working Group**

Confirming the decision of the 3<sup>rd</sup> meeting to maintain the mandate unchanged for the remaining tenure of the WG, Dr. Abdel-Gawad requested the participants to report on the agreed question: "To what extent has research driven the uptake and adoption process?"

Dr. G.R. Backeberg (South Africa) reported on a case study evaluating the impact of research on "in-field rainwater harvesting" in semi-arid areas of Africa. The research was implemented in controlled research conditions before being replicated in household garden trials for vegetable production. The recommended technique of "runoff-strips" as described by Dr. Thieb Oweis (ICARDA), captured rainfall during intense storms enabling adequate percolation for successful growth of vegetables for household consumption and marketing of surplus. The impact assessment after 15 years showed a direct impact of the research of farmers practice and policy support.

Dr. Abdel-Gawad reported briefly on research on reuse of drainage waters in Egypt, indicating the impact of research in establishing new policies and guidelines for use of low quality waters in agricultural production.

### **Item 4 : Tenure of the Working Group**

Dr. Abdel-Gawad reminded the participants of the decision in the previous meeting to bring the tenure of WG-TRUE to a close at the end of the current meeting. She noted that a number of new developments have taken place to revitalize the former IPTRID program with the governance program being regained by ICID and the proposals for a central role of national research and development institutes to serve the needs of the irrigation and drainage community. She summarized the history of the WG-TRUE, explaining its formation from the previous working groups of research (WG-R&D) and the advisory committee of IPTRID (AC-IPTRID). She proposed that the time was appropriate for the formation of a new working group with a new mandate and members to support the intensified program of research and development.

The Chair noted that the Central Office request to consider a tenure extension of WG-TRUE to provide necessary support and guidance in shaping the '*technology research, uptake and exchange*' so as to ensure that it meets the demands and aspirations of ICID National Committee. Dr. Ezzatollah Farhadi (Iran) reported on MoU between ICID and IRNCID/ Ministry of Energy in IR of Iran, under which the IRPID-ICID in Iran opened to function as a Research Centre on Irrigation and Drainage in Tehran; and Dr. Abdel-Gawad noted the earlier initiation of the Research and Training Centre in Beijing as part of the intensification programme for technology research on irrigation and drainage, initiated by President Chandra Madramootoo in Yogyakarta.

A lively discussion resulted in a firm statement confirming research and development in irrigation and drainage as an important part of the work of ICID.

The WG members proposed that a small sub-committee of interested participants be established to develop a new mandate for a new working group to be formed at the next IEC meetings to be held in Adelaide in June 2012.

WG recommended the tenure be extended to June 2012 to provide an organizational home for the sub-committee (see Item 5.2 below) to develop a mandate and tenure for a new working group or advisory committee to guide research and development. Attention was invited to similar recommendation made during the meeting on Intensification, chaired by Ian Atkinson (ANCID) held on 17 October.

### **Item 5 : Activities of the WG-TRUE**

The Chair confirmed that no new activities were initiated since the Yogyakarta meeting.

#### **5.1 Questionnaire for the Working Group**

Dr. Abdel-Gawad reported that she had not received any information on the outcomes of the questionnaire or reports of case studies. In absence of further advice from the members no further discussion took place.

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## **5.2 Intensification Programme on Technology Research on Irrigation and Drainage (IPTRID)**

The Chair gave a brief overview of the recent efforts to revitalize the former IPTRID program with ICID invigorating the lead in the governance and implementation of the program through the active involvement of the ICID national committees and national research institutes.

Following the discussions on the WG-TRUE mandate (Item 3) and tenure (Item 4), the discussion focused on the proposal to extend the tenure of the WG for a further year till the meeting in Adelaide in June 2012. In the intervening period a small committee is proposed to develop an updated mandate for a proposed new working group or advisory committee to provide a bridge between ICID members and the IRPID centers, such as in Beijing and Tehran.

Dr. Sanewe (South Africa) proposed that the new mandate must reflect the realities of what the WG could, practically achieve. As a starting point for the deliberations, he proposed the new mandate may be along the lines of: "To facilitate the exchange of knowledge generated through research and technology development and innovations for improved irrigation and drainage".

The WG welcomed the initiatives by China, Iran and France to promote increases in irrigation and drainage research and development under the umbrella of ICID and the International Research Program on Irrigation and Drainage (IRPID). The establishment of international centers in Beijing and in Tehran is a positive development.

In light of the above discussion, the WG recommended to establish a small working committee to refine the mandate and a draft work program for a new ICID workbody to work with the new IRPID centers. The mandate, tenure and work program should be developed well in advance so as to discuss it and arrive at some decision at Adelaide meeting in June 2012 for confirmation by the ICID management.

### **Item 6 : Website of the workbody**

Dr. Abdel-Gawad again reminded participants about the WG-TRUE webpage and encouraged everyone to contribute relevant papers and references for inclusion on the site. She noted that the copyright for any material added to the website remains with the original copyright holder. She also asked whether it would be feasible for automatic notifications of additions to the website to be sent by email to the members and other interested people.

### **Item 7 : Any other business (with the permission of the Chair)**

Dr. Kazumi Yamaoka (Japan) gave a short presentation on the impacts of the 2011 Great East Japan Earthquake. Dr Yamaoka illustrated the massive damage caused to infrastructure, agricultural lands and livelihoods. The Government of Japan estimated the total damage to be in the order of US\$ 220 billion, including US\$ 5 billion in damage to agricultural land and US\$4 billion in damaged agricultural facilities. He reported on the plans for recovery and rehabilitation, including a 3 phase restoration of agriculture. He noted the need for research to assess the failure mode of a large number of infrastructure elements, including sea walls.

Dr Abdel-Gawad thanked Dr. Yamaoka on behalf of WG and expressed the wish for Japan to achieve a speedy recovery from the disaster.

Mr. Ian Makin, acting Secretary noted that the IPTRID website hosted by FAO is now out of date, including showing Dr Carlos Garces as the point of contact. Central Office is requested to contact FAO to request the site be revised, including providing a link to the ICID website for further information.

The 4<sup>th</sup> meeting of the WG was concluded at 16:15 hours to enable the members to participate in the formal opening of the IRAN-IRPID at the Ministry of Energy, Water Research Institute, hosted by the representative of Dr. J Porhemmat, Deputy Minister and Head of Agricultural Research, Education; and Mr. M R Attarzadeh, Deputy Minister of Energy.

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Minutes of the Fourth Meeting of the  
**WORKING GROUP ON WATER MANAGEMENT IN WATER STRESSED REGIONS (WG-DROUGHT)**  
 Tehran, Iran  
 16 October 2011: 13:30:17:00 hours  
*Strategy Theme: Basin*

Date of Establishment: 2008

Completion of the Mandate: 2014

**Mandate:**

- (i) Drought Management Strategies: To capture field experiences of the implementation of drought risk management strategies.
- (ii) Coping with water scarcity
  - Critical evaluation of the validity of the crop water requirement computations based on climate data as a tool to be used in coping with water scarcity;
  - Approaches and strategies for incorporating economical justification when deciding on the amount of water to be allocated for agricultural production;
  - Re-defining, as necessary, the conventional irrigation efficiency concept; and
  - Design, operation and maintenance of sand dams – Under-ground water reservoirs.
- (iii) Rainfall management for sustainable agriculture: Innovation and implementation of smart rainfall management technologies.

**Members Present:** (1) Mr. Mohammad Sadegh Jafari, Vice-Chairman, 2009 (Iran, 2008) - Acting Chairman); (2) Vice President Dr. Ragab Ragab (UK, 2008); (3) Dr. Takanori Nagano (Japan) represented Dr. T. Watanabe; (4) Dr. Graziano Ghinassi (Italy, 2008); (5) Prof. Chang-Chi Cheng (Chinese Taipei, 2008); and (6) Dr. Sanjay Belsare represented Dr. T.B.S. Rajput (India, 2009).

**Member Hon:** VPH Prof. Dr. Ricardo Segura Graiño (Spain).

**Observers:** (i) Ir. Sabine Walser (Germany); (ii) Ir. E. Farahani (Iran); (iii) Dr. Ming-Young Jan, (Taiwan); (iv) Ir. Sadjjad S. Hosseini (Iran); (v) Ir. Loh Kim Mon (Malaysia); (vi) Ir. Anna Tedeschi (Italy); (vii) Dr. Sylvain R. Perret (France); (viii) Ir. Michael Van Der Laan (South Africa); (ix) Mr. Mati Tonismae (Estonia); (x) Ir. Osmo Purhonen (Finland); (xi) Mr. Olli-Matti Verta (Finland); (xii) Ir. Ahmed M. Aziz (Iraq); (xiii) Ir. Dodang Ridwan (Indonesia); (xiv) Ir. Karimov Akmal (Uzbekistan); (xv) Ir. Balgabaeze Hurlah (Kazakhstan); (xvi) Ir. Mukhamedjanov Shukhrat (Uzbekistan); (xvii) Ir. Salah Saad Zarad (Egypt); (xviii) Ir. Magdi Abdelhamid (Egypt); (xix) Ir. Mojtaba Poormoghaddam (Iran); (xx) Ir. Rasoul Azimi (Iran); (xxi) Ir. Ibrahim El-Baroudy (Egypt); (xxii) Ir. Ibrahim M. Mahmoud (Egypt); (xxiii) Ir. Mukhlis Zainol Abidin (Malaysia); (xxiv) Ir. Jin-Yong Choi (Korea); (xxv) Ir. Eunmi Hong (Korea); (xxvi) Ir. Azita Ramezari (Iran); (xxvii) Ir. Sara Akbarnejad (Iran); (xxviii) Dr. N. Asokaraja (India); (xxix) Ir. Kiwook Park (Korea); (xxx) Mr. Mellouli H. Jamil (Tunisia); (xxxi) Ir. Khodjet-Kesba Omar (Algeria); (xxxii) Ir. Puleng Mofokeng (South Africa); (xxxiii) Ir. Andre Roux (South Africa); (xxxiv) Ir. Zulfan Zahar (Indonesia); (xxxv) Ir. Sue Walker (South Africa); (xxxvi) Ir. Yacob Beletse (South Africa); (xxxvii) Ir. Mohammad Salman Sabahi (Iran); (xxxviii) Ir. Maurice Roos (USA); (xxxix) Dr. K. Yella Reddy (India); (xxxx) Ir. R. Davtatab (Iran); (xxxxi) Ir. Zhaleh Vaziri (Iran); and (xxxxii) Mr. Clarke Ballard (Australia).

**Website:** <<http://www.wg-drought.icidonline.org>>

*Mr. Clarke Ballard (Australia) assisted the Chairman as Acting Secretary for the meeting.*

**Item 1 : Confirmation of the minutes of the 3<sup>rd</sup> meeting of the WG-DROUGHT**

The minutes of the third meeting of WG Drought held in Yogyakarta, Indonesia in 2010 were accepted / confirmed.

**Item 2 : Review of the membership**

Dr. Kiwook Park (Korea) was nominated by the Korean National Committee. Dr. Park introduced himself. His membership was accepted by the WG.

Dr. Takanori Nagano (Japan) was nominated by the Japanese National Committee in place of Dr. T. Watanabe. Dr. Nagano introduced himself. His membership was accepted by the WG.

The nominations of Dr. Anatoly Polevoy (Ukraine), Dr. Theodoro Estrela Monreal (Spain) and Dr. Abdul Razzaq Ghumman (Pakistan) were deferred since they were not present. The Central Office may invite fresh nominations from the concerned NCs.

Ms. Sabine Walser (Germany) expressed her interest in joining the membership of the WG. She will contact the German National Committee in this regard. Meanwhile, she has been invited to participate in one of the themes as she may prefer. Her e-mail address: <Sabine.Walser@tu-dresden.de>.

Mr. Dadang Ridwan and Mr Zulfan Zahar (Indonesia) were authorized by INACID (letter no. 51/INCID/X/2011; dated 11 October 2011) to attend the 4<sup>th</sup> meeting of WG DROUGHT. They attended the meeting. The WG appreciated their participation.

**Item 3 : WG-IADWS (erstwhile) publication – “Irrigation under Drought and Water Scarcity”**

This publication requires only final editing and updating of references, and it can then be published.

**Item 4 : Drought management strategies in water stressed / scarce regions - Theme 1**

Prof. Chang-Chi Cheng (Chinese Taipei) presented a paper on the work plan for this theme. It was clear that more country experiences were required, and that these need to be documented in a consistent way. Discussions followed on drought response strategies in member countries. It was recommended by the vice-chairman that members of this theme focus on policies, plans and strategies rather than ways and methods of coping with water scarcity.

**Item 5 : Coping with Water Scarcity – Theme 2**

Mr. M. S. Jafari (Iran) presented a detailed paper on Iranian experiences on coping with water scarcity. This theme is complementary to Theme 2 in that it concentrates on detailed methodology and solutions rather than strategies and policies.

**Item 6 : Rainfall Harvesting and Management for Sustainable Agriculture in Water Stressed/Scarce Regions – Theme 3**

Mr. V. C. Ballard (Australia) presented a paper on the work plan for this theme and an outline of Australian experiences. Time did not permit presentation of the full Australian paper on experiences under this theme.

**Item 7 : Discuss WG activities as per timeline for completion of mandate**

It was clear that all three theme leaders proposed similar work plans. The first step was to obtain as many papers as possible on experiences in individual countries in relation to each of the three themes. These papers should carefully follow the topics set out in the work plans to avoid duplication.

It is essential that theme leaders have enough papers to enable them to present intermediate outputs at the WG meeting in Adelaide 2012. This will require all WG members to prepare, or arrange from others in their country, a paper on each of the three themes by the end of March 2012. Papers on other countries in which WG members have experiences will also be welcomed.

Progress will not be possible without these inputs from the whole of the membership of the WG.

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**Item 8 : Scheduling possible workshop in 2013**

Members agreed in principle that a workshop should be held in Turkey (2013) to present draft final findings of the WG. The workshop would cover the three sub-themes, either as a series of country presentations or papers, or by re-arranging material from the country papers into sub-topics covering all the countries for which information is available.

Vice President Dr. Ragab Ragab (UK), Mr. Clarke Ballard (Australia) and Dr. Takanori Nagano (Japan) indicated that they would be prepared to assist in organizing the workshop. However, it was recognized that the basic material to be presented will come from work by members under the three themes.

**Item 9 : Any other business**

- **Invitation from WMO**

The members noted the information.

- **Participation in Africa-Asia Drought Risk Management Peer Assistance Survey – UNDP**

Working Group members were informed on this issue.

- **UN-Water – Participation in the Specific Panel**

The members noted the information

**The acting Chairman thanked Mr. Ballard for assisting him as Acting Secretary for the meeting.**

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Minutes of the Third Meeting of the  
**WORKING GROUP ON ROLE OF IRRIGATION IN POVERTY  
 ALLEVIATION AND LIVELIHOODS (WG-POVERTY)**  
 Tehran, Iran  
 17 October 2011: 09.00-12.30 hours

**Year of Establishment: 2008**

**Completion of the Mandate: 2013**

**Mandate:**

- Synthesize specific knowledge and experience from the irrigation sector, to design pro-poor actions in a wider understanding of irrigation along the whole rainfed-irrigated continuum (aka agriculture water management),
- Look for technical solutions that work within a clearly defined socio-economic context, so that they can be mobilized in a case specific approach,
- Emphasize multiple-use (mus) of irrigation systems as a specific approach to alleviate poverty in this context,
- Increasing opportunities for greater and more open participation by the poor, in the development of systems and in the value chain,
- Building accountability mechanisms that give longer term support and commitment to poverty alleviation initiatives, and
- Guidelines supported by case studies on how to enhance the poverty alleviation and livelihood improvement impacts of new and existing projects

**Members Present:** (1) PH Peter S. Lee, Chairman (UK, 2008); (2) Mr. R.C. Jha, Vice Chairman (India, 2009); (3) Ms. Mary Jean Gabriel, Secretary (South Africa, 2010); (4) Dr. Yohei Sato (Japan, 2009); (5) Dr. Adama Sangare (Mali, 2009); (6) Mr. Moussa Amadou (Niger, 2010).

Prof Linden Vincent (The Netherlands) and Mr. Laurie Tollefson (Canada) conveyed their apologies to the Chairman for not able to attend the meeting

**Members Honoraire Present:** (1) Dr. Willem Vlotman, Vice President, ICID (Australia); and (2) Mr. A.K. Bajaj, Vice President, ICID (India).

**Observers:** (1) Dr Suhas Wani (India, CGIAR); (2) Khishigsuren Allangerel; (3) Baranchulum Shirchin; (4) Balgabaee Nunlan (Kazakstan); (5) Karimov Akmal (CGIAR); (6) Mr. Uttamraj Timilsina (Nepal); (7) Shahram Khorasanizadeh; (8) Bassam Alhusein; (9) Shuichi Matsushima; (10) Mukhamedjanov Shukhzat (Uzbekistan); (11) Ms Maryam Movahechnia; (12) Mohd Yazid B Abdullah (Malaysia); (13) Mr. Mukhlis Zainol Abidin (Malaysia); (14) Dr Michael van der Laan (South Africa); (15) Enayatollah Farahani (Iran); (16) Mohammad Sadegh Jafari; (17) Sadjjad S. Hossein (Iran); (18) Mehran Mahdavi (Iran); (19) Howard White; (20) Michael Talhami.

**Website:** <<http://www.wg-poverty.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 2nd meeting of the Working Group held at Yogyakarta in October 2010**

At the outset, Chairman Peter Lee apologized for starting the meeting late due to clash with other WG meeting where his presence was required. He thanked all for attending the meeting.

Subsequently, the minutes of the meeting held at Yogyakarta were accepted and confirmed.

Chairman informed that a new working group has been initiated which would focus on the MDGs. It was felt that the WG-MDGs and WG-POVERTY would be complementary to each other; consequently the kick-off meeting of the WG-MDGs would be held back to back to the WG-POVERTY.

It was thought that WG-MDGs would be able to pick up the poverty alleviation objectives of the ICID after the completion of the WG-POVERTY mandate in 2013. However, VP Dr. Vlotman voiced concern regarding the timing as contributions on the MDGs are already required to the 6<sup>th</sup> World Water Forum meeting to be held in March 2012 as well as to the Rio+20 meeting in June 2012.

**Item 2 : To review membership of the Working Group**

The nomination of Dr Laura Schroeder (USA) was deferred once again as she was not present at the meeting.

**A. CONTINUING ITEMS**

**Item 3 : Objectives of the Working Group**

During the Yogyakarta meeting, the concerns/issues were expanded to include - The effect of urbanization on smallholders in peri-urban areas and shifting of population from rural to urban areas.

The Working Group plans to develop a position paper on poverty alleviation. The Central Office was requested to circulate the note prepared by the group under the Chairmanship of VPH Alain Vidal as a basis for the position paper. Chairman Peter Lee indicated that in order to produce a position paper, a draft needs to be prepared by the next meeting so that it can be sent to all national committees for their inputs and comments. These comments will then be incorporated into the paper so that the paper can be finalized at the 2013 meeting.

**Item 4 : Work plan of the Group**

The work plan of the WG is as prepared at the Yogyakarta stands updated and is shown as **Annex**.

**Item 5 : Internal workshop of the Working Group**

An internal workshop of the WG was held within the time schedule of its meeting. Two case studies were presented:

1. "Ebenaezer Irrigation Scheme: Case Study from South Africa" by M J Gabriel and A S Roux
2. "The Role of Irrigation in Agriculture Development and Poverty Alleviation at Rural Community of Iran" by Dr E Farhani

Despite the shortage of time, both case studies were appreciated by the group. Mr. Roux was requested to provide a note based on his very instructive responses to the questions raised by his case study.

**Item 6 : Website of the Group**

There was no discussion on this item due to lack of time.

**B. NEW ITEM**

**Item 7 : Participation in the proposed Working Group 'Role of impact evaluation in maintaining momentum towards the MDGs of investments in irrigated agriculture sector'**

Mr. Howard White made a brief presentation on the proposed new group, WG-MDGs. After the presentation, Chairman Lee suggested that some of the WG-POVERTY's work could feed into the WG-MDGs' However, it was highlighted that the WG-POVERTY was primarily concerned with developing and advocating policies that would enhance the poverty alleviation dimension of irrigation and drainage, whereas WG-MDGs would be concerned with measurement of impact of I&D on the MDGs in general. The two groups were therefore, complementary rather than overlapping. It was still the intention of the WG-POVERTY to complete its work in 2013.

**Item 8 : Any other business**

None

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**WORKING GROUP ON ROLE OF IRRIGATION IN  
POVERTY ALLEVIATION AND LIVELIHOODS (WG-POVERTY)****Three-Year Rolling Plan (2011-2013)**

<b>2011</b>	<b>2012</b>	<b>2013</b>
Members to submit case studies of irrigation/water management poverty alleviation.	Update the concept note from the Istanbul WWF5, as draft ICID position paper on poverty alleviation addressing all the concerns/issues raised in earlier meetings.	Circulate the draft position paper for comment and finalize the paper to complete the WG-POVERTY mandate.

Minutes of the Fifth Meeting of the  
**TASK FORCE ON FINANCING WATER FOR AGRICULTURE (TF-FIN)**  
 Tehran, Iran  
 17 October 2011: 09:00-12:30 hours

**Year of Establishment: 2007**

**Mandate:** The focus of the TF will be to get a better understanding and insight (assessment) of: (i) the required investments and beneficiaries of those investments in agricultural water, (ii) the presently available financing mechanisms and constraints for maintaining or improving physical irrigation capacity; and (iii) the expected changes and innovations for more appropriate financing mechanisms to enable sustainable water use for food production.

**Members Present:** (1) Dr. Gerhard R. Backeberg, Chairman (South Africa 2009); (2) Dr. Sylvain-Roger Perret, Secretary (France, 2010); (3) Mr. E. Farhadi (Iran, 2009); and (4) Dr. K. Yamaoka (Japan 2009).

**Observers:** (i) Dr. Mohd. Y. Abdullah (Malaysia); (ii) Ir. N. Asokaraja (India); (iii) Ir. Sung Hee Lee (Korea); (iv) Ir. Mukhlis Z. Abidin (Malaysia); (v) Mohammad Salman Sabami (Iran); (vi) Mr. Uttam Raj Timilsina (Nepal); (vii) Ir. Hamej Ebrahimien (Iran); (viii) Ir. Mohammad Sadegh Jafari (Iran); (ix) Dr. Suhas Wani (India); (x) Ir. Bassam Alhusein (Syria); (xi) Ir. Sushima Matsushima (Japan); (xii) Ir. Ian. W. Makin (ADB); (xiii) VPH Prof. Victor A. Dukhovny (Uzbekistan); and (xiv) Ir. Karimov Akmal (IWMI).

**Item 1 : Confirmation of minutes of the 4<sup>th</sup> meeting of TF-FIN**

The minutes of the 4<sup>th</sup> meeting held in October 2010 at Yogyakarta (Indonesia) were confirmed and approved.

**Item 2 : Membership of the Task Force**

The Pakistan (PANCID) and Indian (INCID) National Committees nominated Mr. Bashir Ahmad Sial and Mrs. Ananya Ray, respectively, for the TF-FIN membership and CVs were made available. These two proposed members were not present at the two last TF-FIN meetings either. Membership could not be confirmed. In view of the TF-FIN schedule, there is no point requesting confirmation from these national committees. Mrs. Ray and Mr. Sial are still invited to contribute if interested to final activities of TF-FIN.

Mr. Eric Viala (USA, TF-FIN Vice-Chairman) had not been active for the last 4 years. ICID Central Office has requested USCID for nomination of another member. No response received. In view of the TF-FIN schedule, there is no point requesting another nomination from USCID.

During TF-FIN meeting held in Tehran, Dr. K. Yamaoka (Japan) was elected as Vice-Chairman of TF-FIN.

Dr. B. Davidson (Australia) sent apologies and will contribute until the conclusion of TF-FIN activities.

**Item 3 : Activity report of TF-FIN as per accepted Work Plan**

Work plan had been agreed upon during 4<sup>th</sup> meeting of TF-FIN (2010). It had been circulated to all members.

The Chairman referred the members to the activities as specified in the Work Plan, emphasizing the active participation of all TF-FIN members. During the Yogyakarta meeting in 2010, it was decided that 3 of the 4 members not being active at that stage (India, Iran, Pakistan and USA) should be given a final opportunity to submit papers on Policy and Strategies. Unfortunately, only Pakistan and India responded, with only Pakistan adhering to the prescribed guidelines. Under these circumstances, it was decided to adhere to initial decisions and to conclude the activities of TF-FIN in 2012.

**Item 4 : Planned Workshop on ‘Water Use Charging Systems and Available Financing of Irrigation: Case Studies for Cross-Country Comparisons’ during TF-FIN meeting in Tehran, 2011; and Proposed full-day workshop of TF-FIN in Australia, 2012**

Since the required conditions relating to active participation of all TF-FIN members were not met, it was decided not to proceed with the planned workshop on 17 October, 2011 in Tehran, Iran. The organization of a full day workshop in Adelaide, Australia in June 2012 was considered and will proceed. Details are provided under item 6 of these minutes.

**Item 5 : Selected option for publication of workshop papers by TF-FIN members**

Three options for publications were considered during the last meeting (2010). During the TF-FIN meeting, it was decided to compile a report on Task Force activities, with possibility to publish papers from the report (option #3 as given in agenda) either individually or collectively.

TF-FIN final report will be on “*Water Use Charging Systems and Available Financing of Irrigation; Case-Studies and Cross-Country Comparison*”. A draft report will be delivered to TF-FIN members at the time of next meeting in Adelaide, Australia in June 2012. Final editing and completion will follow in the course of 2012. The proposed contents of the TF-FIN final report has been discussed, and includes:

- Introduction / background;
- Conceptual / principle framework;
- 5 to 7 country-papers with elements of irrigation water policy and finance strategy, and related case studies (according to guidelines previously circulated);
- Conclusion, cross-country comparison, way-forward.

**Item 6 : Conclusion of activities of the Task Force**

After discussion, it was agreed that the report of the TF-FIN will include the workshop papers presented so far, plus additional country case studies on water use charging systems and available financing systems.

Existing papers on Policies and Strategies are available from Australia, Japan, Pakistan, South Africa and Thailand. TF-FIN members from these countries will add on case studies as required. In addition, TF-FIN member from Iran has committed to submit a full paper on Policies, Strategies and Country Case Studies. The representative from India has to be requested to submit a revised paper on Policies, Strategies and Country Case Studies, adhering to the guidelines distributed in 2010.

ICID Central Office is requested to contact both TF-FIN representatives from Pakistan and India, and send a reminder to TF-FIN member from Iran to submit the requested papers.

The target dates for these tasks are as follows:

- Revised and extended papers on Policies, Strategies and Country Case Studies: End of February 2012
- Draft report on TF-FIN activities, according to framework given under item 5: End of April 2012; Dr. G.R. Backeberg, Dr. S.R. Perret and Dr. K. Yamaoka have accepted responsibility to compile the draft report, with inputs from TF-FIN members.

The full-day workshop has been scheduled for June 2012 (Adelaide, Australia). It will provide an opportunity for TF-FIN members to present the country case studies on “*Water Use Charges and Financing Systems in Irrigation*”. The contents of the workshop will be finalized by end of March 2012. The core presentations will be the ones related to papers by TF-FIN members (Australia, India, Iran, Japan, Pakistan, South Africa and Thailand). ICID Central Office is requested to send invitations to all ICID member countries to present additional short case studies during the planned workshop. The guidelines for the presentations will be provided with the contents of the workshop by March 2012.

**Item 7 : Any other business**

In conclusion, all TF-FIN members who have been active were thanked for their contributions; all were encouraged to make final inputs in order to conclude the activities of TF-FIN. It was confirmed that the final meeting of the TF-FIN will take place in June 2012 in Adelaide. It is understood that the final writing of the report on TF-FIN activities will be completed in the course of 2012.

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Minutes of the First Meeting of the  
**TECHNOLOGY RESEARCH ON IRRIGATION AND DRAINAGE (TRID)**  
 Tehran, Iran  
 17 October 2011: 11.30-12.30 hours

**(New Group Proposed for Implementation)**

**Mandate:** To be developed.

**Attendance:** (1) Dr. Saeed Nairizi (Iran), (2) Mr. Ian Atkinson (Australia), (3) Mr. Ian M. Makin (ADB), (4) Mr. Ray-Shyan Wu (Chinese Taipei), (5) Mr. Chang-Chi Cheng (Chinese Taipei), (6) Mr. Ming-Young Tan (Chinese Taipei), (7) Dr. Gao Zhanyi (China), (8) Dr. M.H. Amer (Egypt), (9) Prof. Dr. Rai Niaz Ahmad (Pakistan), (10) Dr. Ragab Ragab (UK), (11) Mr. Husnain Ahmad (Pakistan), (12) Mr. Pei-chun Ni (Chinese Taipei), (13) Mr. Yingduo Yu (China), (14) Prof. Peter Kovalenko (Ukraine), (15) Mr. Ahmed M. Aziz (Iraq), (16) Mr. Moussa Amadou (Nigeria), (17) Mr. Muhammad Arshad (Pakistan) and (18) Er. M. Gopalakrishnan, Secretary General, ICID.

Dr. Saeed Nairizi opened the session with a brief history of IPTRID and the desire of ICID to reinvigorate its efforts. He felt that there were at least two important jobs to be done. First, there is much research into irrigation and related issues being undertaken by member countries. He felt that this research would deliver better outcome if it were more coordinated so as to prevent unnecessary duplication and possibly some specialization. Second, much research is published in a limited range of languages which limits access to others. He gave the example that Iranian researchers are publishing in Persian and it would be great if at least, the abstracts were translated into one or more other languages.

Dr. Nairizi then asked Mr. Ian Atkinson of Australia to chair the session. Mr. Atkinson asked all of those in attendance to identify key points or views on the focus for the proposed WG. The following list of points (in no particular order) is the outcome;

- a. Should not limit this to researchers, should be aiming to assist reach out to all stakeholders
- b. Greater communication between regions and groups
- c. Greater cooperation on use of new technology to deal with drought
- d. Greater cooperation with agronomists rather than just water resources specialists
- e. Cooperation prior to new research action and publication can reduce unnecessary duplication and offer opportunities for research collaboration
- f. Encourage greater cooperation on research agendas / topics between ICID member countries
- g. Support translation of research abstracts into other languages, for e.g. Farsi to Chinese
- h. Provide network from local to country to international for researchers and research funders
- i. Mandate suggestion from WG-TRUE – facilitate exchange of knowledge
- j. Intensification does not mean reinvent but extend knowledge out to more people, greater spread of what has been found to work
- k. Greater sharing of knowledge
- l. Look to use electronic platforms to make this easier to do
- m. Greater input from stakeholders (end users) on what is researched
- n. Try to influence research agenda to be more collaborative and international
- o. New centers form nodes for concerted action, aim to have more concentrated action in groups
- p. Need to be careful with words 'innovative vs. research', indigenous component necessary

At the end of the discussion, Mr. Atkinson asked about how this new group could / should interact with the existing WG-TRUE. Mr. Ian Makin spoke about TRUE and said whilst its current mandate was coming to an end, TRUE members felt it should be reinvigorated with an amended mandate and new members. The group in attendance agreed that we should look to combining with WG-TRUE to develop a new mandate and start afresh.

Minutes of the First Meeting of the  
**WORKING GROUP ON MILLENNIUM DEVELOPMENT GOALS (WG-MDGs)**  
 Tehran, Iran  
 17 October 2011: 11.30-12.30 hours

**Year of Establishment: 2011**

**Attendance:** (1) Mr. R.C. Jha (India); (2) Dr Suhas P. Wani (ICRISAT, India); (3) Mr. Khishigsuren Allangerel (Mongolia); (4) Mr. Baranchulum Shirchin (Mongolia); (5) Mr. Karimov Akmal (IWMI); (6) Mr. Balgabaev Nurlan (Kazakhstan); (7) Mr. Uttamraj Timilsina (Nepal); (8) Mr. Shahram Khorasanizadeh (Iran); (9) Mr. A.K. Bajaj (India); (10) Mr. Bassam Alhusein (Syria); (11) Mr. Shuichi Matsushima (Japan); (12) Mr. Mukhamedjanov Shukhzat (SIC ICWC, Uzbekistan); (13) Prof. Yohei Sato (Japan); (14) Ms. Maryam Movahechnia (Iran); (15) Dr Michael van der Laan (South Africa); (16) Mr. Enayatollah Farahani (Iran); (17) Mr. Sadjjad Ihosseini (Iran); (18) Ms. Mary Jean Gabriel (South Africa); (19) Dr. Willem Vlotman (Australia); (20) Mr. Howard White (India); (21) Mr. Moussa Amadou (Niger); (22) Mr. Michael Talhami (ICRC, Jordan); and (23) P.H. Mr. Peter Lee (UK).

**Item 1 : Composition and membership**

Vide e-mail dated 30 June 2011, ICID Central Office requested all the National Committees/ Committee to nominate an expert to attend the maiden meeting of the WG-MDGs and participate in its deliberations. The nominated expert may continue to be a member of the workbody after its formal establishment at the 62<sup>nd</sup> IEC meeting. A background note as prepared by Australian National Committee (IACID) was also circulated amongst the National Committees.

There was no official identification of countries present with regard to their potential membership. It was suggested that M. Nadeem Asghar will be proposed as Chairman of the Group if it gets IEC approval.

**Item 2 : Objective of the meeting**

The main objective of the maiden meeting was to discuss about the possibility of establishing an ICID workbody on MDGs and to explore the membership from the ICID National Committees. The maiden meeting was scheduled at the last hour of WG-POVERTY.

It was observed at several occasions that the proposed work of this working group dovetails nicely with the work of WG-POVERTY and will enhance actually the outcomes of the WG-POVERTY.

**Item 3 : Presentations**

The proposed program at the meeting was as follows:

1. 15 mins: Introduction to MDGs and the linkages with ICID – by Munir Hanjra
  - a. What are the MDGs, and which ones are appropriate for ICID?
  - b. Current status, hindering issues, and options for future direction(s)
  - c. Explain the role ICID can play in taking MDGs –to 2015 and beyond
2. 15 mins: A guide to impact evaluation for water sector investments: Are we really helping the world's poor? – by Howard White
  - a. Differentiating between M&E, performance evaluation, and impact evaluation: Examples from water sector investments
  - b. Impact evaluation concepts and tools
  - c. What role IE can play in taking MDGs –to 2015 and beyond?

3. 15 mins: Proposal for formation of the Working Group – by Nadeem Asghar
  - a. Key features
  - b. Proposed activities
  - c. Tentative work plan
4. 15 mins: Discussion and feedback from the participants – by VP Willem Vlotman
  - a. Q&A to help streamline the proposed activities and the tentative work plan for this working group
  - b. Finalise decision on whether to request formation of new Working Group

However, due to time constraint and the absence of Messer's Munir Hanjra and M. Nadeem Ashgar, the later being the main initiator of this initiative, only presentations 2 and 4 were made.

#### **Item 4 : Discussion on objectives of the WG-MDGs**

Mr. Howard White gave an inspiring speech with emphasis on impact evaluation concepts and tools that seemed to pique the interest of the participants. Some of the main points were:

- MDG 1 is slightly different from other targets. This was done due to timings of results agenda (Movement?), where they looked at measuring success in terms of impacts on people's lives.
- Increase impact evaluation – what did the investments achieve.
- Comparing units within water management units; i.e. compare projects with investment and those which have no increased investment. Do not compare rainfed results with irrigated results; compare apples with apples.
- The object would be to build up an evidence base of interventions irrigation and drainage to poverty alleviation.

Some concern was raised that the objectives of the MDGs are broader than irrigation and drainage, but in the discussion that followed, it was made clear that socio-economic and environmental aspects also need to be taken into consideration, including improved education etc. in order to assess impacts of investments in agricultural water management.

#### **Item 5 : Proposed Mandate**

The following mandate was proposed and agreed by the participants:

- Promote the production of rigorous [or credible] evidence of the impact of agricultural water management investments on the MDG 1 goals of reducing, poverty and malnutrition, and other MDG-related social development outcomes (e.g. health and education).
- Promote the identification of cost effective means of ensuring the maximum and equitable realization of the benefits from agricultural water management investments.

#### **Item 6 : Proposed Work Plan 2011-2015**

Due to time constraints the work plan was not discussed. However the group agreed that Messrs Nadeem Ashgar and Howard White prepare a revised work plan. It was also mentioned that the WG needs to be active on-line and via emails so as to feed into WWF6 and Rio+20 meetings (see item 8 below).

The text following was proposed as an agenda item and is shown for completeness.

The WG will focus on the recent and/or current projects, interventions and initiatives that come under the category of:

- Agricultural and rural development (like agricultural subsidies, small grants, support for smallholders, extension services, crop production, etc).
  - Economic and financial development investments (like market access, financial access, value chain finance, financial inclusion, agro-industries, agricultural loans, private investments, farm income support, rural livelihood, etc).
-

To cover this broad spectrum of projects, interventions and initiatives, the following topics were tentatively proposed for the WRITESHOPS:

- 2011: Impact Evaluation of Community Development Projects for Rehabilitation of Salt Affected and Waterlogged Lands on Rural Livelihood, Healthcare and Gender Empowerment
- 2012: Impact Evaluation of Crop Maximization Support Projects on Food Security and Rural Development in the Developing World
- 2013: Impact Evaluation of Farmers' Organizations and Agricultural Innovation Projects on Food Security and Poverty Reduction in Irrigated Agricultural Communities
- 2014: Impact Evaluation of Mass Awareness for Water Conservation and Development Projects on Food and Water Security under Climate Change Impacts
- 2015: Impact Evaluation of Irrigation Development and Modernization Projects on Rural Livelihood and Environmental Sustainability in the Low- and Middle-Income Countries

The members were encouraged to deliberate on the proposed work plan.

#### **Item 7 : Proposed Activities**

The proposed activities for the Working Group are given as under:

- Online Liaison Facility: Develop a web-based user-friendly platform for information sharing and update among the participants of the Working Group,
- Global Knowledge Partnership: Provide detailed guidance and technical training / support for undertaking the rigorous impact evaluations, and
- Grooming Young Scientists: Organize annually a Writeshop to present, review and help produce high quality manuscripts ready-to-submit in the ISI Indexed Journals with Impact Factor.

For a WRITESHOP, the idea is to:

- Open call to submit the brief case-studies, using a well-defined format, on the selected themes;
- Review to shortlist the submissions, and provide guidelines to develop the detailed case studies;
- Liaison and give timely feedback to help develop the full-length manuscripts on the detailed case studies;
- Convene oral presentations, and provide constructive comments to improve the manuscripts; and
- Organise a session to help the participants to address the raised comments, and submit the completed manuscripts for journal publications.

The selected manuscripts will find their final destination in any of the following international journals:

- Agricultural Water Management, Elsevier (preferably, to avoid self-advocacy and to ensure wider outreach)
- Journal of Development Effectiveness, Taylor & Francis (3ie journal)
- Irrigation and Drainage, Wiley-Blackwell (ICID journal)
- Hydrogeology Journal, Springer (IAH journal)

The WG may consider the above activities.

#### **Item 8 : Rio+20: United Nations Conference on Sustainable Development 2012**

This item was not discussed in detail but later in discussion with the President and the SG designate it was decided that formation of a task force for Rio+20 inputs would be most appropriate and this should not be part of WG-MDGs.

All the National Governments, UN Agencies as well as other interested groups have been requested by the Bureau of the UN General Assembly planning the Rio+20 to provide their views on the two major issues to be discussed at the UN Conference on Sustainable Development in Rio latest by 1<sup>st</sup> November 2011. These inputs will form the

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basis for the preparation of the Zero Draft of the outcome document of RIO+20 in 2012 which in turn could be used for revisiting the MDGs in 2015.

It was proposed that ICID should make an independent presentation to the Rio+20 Preparatory Committee. As the last date for submission is 1<sup>st</sup> November 2011, perhaps a note, duly approved by 62<sup>nd</sup> IEC could be attempted.

To facilitate discussions at the IEC, Mr. Avinash C Tyagi, Secretary General (Designate) and Director, Climate and Water Department, World Meteorological Organization (WMO) has prepared an initial Zero Draft of the proposed submission.

The Group may like to consider and refine the Zero Draft which may later be put up to IEC for approval via PCTA, before its submission to Rio+20 Secretariat.

**Item 9 : Any other business**

None.

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Minutes of the Eighteenth Meeting of the  
**ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**  
 Tehran, Iran  
 17 October 2011: 13:30-17:00 hours

**Year of Establishment: 1994**

**Mandate:**

- To ensure with the (Joint) Editor(s) that the Journal is published in accordance with editorial policies;
- To select and recommend to IEC, through PCTA, the appointment of (Joint) Editor(s), Associate Editors and Members;
- To review and update editorial policies when required, to conform with the developing ICID objectives;
- To address and resolve issues pertaining to the Journal;
- To review guidelines for authors, manuscript reviewers and book reviewers and liaise and coordinate with ICID workbodies.

**Members Present:** (1) President Hon. Prof. dr. Bart Schultz, Chairman (The Netherlands, 2002); (2) Dr. Gerhard Backeberg represented Prof. Machiel F. Viljoen, Associate Editor (South Africa, 2009); (3) Mr. Bernard Vincent, Associate Editor (France, 2010); (4) Dr. Graziano Ghinassi represented Prof. Daniele de Wrachien, Associate Editor (2010) (Italy, 2001); (5) Vice President Hon. Larry D. Stephens (USA, 2001); (6) Prof. Dr. Muhammad Arshad represented Dr. Muhammad Latif (Pakistan, 2002); (7) Dr. Jin-Yong Choi represented Vice President Hon. Prof. Kwun, Soon-Kuk (Korea, 2003); (8) Prof. Dr.-Ing. Klaus Röttcher represented Prof. Dr. Joachim Quast (Germany, 2004); (9) Dr. Yohei Sato (Japan, 2009); (10) Prof. Dr. Mohd. Amin bin Mohd. Soom (Malaysia, 2009); and (11) Dr. Vijay K. Labhsetwar, ICID Central Office.

**Observers:** (i) Vice President Dr. Willem Vlotman (Australia); (ii) Ir. Saraz Barnous (Iran); (iii) Dr. Mohammad Javad Monem (Iran); and (iv) Dr. Takao Masumoto (Japan).

**Website:** <[http://www.icid.org/wiley\\_journal.html](http://www.icid.org/wiley_journal.html)>

**Item 1 : Confirmation of the minutes of 17<sup>th</sup> meeting of the Editorial Board**

The minutes of the 17<sup>th</sup> meeting of the Editorial Board held in October 2010 at Yogyakarta (Indonesia) were confirmed.

**Item 2 : Review of the membership of the Editorial Board**

Prof. Dr. Kristoph-Dietrich Kinzli (USA) has actually started working as Associate Editor, preceding final approval in this meeting. EB-JOUR recommended that he be accepted as Associate Editor.

The acceptance of Dr. Moshin Hafeez (Australia) was postponed.

The Iranian National Committee on Irrigation and Drainage (IRNCID) had nominated Dr. Mohammad Javad Monem (Iran) for the membership of EB-JOUR and the German National Committee (GECID) had nominated Dr.-Ing. Klaus Röttcher (Germany). Both nominees attended the meeting and expressed their commitment to the work of the Editorial Board. Therefore, EB-JOUR recommended that they be accepted as members of the Editorial Board.

The Japanese National Committee (JNCID) has nominated Dr. Takao Masumoto as Associate Editor. Dr. Masumoto attended the meeting and expressed his commitment to the work of the Editorial Board. Therefore, EB-JOUR recommended that he be accepted as Associate Editor.

## 2.1 Term of members

At the occasion of the Tehran meeting, Dr. Ir. Indreswari Guritno (Indonesia) and Prof. Dr. Joachim Quast (Germany) stepped down from the Editorial Board. The meeting expressed its appreciation for the work that they have done for the Editorial Board.

### Item 3 : Reports (from Editor, Chairman etc.)

The report of the Chairman for 2010 was disseminated before the meeting. Various points emerging from this report were presented and discussed during the meeting. Some interesting points were:

- the impact factor has been reduced from 1.108 in 2009 to 0.552 in 2010. For the first time, a five year impact factor has been determined. This factor is: 0.852;
- most cited paper up to 2010: Hamdy, Ragab, Scarascia-Mugnozza : 'Coping with water scarcity: water saving and increasing water productivity' (*Special Issue published in March 2003, Volume 52.1*);
- most accessed paper up to 2010: Nobumasa Hatcho, Shiro Ochi and Yutaka Matsuno: 'The evolution of irrigation development in monsoon Asia and historical lessons' (*Special Issue published in February 2010, Volume 59.1*);
- IRD is now available in 3,600 libraries worldwide.

## 3.1 Special Issues

In 2010, there were no sponsored Special Issues.

This year there will be one sponsored Special Issue on *Deltas in Europe - Integrated water management for multiple land use in flat coastal areas*. There will be an editorial and 16 papers that have been selected and reviewed based on the papers that were submitted to the 25<sup>th</sup> European Regional Conference in Groningen, the Netherlands. The Special Issue will be mailed in December together with the regular issue 60.5. The sponsor is Rijkswaterstaat.

In 2012, we may expect two sponsored Special Issues, they being:

- One Special Issue based on selected and reviewed papers that were submitted to the 24<sup>th</sup> European Regional Conference in Orleans, France;
- One Special Issue based on papers that have been prepared by members of the Working Group on Sustainable Development of Tidal Areas.

In addition there will be a Special Issue in the regular series, based on selected papers of the ICID congress in Tehran (2011).

## 3.2 Two ICID pages per issue

Central Office prepared the two pages on a regular basis.

## 3.3 Book Reviews

Prof. Daniele de Wrachien (Italy) prepared a review of the book – "*Water in Central Asia: Past, Present and Future*" by VPH Prof. Victor A. Dukhovny and Joop L.G. de Schutter.

## 3.4 French resumés

All French resumés were checked by Mr. Bernard Vincent (France) after final approval of the papers. The EB expressed its thanks to Mr. Vincent for his continued support.

## 3.5 Recognition to the reviewers

The reviewers of 2010 have been recognised in the first issue of 2011. The reviewers of 2011 will be recognised in the first issue of 2012.

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### **3.6 Best Paper Award 2011**

In 2010, 50 papers had been published. Out of these the best paper had been selected by the Chairman, the Joint Editors and the Associated Editors. The Best Paper Award was a citation plaque along with a cash prize of either £ 250, or £ 400 – in the form of Gift Books (Wiley Publications), and the awardees had an option to choose. The '*Best Paper Award 2011*' will be presented to the winner during the IEC meeting on 23 October 2011 in Teheran, Iran.

The Best Paper Award 2011 has since been awarded to Messrs Yanbo Huang, Guy Fipps, Stephan J. Maas, and Reginald S. Fletcher (USA) to the paper titled "*Airborne Remote Sensing for Detection of Irrigation Canal Leakage*" published in Volume 59, No. 5 (December, 2010).

#### **Item 4 : Distribution of the Journal among the ICID membership**

Under the third Agreement with M/s Wiley-Blackwell for the period 2009-2013, each National Committee receives ten copies - online + print, or online only - of each issue of *Irrigation and Drainage* for free. In addition, one online access of each issue for each individual who is an incumbent, or active honoraire office bearer, or an active member of an ICID work body will be provided. In addition each individual member of a National ICID Committee is entitled to receive an online only, or an online + print subscription at the special discounted ICID member subscription fee. The hard copies are sent by M/s Wiley directly to the National Committees.

The Central Office compilation (2011) covering all categories show that there were 294 online (only) subscriptions, 273 subscriptions as online+print and 319 as print only subscriptions (Total = 886). In addition, National Committees had taken about 450 subscriptions at a special discounted ICID individual member rate.

#### **Item 5 : Issues related to M/s Wiley-Blackwell**

##### **5.1 Improved information on Manuscript Central**

Consultations had been held with M/s. Wiley-Blackwell on the improvements in the Manuscript Central System, especially focussing on:

- automatic warning to Joint editors when a new or revised paper has been received;
- fully automatic handling of papers and reviews in the system;
- automatic reminders to invited reviewers when no answer is being received within a certain period;
- more facilities based on further discussion between the chairman and the joint editors.

It may be expected that within about two months the improved system may be operational.

##### **5.2 List of key words to M/s. Wiley-Blackwell for upgrading the manuscript central system**

Based on the terms in the Multi-lingual Technical Dictionary of ICID, keywords had been submitted to Wiley, to be used in the improved system for the handling of papers.

##### **5.3 Open Access Publication**

During the meeting in Yogyakarta there was a discussion on the advantages and disadvantages of open access publishing. This may become actual when the present Agreement with Wiley-Blackwell expires by the end of 2013. Prof. Dr. Nick van de Giesen made some enquiries. This was followed by an overview as prepared by the Chairman that was circulated shortly before the meeting. In this overview, alternative options were compared:

- present practice;
- open access publishing by Wiley-Blackwell;
- open access publishing by ICID.

In this comparison, the following aspects had been considered: submission of papers, review process, publishing, promotion, subscription, revenues and miscellaneous. The overview was presented by the Chairman and discussed among the members. The members can send their comments to the chairman up to mid December 2011. Based on

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these comments and the comments by MT-JOUR and Wiley-Blackwell, the Chairman will improve the overview. Final decision will have to be taken at the next meeting in June 2012 at Adelaide, Australia.

**5.4 Follow-up of Agreement with M/s. Wiley-Blackwell after expiry of the present Agreement by the end of 2013**

The present Agreement with M/s. Wiley-Blackwell expires by the end of 2013. This implies that by 2012 a decision has to be made with respect to a continuation with M/s. Wiley-Blackwell and in what mode of publishing (present practice, or open access) or, when no agreement can be reached to change to another publisher, or in house publication. The comparison as presented under 5.3 will have to play an important role in decision making.

**Item 6 : Any other business**

The Chairman thanked the members for all their hard work for the Journal and looked forward for a good future cooperation.

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Minutes for the First Meeting of the  
**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**  
 Tehran, Iran  
 17 October 2011: 9:00-12:30 hours  
*Strategy Theme: Basin*

**Year of Establishment: 2011**

**Completion of the Mandate: 2016**

**Mandate:** (i) Identify sustainable management options of lowland, watershed, as well as sustainable development and management of water and land resources in tidal areas; (ii) To raise awareness of the increasing risk on tidal areas due to global climate change, stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas; (iii) To enhance survey, design techniques and monitoring and management programs for the irrigation and drainage facilities, and apply to collect information about the tidal area environment around the world; (iv) To review the progression of natural wetland conservation and constructed wetland development in tidal areas; (v) To join the international dialogue and organize international conferences to promote land and water management in tidal areas as well as evaluate the feasibility of tidal energy exploitation under global climate change; and (vi) To collaborate with other related working groups actively, and to exchange relevant experiences amongst NCs and support for developing, and least developed countries.

**Members Present:** (1) Dr. Park Sang Hyun, Chairman (Korea, Rep. of 2002); (2) Ir. Henk P. Ritzema, Vice-Chairman, 2009 (The Netherlands, 2002) represented by Prof. Bart Schultz; (3) Dr. Ruey-Chy Kao, Secretary, 2009 (Chinese Taipei, 2007); (4) Vice President Hon. Prof. Cai Lingen (China, 2002); (5) Dr. Indreswari Guritno (Indonesia, 2002) represented by Vice President Hon. **Dr. A. Hafied A. Gany**; (6) ) Mr. R.C. Jha represented Dr. E.J. James (India, 2002); (7) Mr. Ueda Kazumi (Japan, 2003) represented by Dr. Kazuaki Hiramatsu; (8) Mr. Teoh Weng Chaw (Malaysia, 2007) represented by Prof. Mohd. Amin. Mohd. Soom; (9) Dr. (Ms.) Hsiao-Wen Wang (Chinese Taipei, 2010) as Young Professional; and (10) Secretary General, ICID represented by Dr. Vijay K. Labhsetwar.

**Members Hon.:** (i) VP Dr. Laszlo G. Hayde (Hungary); and (ii) VPH Shinsuke Ota (Japan).

**Observer:** Dr. Jo Jin Hoon (Korea, 2009).

**Others:** (i) Ms. Chun-Yi Liu (Taiwan); (ii) Dr. Joong-Dae Choi (Korea); (iii) Dr. Kiwook Park (Korea); (iv) Ms. Eunmi Hong (Korea); (v) Ir. Jin-Yong Choi (Korea); (vi) Ir. Waled K. Shlash (Iraq); (vii) Ir. Khaled Qassim Othman (Iraq); (viii) Ir. Budi Santoso Wignyosukarto (Indonesia); (ix) Engr. Md. Ahasan Ullah (Bangladesh); (x) Ir. Sun Ju A. (Korea); (xi) Ir. Gilchai-Shin (Korea); (xii) Ir. Hiroyuki Suzuki (Japan); (xiii) Ir. Kunihiro Naito (Japan); (xiv) Prof. Dr. Tai Cheol Kim (Korea); (xv) Ir. Loh Kim Mon (Malaysia); (xvi) Dr. Chan Chee Sheng (Malaysia); (xvii) Dr. Iwamoto Akira (Japan); (xviii) Ir. Ray-Shyan Wu (Chinese Taipei); (xix) Ir. Ping Chen (Chinese Taipei); (xx) Ir. Abdal-Redha Mistad (Iraq); (xxi) Ir. Basil Irhayyim Marzok (Iraq); (xxii) Ir. Kadhimchaloob (Iraq); (xxiii) Ir. Ming-Young Jan (Chinese Taipei); (xxiv) Ir. Chang-Chi Cheng (Chinese Taipei); (xxv) Ir. Hyun-Tai Kim (Korea); (xxvi) Ir. Pei-Chun Ni (Chinese Taipei); (xxvii) Dr. Koji Inosako (Japan); (xxviii) Ir. Heru Sunarto (Japan); (xxix) Ir. Tris Radityan (Indonesia); (xxx) Ir. Ferdinand Pakpahan (Indonesia); (xxxi) Ir. Ezzatollah Farhadi (Iran); (xxxii) Ir. Iwan Nursyirwan (Indonesia); (xxxiii) Ir. Imam Ahns Mueroho (Indonesia); (xxxiv) Ir. Tohik Usmana (Indonesia); (xxxv) Ir. Sung Hee Lee (Korea); (xxxvi) Ir. Azita Ramezani (Iran); (xxxvii) Ir. Emir Faridz (Indonesia); (xxxviii) Ir. Fauzi Idris (Indonesia); and (xxxix) Ir. Mudjadi (Indonesia).

**Website:** <<http://www.wg-sdta.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 9<sup>th</sup> meeting of the erstwhile Working Group**

The minutes of the 9<sup>th</sup> meeting of the erstwhile Working Group held at Yogyakarta (2010), Indonesia were confirmed.

## A Issues emerging from the erstwhile WG-SDTA

### Item 2 : Publication of the Handbook on SDTA

The Handbook on SDTA titled 'Towards Sustainable development of Tidal Areas: Some Principles and Experiences' had been published and since been released during the Tehran Congress.

As customary, the members of the WG-SDTA, all active NCs and present office-bearers receive a complimentary copy of the SDTA Handbook.

Additional copies of the publication can be purchased from the ICID Central Office at 50% discount to National Committees and members.

Japanese NC had published Japanese proceedings based on SDTA Handbook which were circulated among NCs in March 2011.

Korean NC will publish the Handbook in Korean in 2011.

### Item 3 : A Special issue of ICID Journal on SDTA

At Yogyakarta (2010), WG members agreed that a Special Issue of ICID Journal based on SDTA - publication will be published in 2011 and NCs represented in the WG-SDTA will sponsor the Special issue. A Special issue costs about US\$ 15,000 for about 10 papers which will be reviewed by Guest Editors.

National Committee	Papers to be included	Special issue costs
Chinese Taipei	3	
Indonesia	1 (2)	
Japan	(1~3)	
Korea	3	
The Netherlands	2	
TOTAL	9 (10~13)	US\$ 15,000

Nine papers had been submitted (3 from Korea, 3 from Taiwan, 2 from The Netherlands and 1 from Indonesia).

Chairman requested Japanese NC to submit 2 or 3 papers. Dr. Hiramatsu agreed and will discuss the issue with Dr. Taniyama and expedite sending the papers from Japan.

Dr. Park hoped that Indonesia, Japan, Korea, Taiwan and the Netherlands could share the cost. Chairman informed that USD 5000 will be made available from Korean NC, requiring new WG leaders to support and manage the balance cost.

## B Issues emerging from the New Mandate

Referring to the description of the mandate (draft) at **Annex 1**, Prof. Hsiao-Wen Wang (Chinese Taipei) presented the new mandate and the six year rolling plan.

Prof. Choi Joong-Dae (Korea) recommended that sea erosion problem should also taken into consideration. In addition, Chairman Dr. Park, reminded that WG-SDTA is under ICID and the productivity and profit from the irrigation and drainage in tidal areas should be kept in mind.

### Item 4 : Review of membership of the Working Group

#### 4.1 Continuing the membership

The Indian NC has nominated (6 July 2011) Mr. T. Nagendra (India) in place of Dr. E.J. James for the membership of the WG. However he did not attend in the WG Meeting. His nomination was deferred to the next meeting.

The Indonesia National Committee of ICID (INACID) nominated Prof. Budi Santoso Wignyosukarto to replace Dr. Indreswari Guritno. His nomination was accepted, as he attended the meeting to show his willingness to contribute as a WG Member.

The Japanese National Committee of ICID (JNC-ICID nominated) Dr. Kazuaki HIRAMATSU in place of Mr. Ueda Kazumi for the membership. His nomination was accepted as he was present and had already contributed as chapter editor to SDTA Handbook.

The Korean NC nominated Dr. Park Kiwook (Korea) in place of Dr. Park Sang Hyun for the membership. His nomination was accepted, as he attended the meeting to show his willingness to contribute as a WG Member.

In addition, Engr. Md. Ahasan Ullah (Member Secretary, Bangladesh National Committee) attended the WG meeting and submitted his CV requesting WG Membership. As he came from LDC and had shown willingness to contribute, his nomination was accepted as a new WG member.

#### **4.2 Election of Chair, Vice-Chair and Secretary**

Firstly, the proposal (3 October 2011) from Ir. Henk P. Ritzema (The Netherlands) to continue as Vice-Chairman of WG-SDTA was accepted.

All the WG members agreed with the proposal of Dr. Park Sang Hyun that Prof. Ruey-Chy Kao (Taiwan) will be new Chairman of the WG.

Prof. Ruey-Chy Kao (Taiwan) proposed Prof. Kazuaki Hiramatsu (Japan) as the new Secretary and all the WG members agreed with it.

**Item 5 : Sustainable management options for lowlands**

**Item 6 : Climate change and increasing risks on tidal areas**

**Item 7 : Survey – past design and management systems, operational standards and rehabilitation methods**

**Item 8 : Review the progression of natural wetland conservation and constructed wetland development in tidal areas**

**Item 9 : Organize international dialogue / conferences to promote land and water management in tidal areas**

As for as item 5 to 9 were concerned, Prof. Hsiao-Wen Wang (Taiwan) presented some of the possible management options for each criterion. Dr. Park Sang Hyun (Korea) emphasized that the work plan shall reflect the SDTA principles in detail, including productivity, ecological conservation and disaster prevention for the sustainable development and management of irrigation and drainage activities in Tidal areas. New WG Chairman and leaders will further revise and improve the work plan.

**Item 10 : Internal Workshop of WG-SDTA, Tehran, Iran**

The internal workshop of WG-SDTA titled “*Sustainable Water / Environment Management in Tidal Areas*” is scheduled to be held on 17 October 2011 (13:30-17:00 hours).

**Theme:** “Sustainable Water / Environment Management in Tidal Areas”

**Sub-themes:**

1. Water Quality Management in Tidal Areas
  2. Ecological Resources Management in Tidal Areas
  3. Flood Management in Tidal Areas
  4. Engineering for Sustainable Development of Tidal Areas
  5. Integrated Tidal Area Management and Decision and Policy Making
-

Nine papers have been received, so far: Taiwan (3), Indonesia (1), Korea (3), and The Netherlands (2). Integrated Review has been carried out by WG Leaders including Prof. Henk, Prof. Ruey and Ms. Liu (Chinese Taipei) in WG Secretariat as well as Mr. Kim Ju Chang (Korea).

Korean NC supported the printing of the WS Proceedings in cooperation with Prof. Kao, as ever. The list of papers is available at **Annex 2**. Selected papers will find a place in the Special Issue of ICID Journal on SDTA in 2012.

**Item 11 : Work Plan / Future Activities**

At the WG meeting in Tehran, detailed Six-years rolling plan (**Annex 3**) for future activities of the WG SDTA was presented by Prof. Hsiao-Wen Wang (Taiwan) It was accepted by the WG. Some part of the plan will be revised later.

**Item 12 : Any Other Business**

**Best Performing Work body Award (2011)**

Chairman announced that the WG-SDTA had been selected to get the 3<sup>rd</sup> Award for the Best Performing Workbody in 2011.

The Chairman appreciated all the WG members and distinguished supporters who have devoted to publish Handbook on SDTA and organize International Workshops for 8 consecutive years from 2002 to 2010, supported by numerous ICID NCs and ICID leaders.

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**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)****Mandate:**

- (i) Identify sustainable management options of lowland, watershed, as well as sustainable development and management of water and land resources in tidal areas;
- (ii) To raise awareness of the increasing risk on tidal areas due to global climate change, stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas;
- (iii) To enhance survey, design techniques and monitoring and management programs for the irrigation and drainage facilities, and apply to collect information about the tidal area environment around the world;
- (iv) To review the progression of natural wetland conservation and constructed wetland development in tidal areas;
- (v) To join the international dialogue and organize international conferences to promote land and water management in tidal areas as well as evaluate the feasibility of tidal energy exploitation under global climate change;
- (vi) To collaborate with other related working groups actively, and to exchange relevant experiences amongst NCs and support for developing, and least developed countries.

**Description of the Mandate (Draft)**

Tidal areas, with abundant ecosystems, are important interactive water-land environments. Due to the global climate change, tidal areas are threatened complicatedly by rising sea level, extreme floods events and droughts and so on.

It is hence urgent to revisit the past design and management system, operational standards and rehabilitation methods of the existing irrigation and drainage facilities, and review the progression of natural and constructed wetlands in near shore, estuary, and tidal flat areas.

Aiming to reduce CO<sub>2</sub> and protect the ozone shield, green power generation such as wave or tidal current energy is adopted, hoping that by which measure we can slow down the climate change. However, as offshore energy infrastructures are being established increasingly, facilities such as offshore wind farms may occupy large areas and compete with other users of the maritime space. Offshore platforms than can combine many functions within the same infrastructure could offer significant benefits in terms of economics, optimizing spatial planning and minimizing the impact on the environment.

Hence, novel innovative designs for multiuse offshore platforms targeting ocean renewable energy and in particular offshore wind, aquaculture and the related services should be developed in tidal areas. Efforts need to be made to address the interaction between energy and other platform users, and to assess the economic viability and environmental impacts in Tidal areas. Also, in order to better understand the changing tidal area environment, we have to introduce enhanced survey techniques and systematic monitoring programs in the tidal area.

Under the pressure of human activities, tidal land area in many countries has been subsiding due to over-pumping groundwater. Problems such as sea water intrusion, land salinization, and decreasing land value could then occur in higher potential. While tacking with the extreme events, ICID WG-SDTA should initiate more discussions on and raise awareness of the increasing risk on tidal areas by joining international dialogues and organizing international conferences in cooperation with related WG, such as WG-DRG, WG-DRG, WG-CLIMATE and WG as well as WGENV, supported by each regional WG and NC who are concerned with Tidal areas.

The ultimate goal for WG-SDTA is to find a balance between the preservation and development of tidal areas, and thus provide relevant experiences to assist island, developing, and undeveloped countries.

WG SDTA will derive feasible strategies of sustainable management of lowland, watershed, and water and land resources to reduce the risk or appropriate exploitation of tidal and ocean energy to reduce carbon dioxide emissions should be formed.

**INTERNAL WORKSHOP OF WG-SDTA**

***“Sustainable Water / Environment Management in Tidal Areas”***  
**17 October 2011 (13:30-17:00 hours)**

1. Temporal and Spatial Variations of heavy Metal Concentrations in Sediments of the Tainan Coastal Area, Taiwan- Ping Chen, et.al
  2. Habitat for the Migratory Birds in Tidal Land Reclamation Area of Korea-Dr. Sang-Hyun Park, Jae-Ok Kim, Kwang-Jae Ji and Deog-Bae Lee
  3. Strategies to Cope with Uncertainty in the Development of Water Management Practices in Tidal Areas-Dr. H.P. Ritzema
  4. Catchment Water Quality Management Planning for Sustainable Development of Tidal Areas-Prof. J. oong-Dae Choi, Kyong-Jae Lim and Cheol-Hee Won
  5. Application of Decision Support System to Sustainable Lowland Planning and Management in Yunlin Area, Taiwan- Prof. Hsiao-Wen Wang, et.al
  6. Monitoring of Shallow Groundwater Salinity in Livestock Manure Application to Tidal Reclaimed Land- Ms. Eun-Mi Hong, Jin-Yong Choi, Seung-Hwan Yoo, et.al
  7. Reliability of Tidal Irrigation System for Leaching and Flushing of Acidity in the Reclamation of Acid Sulphate Soil, Kalimantan Indonesia- Dr. Budi Santoso et.al
  8. Global Inventory of Closed-Off Tidal Basins and Developments after the Closure- Prof. Bart Schultz, Laszlo Hayde
  9. Investigation and Assessment of Submarine Groundwater Discharge of Ping-Tung Near Shore Area in Southwestern Taiwan- Prof. Ruey-Chy Kao, et.al
-

**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)  
SIX-YEARS ROLLING PLAN**

<b>Activity</b>	<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>
<b><i>Publication of Special Issue</i></b>						
• Announcement Guidelines	✓		✓ (3)	✓		
• Inviting Authors	✓		✓	✓	✓	
• Study and Writing	✓			✓	✓	
• Publication of the Special Issue		✓ (1)				✓
• Dissemination of the Special Issue		✓ (2)				✓
<b><i>Workshop</i></b>						
• Determining subject of workshops	✓	✓		✓		
• Workshops	✓		✓		✓	
• Website dissemination	✓	✓	✓	✓	✓	✓
<b><i>Short Courses</i></b>						
• Determining subject of short course			✓		✓	
• Determining organizer of each course			✓		✓	
• Preparing			✓		✓	
• Short courses				✓		✓
• Website dissemination		✓	✓	✓	✓	✓
<b><i>New Membership</i></b>	✓	✓	✓	✓	✓	✓
<b><i>SDTA Information Platform</i></b>	✓	✓	✓	✓	✓	✓
<b><i>Visiting member counties (experience sharing and discussion)</i></b>	(to be discussed)					

\*(1) and (2): indicate the publication of special issue on the topic "Sustainable Water / Environment Management in Tidal Areas".

\*(3): In 2013, WG leaders will discuss the new theme and topic for another special issue.

Minutes of the Sixth Meeting of the  
**WORKING GROUP ON GLOBAL CLIMATE CHANGE AND  
 AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**  
 Tehran, Iran  
 17 October 2011: 13.30-17.00 hours  
*Strategy Theme: Systems*

**Year of Establishment: 2005**

**Completion of the Mandate: 2014**

**Mandate:**

- To review the progression of and predictions for Global Climate Change (GCC) and climate variability,
- To explore and analyze the medium-term implications of climate change and climate variability for irrigation, drainage, and flood control,
- To stimulate discussion and raise awareness of water-related GCC issues within the ICID family,
- To stimulate discussion at national scales among scientists, policy makers, and through the media, the general public on GCC and water, and
- To join the international dialogue on GCC and water.

**Members Present:** (1) Dr. Tsugihiko Watanabe, Vice Chairman (Japan, 2006); (2) Prof. Ray Shyan Wu, Secretary (Chinese Taipei, 2007); (3) VPH Dr. Karim Shiati (Iran, 2006); (4) Prof. Heping Hu (China, 2008); (5) Prof. Sue Walker (South Africa, 2009); (6) Dr. Roestam Sjarief (Indonesia, 2010) represented by Lolly Martina; (7) Dr. Juan A. Rodriguez-Diaz (Spain, 2010) represented by Ricardo Segura.

**Apology:** VPH Dr. Mark Svendsen (USA), Chairman.

**Members Honoraire Present:** (1) Dr. R. Ragab, Vice President, ICID (UK); (2) Dr. Shinsuke Ota, Vice President, ICID (Japan).

**Observers:** Forty observers were present at the session at various times (please see **Annex**)

**Website:** <<http://140.115.62.223/raywu/ICID/index.php>>

*Vice Chairman Dr. Tsugihiko Watanabe chaired the WG meeting, as requested by Chairman VPH Dr. Mark Svendsen*

**Item 1 : Confirmation of the minutes of the 5th meeting of the Working Group**

The minutes of the 5th meeting of the Working Group held at Yogyakarta in October 2010 were confirmed.

**Item 2 : Review of membership**

The Indian National Committee on Irrigation and Drainage (INCID) nominated Dr. S.K. Dash in place of Dr. Krishna Kumar Kanikicharla for the membership of the WG. Dr. Dash did not attend the meeting. INCID has indicated that new arrangement will be made on this nominee later on.

The following nominations were deferred once again due to their non-attendance at the Tehran meeting:

- Dr. Edward Keith Weatherhead (UK)
- Ir. C.W.J. Roest (The Netherlands)
- Mr. Naseer Ahmed Gillani (Pakistan)
- Ms. Flaviana S. Hilario (Philippines)

## CONTINUING ITEMS

### Item 3 : Work Plan of the Group

The group's tenure was extended until 2014. At Yogyakarta meeting the following items were approved for inclusion in the work plan:

- Continue a program of sharing knowledge among members and other interested parties;
- Co-sponsor and support the Tehran Symposium on Climate Change Impacts on Soil and Water Resources (see Item 8);
- Serve as convener, on behalf of ICID, of a one-day session at the 2012 WWW in Stockholm, which has as its theme Water and Food Security;
- Support preparations for ICID input to WWF6 on issues dealing with climate change; and
- Contribute to the UN Water Task Force on Water and Climate.

The WG-DRG had suggested transferring the topic 'Impact of climate change on drainage' to WG-CLIMATE due to lack of inputs from members. No member from WG-DRG was available hence the issue was not discussed.

Vice Chairman Watanabe and Chairman Svendsen attended the World Water Week (WWW) in Stockholm. Dr. Watanabe informed that the WWW is held annually at Stockholm as a forum for the exchange of views and experiences between scientists, policy makers, and business people around the world and reported that the theme for WWW 2012 is *Water and Food Security*. The theme for World Water Day 2012 is also *Water and Food Security: Call for Solutions*. The Chairman had some initial interactions with the Research Institute for Humanity and Nature (RIHN) in Japan, SIWI, FAO, and IWMI regarding the organization of a one-day Seminar at WWW 2012 on the topic *Adapting Agriculture to a Climate Changing World*. The group agreed that this would be a useful seminar and the PCTA had recommended its approval to take on the role of convener of such a session. Conclusions and insights generated in the Tehran meeting/ symposium could be further explored in the WWW 2012 session. Further development will be provided via email to members and posted on the webpage.

### Item 4 : Website of the Working Group

The new version of website of the Group <<http://ctcid.water.tku.edu.tw/icidwg-climate>> as prepared by Prof. Ray-Shyan Wu (Chinese Taipei) is functional. The website is linked with ICID website. The website provides updated information on membership, agenda, minutes, presentation etc. Prof. Ray Shyan Wu expressed gratitude towards Chinese Taipei Committee (CTCID) for providing its website service. All members are requested to visit the website and provide relevant documents to Dr. Ray-Shyan Wu/ Central Office for posting.

### Item 5 : Report of the Task Forces related to the group

#### • UN Water Task Force on "Water and Climate"

The establishment of a UN-Water Task Force on 'Water and Climate Change' was proposed in 2008 aiming to offer 'an opportunity to further discuss climate change and water linkages in their widest sense and to ensure that the UN-System in general, and UN-Water in particular, is better prepared to meet further challenges and play an essential role in this area'. The TF was coordinated by Mr. Avinash Tyagi, Director, Climate and Water Department, WMO (now SG-Designate).

In order to respond to the challenges posed by GCC, a long-standing coordination mechanism was required. Hence, as per the decision of the UN-Water meeting in January 2010, the Task Force on Water and Climate Change was transformed into the *Water and Climate Change Thematic Priority Area (WCC-TPA)*.

The core objective of the WCC-TPA is to strengthen UN System coordination on activities related to water and climate change in order to facilitate assessment by Member countries of the impacts of climate change on water and adoption of strategies for meeting the challenges of climate change both for adaptation and mitigation in the related water sub-sectors.

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For the period 2009-2010 the following activities have been completed:

- fostering cooperation and coordination in preparatory activities and at the 5th World Water Forum in March 2009 in sessions, the political track and inside events,
- making a significant contribution to the outcomes of the World Climate Conference-3 in August-September 2009,
- carrying out a mapping exercise of UN-Water members and partners on mandates and capacities related to water and climate issues,
- investigate opportunities to support the COP process (UNFCCC) in relation to water and climate change.

The following activities are ongoing:

- assessing capacity gaps within UN-Water and produce guidelines for members addressing the key challenges and water-related adaptation/mitigation issues,
- develop a joint program on climate change mitigation and adaptation in water sector, with a joint pilot project in one of the identified countries under the one-UN, in collaboration with the UN-Water Task Force on Country Level Coordination,
- build awareness at various levels on climate change issues in various water related sectors,
- develop relevant joint publications to serve the above purposes.

More information on the TF can be viewed at <<http://www.unwater.org/TFclimate.html>>.

VPH Dr. Karim Shiati appraised his involvement with UN-Water. Mr. Adama Sangare, President of AMID (Mali) invited members to attend 3<sup>rd</sup> African Regional Conference of ICID Food Security and Climate Change held in Mali in November 2011.

- **ICID Asian Regional Task Force on Climate Change and Irrigation (ARTF-CC)**

ARTF-CC was set up at the Sacramento meeting of Asian Regional Working Group to study adaptation measures to tackle with climate change in the field of irrigation and drainage. It is obvious that countermeasures will vary from country to country, depending upon respective climatic condition and degree of climate change effect as well as socio-economic development stage and present status of irrigation and drainage facilities. Nevertheless, this study aims at finding out some similarity among countries under common conditions and universal ideas lying under various cases, which will be useful and referred to when irrigation/drainage engineers, working as government officials, researchers, practitioners and others, consider practical mitigation/adaptive measures to meet their own conditions related to climate change.

The study was carried out by compiling information through a questionnaire and country case studies. So far, 11 countries have participated in this study and have submitted 14 cases. ARTF-CC compiled the results available so far in a draft report and presented during Tehran meeting as well as ICID Symposium on '*Climate Change Impacts on Soil and Water Resources*'. The final report will be prepared for the 6<sup>th</sup> World Water Forum to be held in Marseille in 2012.

Vice President Shinsuke Ota gave presentation on the draft report and some comments were given by members.

**Item 6 : WG related communications**

Vice Chairman Watanabe apprised the members of the related communications circulated by the Central Office. These include the following -

- Background note on Climate change, water and food security, Eva Ludi, March 2009 (<http://www.odi.org.uk/resources/download/3148.pdf>)
  - Climate change reference guide, Alice Mckeown and Garry Garnder (<http://www.worldwatch.org/files/pdf/CCRG.pdf>)
  - Agriculture, Food Security and Climate Change: Outlook for Knowledge, tools and action, CCAFS Report No.3 ([http://ccafs.cgiar.org/sites/default/files/pdf/ccafs\\_report\\_3-low-res\\_final.pdf](http://ccafs.cgiar.org/sites/default/files/pdf/ccafs_report_3-low-res_final.pdf))
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- Impacts of climate change on water resources and agriculture and Sri Lanka: A review and preliminary vulnerability mapping, Nishadi Eriyagama, Vladimir Smakhtin, Lalith Chandrapala and Karin Fernando, IWMI Research Report 135 (<http://ccsl.iccip.net/rr135.pdf>)
- Water storage in an era of climate change: Addressing the challenge of increasing rainfall variability, Matthew McCartney and Vladimir Smakhtin, Blue paper, IWMI ([http://www.hydrology.nl/images/docs/alg/2010\\_IWMI\\_Blue\\_Paper\\_Water\\_Storage\\_Climate\\_Change.pdf](http://www.hydrology.nl/images/docs/alg/2010_IWMI_Blue_Paper_Water_Storage_Climate_Change.pdf))
- Sustaining water for all in a changing climate, World Bank group implementation progress report of the water resources sector strategy (<http://siteresources.worldbank.org/NEWS/Resources/sustainingwater.pdf>)
- Addressing climate change in Asia and the Pacific – Impacts on food, fuel and people, Asian Development Bank (<http://www.adb.org/Documents/Brochures/Climate-Change/brochure.pdf>)
- A press release titled “New Commission confronts threats to food security from climate change”
- National Water Commission for Mexico (CONAGUA)’s publication “Dialogs for water and climate change: Call to action”

Members are encouraged to provide their comments/ suggestions on the above documents to the Chairman and also inform about the other web links/ documents related to the activities of the WG.

Dr. S. Perret, Chair WG-ENV apprised the members about the current plan of the WG in forming Task Force to look into environmental impact assessment and life cycle approach on irrigation projects, and expressed the willingness to keep close liaison with WG-CLIMATE.

**Item 7 : Methane flux from irrigated wetlands rice fields**

Vice Chairman Dr. Watanabe explained the progress of the new research program at Research Institute for Humanity and Nature (RIHN) on methane measurements from a new Japanese satellite (GOSAT) from paddy fields, which was introduced at the Yogyakarta meeting. He however reported that the project has been suspended due to its academic merits and financial problem.

**Item 8 : Symposium on Climate Change at Tehran in 2011**

The *Symposium on Climate Change Impacts on Soil and Water Resources* held on 20 October as a part of 21st Congress. The symposium was co-sponsored by the WG. In the Symposium, 10 papers (9 oral and 1 poster) were presented. Messers Sue Walker and Ray Shyan Wu, contributed to the symposium by providing papers and presentations and also apprised at the meeting.

**Item 9 : Any other business**

Mr. Maurice Roos from CA DWR was invited and made a brief presentation on “Can We Save the California Delta from the Effects of Sea Level Rise”. Some comments were received from the audience. The presentation material can be reached through WG webpage.

No other point was raised and meeting was closed.

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**WORKING GROUP ON GLOBAL CLIMATE CHANGE AND  
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)****List of Observers during 6<sup>th</sup> Meeting of WG-CLIMATE, Tehran**

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<b>Country</b>	<b>Name</b>
China	Hu Heping
Chinese Taipei	Kuan-Pei Lin, Mei-Chang Chen, Ming-Hsiu Chou, Chong-Chi Cheng, Ming-Young Jan
Finland	Jaako Sierla
France	Dr. Sylvain Perret
India	Dr. Suhas P. Wani, Dr. N. Asokaraja
Indonesia	Zulfan Zahar
Iran	Darush Bahrehdar, Alireza Salamat, Masoud Settani, Elham Khazaei, Mohammad Salman Sabahi, Fateme Kamali
Iraq	Ahmed M. Aziz
Japan	Prof. N. Hatcho, Hiroyaki Suzuki, Kunihiko Naito, Hajimz Tanji
Korea	Sun-Ju An, Dong-Koun Yun, Gilchai Shim, Hun Sun Lee
Mali	Dr. Adama Sangare, Aliou Bamba
Mongolia	Khishigsuren A, Baranchulum S
Niger	Moussa Amadou
South Africa	Yacob Beletse. Andre Roux, Mary Jean Gabriel, Michael van der Laan
USA	Maurice Roos

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Minutes of the Fourteenth Meeting of the  
**WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)**  
 Tehran, Iran  
 17 October 2011: 13.30-17.00 hours  
*Strategy Theme: On-Farm*

Year of Establishment: 1998

Completion of the Mandate: 2014

**Mandate:**

- To promote on-farm irrigation as part of integrated water resources management, and
- To promote sustainable efficient approaches for on-farm irrigation.

**Members Present:** (1) VPH Felix B. Reinders, Chairman, 2004 (South Africa, 1998); (2) VPH Prof. Peter Kovalenko, Vice Chairman, 2005 (Ukraine, 2001); (3) Dr. Kim Sun-Joo (Korea, 1999) represented by Dr. SO Chung; (4) Mr. Yeh Shu-Shr (Chinese Taipei, 1999) represented by Mr Y. F. Ho; (5) Mr. Yan Guanyu (China, 2002) represented by Dr Gao Zhanyi; (6) VPH Dr. J.A. Ortiz (Spain, 2003); (7) Mr. Graziano Ghinassi (Italy, 2004); (8) Mr. Hassan Shantia (Iran, 2006) represented by E Farahani; (9) Dr. Makoto Yokozawa (Japan, 2009) represented by Dr A Iwamoto; (10) Prof. Dr. Rai Niaz Ahmed (Pakistan, 2009); (11) Mr. Jeremy Cape (Australia, 2010) represented by Mr Ian Atkinson; and (12) Secretary General, ICID represented by Dr S. A. Kulkarni.

**Permanent observers:** (i) FAO Representative (Dr. T. Wahay)

**Apologies:** (1) Dr. A.K. Randev, Secretary (2009) (India, 2005); (2) Dr. Abraham Mehari Haile (The Netherlands, 2008); (3) Mr. François Chrétien (Canada, 2010); (4) Mr. Mohan Reddy Junna (USA, 2007); and (5) Mr. Bruno Molle (ISO)

**Absent:** (1) VPH Prof. F. Ligetvari (Hungary, 1998); (2) Mr. P. Ruelle (France, 1999); (3) Mr. J. Dunn (UK, 2002); (4) Mrs. Mira Edelbeher (Slovenia, 2009)

**Member Honoraire Present:** Mr. Peter Lee, President Hon., ICID (UK)

**Observers:** (1) Helen Murdoch (Australia); (2) Mr. Stephen Mills (Australia); (3) Eng. Othman S. Omar (Tanzania); (4) Puleng Mofokeng (South Africa); (5) Hyun-Tai, Kim (Korea); (6) Chu-Peng, Hsu (Chinese Taipei); (7) Pei-Chun Ni (Chinese Taipei); (8) Helen Reynolds (Chinese Taipei); (9) Carl Walters (Australia); (10) Kevin Minoque (Australia); (11) Hayati binti Zainal (Malaysia); (12) Hassan Al Husain (Syria); (13) Shuichi Matsushima (Japan); (14) Koji Inosako (Japan); (15) Chen Wen-Hsing (Chinese Taipei); (16) Sheng-Hsien Hsieh (Chinese Taipei); (17) Mohd Yazid Abdullah (Malaysia); (18) Sabine Walser (Germany); (19) Jano Anter (Germany); (20) Anna Tedeschi (Italy); (21) Loh Kim Mon (Malaysia); (22) Ali Gorji; (23) Dadane Kidwax (Indonesia); (24) Dr. K. Yella Reddy (India); (25) Abdolreza Fallah Rastegar; (26) Ghasem Zaret; (27) Hossein Dehghaani Sanij; (28) Mr. Uttamraj Timilsina (Nepal); (29) Dr. Chan Chee Sheng (Malaysia); (30) Dr. Mukhamedjanov Shukhrat (Uzbekistan)

**Website:** <<http://www.wg-on-farm.icidonline.org>>.

**Item 1 : Confirmation of the minutes of the 13th meeting of the Working Group**

The minutes of the 13<sup>th</sup> meeting held at Yogyakarta were circulated and approved by the WG.

**Item 2 : Review of membership of the Working Group****2.1 New nominations**

The following nominations as received from National Committees of Malaysia (MANCID), Germany (GECID) and Japan (JNC-ICID) together with their CV's for the membership were accepted.

- Mr. Yazid bin Abdullah (Malaysia)
- Mr. Jano Anter (Germany)
- Dr. Akira Iwamoto in place of Dr. Makoto Yokozawa (Japan)

## **2.2 Election of new Chairman**

Mr. Felix Reinders (South Africa) has been serving as the Working Group Chairman from the last seven years. However, due to his new responsibility as the Chairman of the PCTA, the working group discussed about nomination/ election of a new chairperson. Mr. Jeremy Cape from Australia was proposed by the group. However, as Mr. Cape did not attend the meeting, Mr. F. Reinders would contact him to check his willingness to take over the Chairmanship.

## **2.3 Termination of membership.**

The group terminated the membership of Mr. P. Ruelle (France) and Mr. J. Dunn (UK) due to their non-attendance consecutively for the past three meetings.

## **A. CONTINUING ITEMS**

### **Item 3 : To review the progress in preparation of documents**

#### **3.1 Paper on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”**

The paper on “Improvement of the On-Farm Irrigation Systems using Simple Water Control, Measuring and Application Devices” has not been completed as yet. However, a presentation on this topic was planned on 21 October 2011 during the Australian technical session.

#### **3.2 Paper on “Micro Irrigation for Smallholders and Greenhouses”**

The final version of the paper “Micro irrigation for smallholders and greenhouses” by Prof. Y. Nakano (Japan) will be reviewed and will be sent to the ICID Journal Publishers for its possible acceptance before the next meeting in Australia in 2012.

### **Item 4 : Liaison with the ISO/TC23/SC18**

The next (30th) meeting of the ISO/TC23/SC18 will be held in the City Hotel in Tel-Aviv, Israel from 14-18 November 2011. In consultation with Chairman VPH Reinders, the Central Office requested Mr. Bruno Molle to represent ICID at the TC23/SC18 meeting in Tel-Aviv. Dr. J. Mohan Reddy (USA) has also shown interest in attending the meeting. Possibility of participation of an Israel National Committee representative may also be explored. However there was no confirmation from any one to attend the meeting.

### **Item 5 : World-wide Usage of Micro and Sprinkler Irrigation**

#### **5.1 Datasheet on Sprinkler and Micro Irrigated Areas in ICID Network Countries**

At Yogyakarta, the group noted the latest statistical information compiled by the Central Office and requested all National Committees to check for any omissions/ corrections and update their information. As suggested by the group, the Central Office once again circulated the datasheet to all National Committees and requested to confirm the data/ send the updated information. In response, the ICID Central Office received responses from the National Committees of Czech Rep., Lithuania, South Africa, and Spain.

The updated statistical information compiled by the Central Office pertaining the micro and sprinkler irrigated areas in ICID member countries is shown in **Annex 1**.

All members were requested to go through the data sheet and offer their observations or amendments, if any.

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## **5.2 Survey of 'World-wide Usage of Sprinkler and Micro irrigation'**

No discussion took place on the questionnaire prepared for collecting information on "World-wide Usage of Sprinkler and Micro irrigation".

### **Item 6 : Website of the Workbody**

The website for the working group has been functional. There was scope to add/ update new information from member countries. The Chairperson asked all those participants of the meeting to submit information and articles, news, etc. pertaining to their countries for posting on the WG website.

### **Item 7 : 8th International Micro Irrigation Congress (8IMIC), Tehran, 2011**

The 8th International Micro Irrigation Congress (8IMIC) will be held in Tehran during 19-23 October 2011 along with the 21st International Congress on Irrigation and Drainage. The theme of the 8IMIC is "*Innovation in Technology and Management of Micro-irrigation for crop Production Enhancement*".

IRNCID received 96 papers (comprising 55 oral and 41 poster presentations) for the 8IMIC. All the papers were reviewed by a team of experts. President Prof. Chandra Madramootoo will be the Keynote Speaker at the Opening Ceremony of the 8IMIC. VPH Felix Reinders will be the General Reporter for the 8IMIC. All the members are encouraged to attend the IMIC.

### **Item 8 : Work plan of the Group**

- 8.1** The work plan of the Working Group was discussed and adjusted and is shown as **Annex 2**.
- 8.2** Possibility of organizing the next Micro Irrigation Congress was discussed. Representatives from countries attending the meeting were asked if they would be interested to host the next (9<sup>th</sup>) Congress. Australia indicated that they will discuss the matter within IACID and provide feedback at the next meeting.
- 8.3** Australia announced that the new irrigation technology called Fast Furrow Irrigation System was developed and has proved to be water efficient.

### **Item 9 : Upgrading/ modernization of surface irrigation systems**

The Working Group still awaits the response from Professor Mohan Reddy, since he expressed his interest in preparing a book on Upgrading/ modernization of surface irrigation systems. However, there was no feedback from Dr. Reddy. Central Office is asked to follow up.

### **Item 10 : Nomination of WG for the 3rd Best Performing Workbody Award (BPWA)**

The working group submitted its candidature for the "3<sup>rd</sup> Best Performing Workbody Award" but was not successful. It was however a worthwhile experience for the group and will consider to submit for its candidature again next time at the time of the 22<sup>nd</sup> Congress in 2014.

### **Item 11 : Any other business**

#### **Irrigated area and irrigation efficiency**

The data was compiled from various countries on page A-141 Annexure 3 of the printed Agenda of the WG. The group emphasized that it would be interesting to compare the irrigation efficiency levels achieved among countries, and that there was a need to standardize the efficiency measuring methodology, internationally. Some countries are using groundwater sources while the others use the surface water sources and thus the overall irrigation efficiency varies. It was also noted that the application rate of the systems needs to be included in efficiency computation as well.

The group suggested that Chinese National Committee (CNCID) may like to constitute a Work Team to work on this important topic. WG will extend technical support as required.

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**The following presentations were made at the meeting:**

- “*Software on Drip Irrigation System*” by Dr. Ghinassi from Italy.
- “Irrigation efficiency: A South African framework” by Mr. Felix Reinders (South Africa).
- “*Low Pressure Irrigation System*” presented by Mr. E. Farahani (Iran).

All the presentations will be posted on the WG website.

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**WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)**

**Sprinkler and Micro Irrigated Area in Member Countries**  
*(Arranged in descending order of the total sprinkler and micro irrigated area)*  
 (Data provided by National Committees)

Sl. No.	Country	Total irrigated area (Million hectares)	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
			Hectares				
1	USA	24.7	12,348,178.14	1,639,676.11	13,987,854.25	56.5	2009
2	India	60.9	3,044,940.00	1,897,280.00	4,942,220.00	8.1	2010
3	China	59.3	2,926,710.00	1,669,270.00	4,595,980.00	7.8	2009
4	Russia	4.5	3,500,000.00	20,000.00	3,520,000.00	78.2	2008
5	Brazil	4.45	2,413,008.00	327,866.00	2,740,874.00	61.6	2006
6	Spain	3.41	732,925.00	1,628,705.00	2,361,630.00	69.3	2010
7	Italy	2.67	981,163.00	570,568.00	1,551,731.00	58.1	2010
8	France	2.9	1,379,800.00	103,300.00	1,483,100.00	51.1	2011
9	South Africa	1.67	920,059.00	365,342.00	1,285,401.00	77.0	2007
10	Saudi Arabia	1.62	716,000.00	198,000.00	914,000.00	56.4	2004
11	Iran	8.7	460,000.00	270,000.00	730,000.00	8.4	2009
12	Australia	2.545	524,480.00	190,720.00	715,200.00	28.1	2000
13	Canada	0.87	683,029.00	6,034.00	689,063.00	79.2	2004
14	Ukraine	2.18	618,000.00	48,000.00	666,000.00	30.6	2010
15	Mexico	6.2	400,000.00	200,000.00	600,000.00	9.7	1999
16	Korea	1.010	200,000.00	400,000.00	600,000.00	59.4	2009
17	Egypt	3.42	450,000.00	104,000.00	554,000.00	16.2	2000
18	Germany	0.54	525,000.00	5,000.00	530,000.00	98.1	2005
19	Japan	2.50	430,000.00	60,000.00	490,000.00	19.6	2010
20	Romania	1.5	448,000.00	4,000.00	452,000.00	30.1	2008
21	Slovak Rep.	0.313	310,000.00	2,650.00	312,650.00	99.9	2000
22	Israel	0.231	60,000.00	170,000.00	230,000.00	99.6	2000
23	Morocco	1.65	189,750.00	8,250.00	198,000.00	12.0	2003
24	Hungary	0.22	185,000.00	7,000.00	192,000.00	87.3	2008
25	Syria	1.28	93,000.00	62,000.00	155,000.00	12.1	2000
26	Turkey	5.34	110,000.00	26,000.00	136,000.00	2.5	2009
27	UK	0.11	105,000.00	6,000.00	111,000.00	100.9	2005
28	Finland	0.086	79,000.00	1,000.00	80,000.00	93.0	2009
29	Portugal	0.63	40,000.00	25,000.00	65,000.00	10.3	1999
30	Kazakhstan, Rep.	2.13	57,355.00	-	57,355.00	2.7	2006

Sl. No.	Country	Total irrigated area (Million hectares)	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
			Hectares				
31	Malawi	0.055	43,193.00	5,450.00	48,643.00	88.4	2000
32	Chile	1.09	16,000.00	23,000.00	39,000.00	3.6	2006
33	Chinese Taipei	0.38	18,850.00	8,750.00	27,600.00	7.3	2009
34	Bulgaria	0.588	21,000.00	3,000.00	24,000.00	4.1	2008
35	Czech Rep.	0.153	11,000.00	5,000.00	16,000.00	10.5	2007
36	Philippines	1.52	7,175.00	6,635.00	13,810.00	0.9	2004
37	Poland	0.1	5,000.00	8,000.00	13,000.00	13.0	2008
38	Slovenia	0.0073	8,072.00	733.00	8,805.00	121.0	2009
39	Malaysia	0.38	2,000.00	5,000.00	7,000.00	1.8	2009
40	Macedonia	0.055	5,000.00	1,000.00	6,000.00	10.9	2008
41	Lithuania	0.0044	4,463.00	-	4,463.00	101.4	2010
42	Estonia	0.001	500.00	500.00	1,000.00	100.0	2010
	<b>Total</b>	<b>211.8918</b>	<b>35,072,650.1</b>	<b>10,082,729.1</b>	<b>45,155,379.3</b>	<b>21.3</b>	

**Working Group on ON-farm Irrigation Systems (WG-ON-FARM)****Work plan (2011-2014)**

<b>2011</b>	<b>2012</b>	<b>2013</b>	<b>2014</b>
<ul style="list-style-type: none"> <li>Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"</li> </ul>	<ul style="list-style-type: none"> <li>Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"</li> </ul>	<ul style="list-style-type: none"> <li>Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"</li> </ul>	<ul style="list-style-type: none"> <li>Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"</li> </ul>
8th International Micro irrigation Congress (IMIC) in Tehran, Iran		Plan and coordinate with the Organizers of the 9th International Micro irrigation Congress	Plan and coordinate with the Organizers of the 9th International Micro irrigation Congress
<ul style="list-style-type: none"> <li>Circulate the questionnaire again among members of the group for their final comments</li> </ul>	<ul style="list-style-type: none"> <li>Finalize the revised questionnaire on "Survey of world-wide usage of sprinkler and micro irrigation" and circulate to NCs</li> </ul>	<ul style="list-style-type: none"> <li>Compile information received from countries filled in "Survey of world-wide usage of sprinkler and micro irrigation".</li> </ul>	Prepare draft compilation for circulation among national committees
<ul style="list-style-type: none"> <li>Review paper on "Micro irrigation for smallholders and greenhouses"</li> </ul>	<ul style="list-style-type: none"> <li>Publish paper on "Micro irrigation for smallholders and greenhouses"</li> </ul>		
<ul style="list-style-type: none"> <li>Prepare paper on "Field Water Management and Soil Conservation under Spate Irrigation"</li> </ul>	<ul style="list-style-type: none"> <li>Publish paper on "Field Water Management and Soil Conservation under Spate Irrigation"</li> </ul>		

Minutes of the Twenty-Sixth Meeting of the  
**WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFM)**  
 Tehran, Iran  
 18 October 2011: 09:00-12:30 hours  
*Strategy Theme: Basin*

**Year of Establishment: 1999**

**Completion of the Mandate: 2015**

**Mandate:** To identify and disseminate various structural and non-structural measures of flood management, and to study the social, political and economic aspects of flood mitigation measures, ecologically sound development, international cooperation, as well as people's participation in disaster preparedness.

**Members Present:** (1) Dr. Kamran Emami, Chairman, 2010 (Iran, 1999); (2) Dr. Takao Masumoto, Secretary (Japan, 2009); (3) Dr. Gerard Backeberg represented Prof. M.F. Viljoen (South Africa, 1997); (4) Mr. Ahmet Seren (Turkey, 2006); (5) Mr. Maurice Roos (USA, 2006); (6) Vice President A.K. Bajaj represented Mr. G.S. Purba (India); and (7) Dr. Vijay K. Labhsetwar represented Secretary General, ICID.

**Observers:** (i) Prof. Klaus Röttcher (Germany); (ii) Mr. Ramaran Yucel (Turkey); (iii) Mr. Olli-Matti Verta (Finland); (iv) PH Bart Schultz (The Netherlands); (v) Mr. Noriyoshi Konzo (Japan); (vi) Mr. Jabbar-Vatanfada (Iran); (vii) Ms. Maryam Samimi (Iran); (viii) Mr. Mohsen Masourdiar (Iran); (ix) Mr. Mohd Amin Mohd Soom (Malaysia); (x) Mr. Arthon Suttigarn (Thailand); (xi) Mr. Mati Tonismae (Estonia); (xii) Mr. Osmo Purhonen (Finland); (xiii) Mr. Mohammad Sadegh Jafari (Iran); (xiv) Mr. Clarke Ballard (Australia); (xv) Mr. Hasan B. Yuksel (Turkey); (xvi) VPH Prof. Victor A. Dukhovny (Uzbekistan); (xvii) Mr. Daisuke Watabe (Japan), and (xviii) Mr. M. R. Moterassely (Iran).

**Permanent Observers:** No permanent observers were present.

**Website:** <<http://www.wg-cafm.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 25<sup>th</sup> meeting of the Working Group**

The minutes of the 25th meeting of the Working Group held on 12 October 2010 at Yogyakarta, Indonesia were confirmed.

**Item 2 : Review of the Membership of the Working Group**

The German National Committee of ICID (GECID) nominated Dr.-Ing. Klaus Röttcher (Germany) for the membership of the WG-CAFM and his nomination was accepted unanimously.

The Finnish National Committee of ICID (FINCID) nominated Mr. Olli-Matti Verta (Finland) for the membership of the WG-CAFM and his nomination was accepted unanimously.

The Netherlands National Committee of ICID (NETHCID) nominated Mr. Marcel Marchand (The Netherlands) for the membership of WG-CAFM. Prof. Bart Schultz of NETHCID represented Mr. Marchand and introduced him to the members. The Working Group approved his nomination considering that his absence was only due to entry VISA into Iran.

The Pakistan National Committee of ICID (PANCID) nominated Mr. Asjad Imtiaz Ali (Pakistan) in place of Mr. Zazar Aslam for the membership of the WG-CAFM. Mr. Ali was not present and hence his nomination was deferred until the next meeting in 2012 at Adelaide, Australia.

The Indian National Committee of ICID (INCID) nominated Mr. Chhotey Lal (India) in place of Mr. G.S. Purba for the membership of WG-CAFM. Mr. Lal was not present and hence his nomination was deferred until the next meeting in 2012 at Adelaide, Australia.

### **2.1 Election of new Vice-Chairman of the WG**

The election of Vice Chairman was discussed and the final decision was postponed until the next meeting in 2012 at Adelaide, Australia.

### **Item 3 : Tenure and mandate of WG**

The issue of tenure and the new mandate were discussed. It was conveyed that the new emerging issues like climate change, sea level rises, flash floods, adaptation strategy of people living in flood prone areas etc. may be included in the new mandate. The members of the WG commented that the following topics, such as adaptive flood management, adaptability to floods, basin approach, holistic approach, climate change, global change and so on, should be added to the mandate:

**Mandate: To identify and disseminate various structural and non-structural measures of flood management, and to study the social, political and economic aspects of flood mitigation measures, ecologically sound development, international cooperation, as well as people's participation in disaster preparedness. "The objective is to help the planners, managers and designers setting up holistic, integrated and adaptive flood management schemes in view of uncertainties resulted from the climate and hydrosystems changes".**

Based on the discussion, the Chairman proposed the publication of a book on "Adaptive Flood Management" under the WG. The WG members discussed the contents of chapters to mention strategies for the book, role of case studies, types of floods, different approaches to floods, the inclusion of tidal floods (including TSUNAMI), guidelines to floods, and so on. The WG agreed that it would organize a Workshop under the title of "Adaptive Flood Management" in the meeting at Adelaide, Australia 2012. According to the timing (24-30 June 2012) of the next meeting at Adelaide, the deadlines for the draft of papers are as below:

- Chapters 2 and 3, strategies by the Chairman (by the end of July)
- other Chapters, case studies by the members (by the end of April)
- all drafts (by the end of June)

There were positive declarations for the paper submission to the workshop from the members and/or delegates, such as Pakistan, Turkey, Germany, Japan, South Africa, Iran, USA, Thailand, the Netherlands, and so on. In addition, the National Flood Prevention Committee, Ministry of Energy, Iran pledged to financially support publication of the book.

### **Item 4 : Presentations on Floods (Country Case Studies)**

Mr. J. Vatanfada (Iran) presented a summary of major floods, recent history, current situation and future plan for floods in Iran as a country report.

Mr. Maurice Roos introduced public promotion activities for flood management by using a video of floods in the State of California, USA.

Dr. Takao Masumoto presented the overview of the Great East Japan Earthquake and Tsunami, which occurred on 11 March 2011 in Japan.

Chairman Dr. K. Emami (Iran) presented new Iranian criteria for selection of design floods for large dams.

### **Item 5 : New Working Group on "Value Engineering"**

The launching of a new Working Group on 'Value Engineering' was supported by WG-CAFM in principle during the Yogyakarta (2010) meeting and was referred to PCTA/IEC for consideration. The recommendation was that a workshop on 'Value Engineering: its applications in Irrigation and Drainage' be organized for arriving at a appropriate decision. Dr. Kamran Emami (Iran), Chairman of the WG explained that they could not organize the

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workshop due to very busy program of ICID congress in Tehran. Accordingly, IRNCID prepared a CD containing documentaries, books, papers on "Application of Value Engineering in Irrigation and Drainage Projects" for circulation among the National Committees and delivered to all the participants.

WG supported the idea for forming a task force on "Application of Value Engineering in Irrigation and Drainage Projects" instead of a new working group. The proposal should be presented to PCTA. Furthermore WG decided to work on the role Value Engineering in flood management planning, design, construction and operation.

The Working Group proposes that a Task Force on Value Engineering be established.

**Item 6 : New Structured Wok plan**

The topic was discussed under Item 3 above, but it has not yet been developed into a coherent mandate or work plan. This will be an important item of business for the new team of officers of the WG.

**Item 7 : Any Other Business**

- **2<sup>nd</sup> Istanbul International Water Forum**

The members noted the information.

- **International Workshop on Floods in Pakistan - 2010**

In accordance with item 4 of the last minutes of the WG which was supported by PCTA, an International Workshop on the topic of Floods in Pakistan 2010 (Lessons Learnt & Way Forward) was planned.

ICID and Pakistan Engineering Congress (PEC) successfully organized an International Workshop on "Floods in Pakistan in 2010 - Lessons Learnt & Way Forward" on 12 March 2011 at the auditorium of Pakistan Engineering Congress, Lahore, Pakistan. This workshop was organized under the leadership of Vice President Engr. Husnain Ahmed, President of the Pakistan Engineering Congress in cooperation with Dr. Kamran Emami (Iran) Chairman of WG-CAFM. Federal Minister of Water & Power, the Honorable Syed Naveed Qamar presided over the event as Chief Guest. Mr. Asjad Imtiaz Ali, Chief Engineering Advisor / Chairman Federal Flood Commission / Chairman PANCID and Deputy Chairman NDMA (National Disaster Management Authority) also attended the workshop. The workshop was attended by a large number of delegates, and covered by print / electronic media, inaugural session telecast live by Pakistan television networks.

Dr. Emami presented a summary of the workshop including the title of 11 papers presented. After the workshop, a panel of experts prepared some recommendations on coping with Pakistan floods. The chairman of the WG visited Mangla and Tarbela dams after the workshop and prepared a Road Map on holistic and adaptive management of Pakistan floods that was delivered to Vice President Engr. Husnain Ahmed.

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Minutes of the Fifth Meeting of the  
**WORKING GROUP ON MODERNIZATION OF IRRIGATION SERVICES (WG-MIS)**  
 Tehran, Iran  
 18 October 2011: 09.00-12.30 hours  
*Strategy Theme: Systems*

**Year of Establishment: 2007**

**Completion of the Mandate: 2012**

**Mandate:** To provide a continuing focus in ICID for sustainable improvement of irrigation service delivery through progressive modernization of infrastructure, management and institution.

**Members Present:** (1) Mr. Francois Brelle, Vice Chairman (France, 2007); (2) Mr. Ian Moorhouse, Secretary (Australia, 2010) represented by Mr. Ian Atkinson; (3) Mr. Lee, Tsong-Hwei (Chinese Taipei, 2007) represented by Y.F. Ho; (4) Dr. M.K. Siahi (Iran, 2007) represented by Mehrzad Ehsani; (5) Mr. Ian W Makin (UK, 2008); (6) Dr. Masayoshi Satoh (Japan, 2008).

**Apology:** Chairman Dr. Maurits Ertzen (The Netherlands), Mr. Ian Moorhouse, Secretary (Australia)

**Permanent Observers:** FAO representative (Ms. Robina Wahaj).

**Observers:** (1) Dr Mohamed (Oman); (2) Dr Sylvan Perret (France), (3) Chen Wen-Hsing (Chinese Taipei); (4) Dr Ehsan Alkanz; (5) Mr. Clarke Ballard (Australia); (6) Eng. Raphael Daluti (Tanzania); (7) Bassam Al Husein; (8) Masoud Eghbali (Iran); (9) Masoud Moalemi (Iran); (10) Hajime Tanji (Japan); (11) Shuichi Matsushima (Japan); (12) Ezzatollah Farhadi (Iran); (13) Azita Rumezani (Iran); (14) Sanaz Barnous; (15) Fabrienne Latapie (France); (16) Mr. Aliou Bamba (Mali); (17) Mr. Shukhrat Mukhamedjanov (Uzbekistan); (18) Mr. Mohammad Sadegh Jafari (Iran); (19) Mr. Khaled Qassim Othman (Iraq); (20) Mr. Kadhim Chalooob (Iraq); (21) Mr. Adama Sangare (Mali); (22) Vahid Dasdar (Iran); (23) Hossein Nasher (Iran); (24) Dr N Ashok Raja (India); (25) Mr. Abdul Ridha Mistah (Iraq); (26) Mr. Basil Irhayin Marzoh (Iraq); (27) Mr. Waleed K Shlash (Iraq); (28) Mr. Moussa Amadou (Niger); (29) Eng. Othman S Omar (Tanzania); (30) Mr. Andre Roux (South Africa); (31) Mr. Uttam Raj Timilsina (Nepal); (32) Mr. Mohd Yazid Abdullah (Malaysia); (33) Dr. K. Yella Reddy (India); (34) Shizchin Baranchuluan (Mongolia).

**Website:** <<http://www.wg-mis.icidonline.org>>

*In absence of Chairman Dr. Ertzen, the meeting was chaired by Mr. Francois Brelle, Vice Chairman/ Mr. Ian Atkinson (Australia)*

**Item 1 : Confirmation of the minutes of the 4th meeting of the Working Group**

The minutes of 4<sup>th</sup> meeting held at Yogyakarta in October 2010 were tabled for review and approval. In absence of any comments, the minutes were approved as presented.

**Item 2 : Membership of the Group**

The Iranian National Committee (IRNCID) nominated Mr. Mehrzad Ehsani in place of Dr. M.K. Siahi for the membership of the Working Group. Mr. Ehsani gave a short presentation regarding his experience, interests and current work as DG of Irrigation Operations for the Iran National Irrigation Company.

Malaysia National Committee (MANCID) nominated Mohammad Yazd bin Abdullah for the membership of the group. Mr. Yazd bin Abdullah made a short statement of his involvement with the work of the WG-MIS and the application.

Both nominations were accepted. The Chair welcomed the new members to the working group.

A total of 6 WG-MIS members and 34 observers participated in the meeting.

**Item 3 : Website of the Group**

The Chair requested all the participants to provide information related to WG activities for posting to the website. He encouraged members to provide suitable case studies for inclusion.

**Item 4 : Internal Workshop of the WG**

A one page paper on progress of irrigation development and the role of PIM in India was submitted by Dr A Kumar (India). In absence of the author no discussion was held. No other papers were available so no further discussion took place.

**Item 5 : Work Plan of the Group for the period 2010-2012**

The Chair took a quick review of progress on the working groups agreed work plan:

**A. Application of the MASSCOTE approach to irrigation schemes selected by its members**

IRNCID is translating the MASSCOTE into Farsi. Mr. Mehrzad Ehsani (Iran) will prepare and make a presentation in Adelaide on application of MASSCOTE to the Dez Irrigation System.

Robina Wahaj (FAO) reported on progress of application of MASSCOTE, a regional workshop will be held in early 2012. Ms. Robina will also make a presentation on applications of MASCOTE at the next meeting in case FAO participates in Adelaide event.

Mr. Fazd (Malaysia) informed that the Department of Irrigation and Drainage (DID) as extension to previous application is continuing to apply MASSCOTE in Malaysian schemes and will make presentation at Adelaide meeting.

Dr Perrot (CIRADD, AIT) – may be able to present MASSCOTE application in Pakistan at the proposed Adelaide workshop.

Francoise Brelle (France) – noted that he was disappointed to see that no progress has been made on modernization of services relative to the focus on improving the infrastructure elements of the irrigation systems. Ms. Wahaj (FAO) reminded the participants that MASSCOTE does focus on services as the objective of modernization, noting that the focus is on large and medium scale systems. She noted the need to define desired water delivery service before the objectives of modernization can be implemented effectively – a working definition might be “right service for right cost to users”. So far FAO has undertaken rapid appraisal of 50 systems.

Ian Atkinson (Australia) reflected on experiences in Australia with the need to look more widely at services as part of modernization to avoid missing opportunities.

Dr Fazadi (Iran) reported the main problem in I&D is achieving effective O&M – he asked how to organize management systems to achieve the goals of I&D system suggesting that the future work program of the WG might focus on goals of irrigation management.

Dr Satoh (Japan) reminded that he reported a Japan case study in Yogyakarta and asked for comments on the approach followed in Japan, where construction cost is shared between Government and Users. After which, in general, system is fully transferred to WUA. Future O&M is covered by farmers. In case of large systems – main canal may be operated by government; and lower level canals by WUA. Decisions are made by farmers; Government does not manage the system but operates the system on the instructions of WUA.

**B. Cooperation with universities and other institutions and initiatives**

No information on potential of new workbodies on technical, legal and organizational aspects and options for improved irrigation service delivery were reported.

**C. Cooperation with the WG-HIST**

No progress on cooperation with WG-HIST to assess the lessons from earlier modernization activities was reported. No members of WG-HIST were present at the meeting.

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#### **D. Cooperation with WG-YPF**

No participants reported any progress on increasing cooperation with WG-YPF to assess training and capacity development needs. Additional effort to engage with WG-YPF is recommended.

#### **E. Looking to future program up to Adelaide 2012**

A short discussion was held on a proposal to hold a special session in Adelaide 2012 to bring together the findings of the WG and to conclude the current mandate. The publication will have to be on experiences with MASSCOTE given the lack of progress reported on the other items of the work plan. The publication could be a presentation of sample case studies and an over-view by the publication editors – possibly as a special edition of the ICID Journal.

Dr Satoh (Japan) noted the need to distinguish between upland and paddy irrigation systems; and also between single use surface water systems and those that operate with recharge and conjunctive use of ground and surface waters. An interesting question was raised about who pays for water diverted if only a proportion is consumed and the remainder enters the groundwater or other system for subsequent reuse?

Dr Shukhrat Mukhamedjanov (Uzbekistan) reported on 3 years experience with modernization of on-farm systems and noted the need to find ways to maximize the efficiency of translation of research to farmers and users.

The organization of the special session will be led by Dr. Maurits Ertsen, Chairman and Mr. François Brelle, Vice Chairman. Mr. Mohamed Yazd bin Abdullah (Malaysia) agreed to collaborate with the organizers to develop case studies. Dr Shukrat (Uzbekistan) also offered a case study.

Mr. Brelle (France) suggested the case studies could be presented as solutions at World Water Forum 6 in March 2012, if already completed.

Mr. Ian Makin (UK) informed the participants that Asian Development Bank will hold a forum on irrigation in the Asia Pacific in April 2012 to discuss financing priorities to achieve food security, with a focus on modernization of irrigation services.

#### **Item 6 : Special Session on ‘Modernization of Water Management Schemes’, October 2011, Tehran**

The Australian delegation presented a case study of modernization on 21 October including impacts on farmers, and Irrigation Company. The presentation will include the views of a leader of federal government on the investments being made in irrigation modernization in Australia.

Ms. Robina Wahaj of FAO informed that a full day FAO-ICID-IRNCID Special Session will be held on 20 October. And will include a key note and a panel session. All were encouraged to attend the session.

#### **Item 7 : Any other business**

With the permission of the Chair, Dr Masayoshi SATOH opened the meeting with a brief presentation on the Great East Earthquake 2011, including his personal experience of the event. After describing the major impacts of the earthquake and tsunami, Dr Satoh described the 3 stage plan for recovery and restoration of rural areas and livelihoods. The Chair thanked Dr Satoh and expressed the sympathy and good wishes of the participants to the people of Japan.

Dr Mehrzad Ehsani made a proposal for the working group to produce a new book on *Construction of Irrigation Canal*. He informed the WG that IRNCID is willing to prepare first draft of the book and then to work with volunteers to expand and refine for publication as a WG-MIS publication. Dr Brelle (France) noted that the tenure of the WG is only till 2012 and that the WG has not enough time to complete the proposed task in the remaining time. It was agreed that the IRNCID will prepare an annotated contents list for presentation in Adelaide for consideration of a new mandate and tenure for a WG to develop the proposed book and other items of work.

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Minutes of the Sixteenth Meeting of the  
**WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)**  
 Tehran, Iran  
 18 October 2011: 09.00-12.30 hours  
*Strategy Theme: On-Farm*

**Year of Establishment: 1995**

**Completion of the Mandate: 2013**

**Mandate:** To promote a safe and good management of poor quality water for irrigation, to minimize the negative impact on human health and the environment, to promote the multiple use of poor quality water, and to give consideration to the institutional and legislation aspects with regard to the use of poor quality waters.

**Members Present:** (1) VP Dr. Ragab Ragab, Chairman (UK, 1997); (2) VPH Dr. Gao Zhanyi (China, 1998); (3) VP Dr. Samia El- Guindy (Egypt, 1999); (4) Mr. Bernard Vicent (France, 2003); (5) Secretary General, ICID represented by Dr. Vijay K. Labhsetwar.

**Observers:** (1) Dr. Anna Tedeschi (Italy); (2) Dr. Magdi Abdel Hamid (Egypt); (3) Mary Jean Gabriel (South Africa); (4) Mukhlis Zainol Abidin (Malaysia); (5) Salah Zarad; (6) Michael van der Laan (South Africa); (7) Ahmed M. Aziz (Iraq); (8) Dr. Suhas P. Wani (India); (9) Awadis Arslan (Syria); (10) A. Khishigsuren; (11) Cheraghi Sam; (12) Jhaleh Vaziri; (13) Mr. Andre Roux (South Africa); (14) Sylvain Perret (France); (15) Yongduo Yu; (16) Balgabaw Hur Lan (Kazakhstan); (17) Karimov Akmal; (18) Dr. Takanori Nagano (Japan); (19) N. Asokaraja; (20) Sadjjad S. Hosseini; (21) Sadegh Jafari; (22) R. Davtalab (Iran); (23) Negar Sharifi Mood; (24) Sanaz Barnous.

**Member Honoraire Present:** (1) Mr. Peter S. Lee, President Hon., ICID (UK); (2) Eng. Hussein El-Atfy, Vice President Hon., ICID (Egypt).

**Website:** <<http://www.wg-pqw.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 15th meeting of the Working Group**

The minutes of the Working Group meeting held at Yogyakarta were approved.

**Item 2 : Review of the membership of the Working Group**

**2.1 New nominations**

Dr. Takaroni Nagano from Japan, Dr. Anna Tedeschi from Italy, Dr. Magdy Abdel Hamid, Egypt, attended the meeting and introduced themselves. The group appreciated their work and approved their nomination for the membership.

Dr. D. K. Sharma, nominee of INCID (India) didn't attend the meeting. The Chairman has asked INCID to ensure the attendance of Dr. Sharma at the next meeting of the WG so as to approve his membership.

**2.2 New Chairman**

The Management Board (MB) at its Tehran meeting nominated Chairman Dr. Ragab as the next Chairman of the Permanent Committee on Strategy and Organization (PCSO). Since the PCSO requires much more time and commitment, Dr. Ragab desired to step down as the Chairman of WG-PQW, but would like to continue as a member of the group. Dr. Ragab suggested Dr. Samia El-Gundy to take over as the next Chairperson of the WG. This was unanimously agreed by the group.

The WG thanked Dr. Ragab Ragab for his excellent leadership during the last 14 years. He has coordinated/organized many high level workshops and represented ICID at many international fora.

### **2.3 New Secretary**

Dr. France Huibers, (the Netherlands) has retired from the position of Secretary of the WG. The group acknowledged and thanked him for his excellent contribution. Dr. Ragab requested Dr. Tedeschi (Italy) to take over the responsibility of the WG Secretary. Dr. Tedeschi agreed to serve the position. The group thanked Dr. Tedeschi for her cooperation.

### **2.4 Past nominations**

Due to non-attendance of the past nominee, the group deferred their acceptance once again:

- Dr. Tapas Kumar Biswas (Australia)
- Dr. Jinzhong Yang to replace VPH Dr. Gao Zhanyi (China)
- Mr. Bekbayev Ussen (Kazakhstan)
- Mr. M. Sidhu to replace Mr. Maghmoom Muhammad Iqbal/ Dr. Ramzan Choudhry (Pakistan)

## **A. CONTINUING ITEMS**

### **Item 3 : Cooperation with other Workbodies and International Organizations**

#### **3.1 Cooperation with ICID workbodies**

Chairman Dr. Ragab as a member of WG-DROUGHT had contributed on the topic of non-conventional water resources to the document being prepared by the WG-DROUGHT as a joint activity between both Working Groups. The book chapter covers the use of poor quality water and its impact on environment

Dr. Ragab informed that he jointly with Dr. Sylvain Roger Perret, the Chairman of WG-ENV would coordinate the proposed workshop to be held during 63<sup>rd</sup> IEC meeting in Australia in 2012, in order to avoid any overlap of activities of the two WGs.

#### **3.2 Cooperation with International Organizations**

There is a good cooperation between the WG and the International Center for Bio-saline Agriculture (ICBA) in Dubai. The center is dealing with similar activities as the WG. The ICBA has an Observer status on the WG. The group receives ICBA Newsletters and other published research studies regularly.

### **Item 4 : Work Plan of the Group**

#### **4.1 New presentations**

The WG proposed to make the following two presentations during the next meeting of the group in Australia:

- A case study from China "Problems of the use of saline water in an area in the NW of China" - by Dr. Tedeschi
- Impact of tsunami on the environment - by Dr. Takanori

#### **4.2 Introduction of new topics**

It was agreed to introduce the following new topics to WG activities:

- Pesticides use and its impact on the environment;
  - Use of sewage water for irrigation (policies, institutional development, guidelines, case studies); and
  - Impact of sea water rise and salt water intrusion on soil and vegetation (possibly in cooperation with WG on Environment).
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#### **Item 5 : Presentations by members**

The following two presentations as proposed at the Yogyakarta meeting in 2010 were made at the meeting:

- Use of brackish water for agriculture -- by VPH Dr. Gao Zhanyi (China)
- Management of pesticides contamination in drainage water by use of constructed wetlands -- by Mr. Bernard Vincent (France).

Both presentations were very interesting and generated good discussion. The presentations will be uploaded on the group's website.

Since Dr. Leon van Rensburg (South Africa) did not attend the meeting, his presentation on 'use of saline water for irrigation' was deferred to the next meeting of the WG in 2012.

#### **Item 6 : Website of the working group**

Chairman Dr. Ragab requested all members to visit the website and provide any additional studies or researches for their posting. Members can provide the documents/ news item in soft copies or their link to the Chairman or the Central Office, New Delhi.

#### **Item 7 : Workshop of the working group**

##### **7.1 Water quality and irrigation**

At Yogyakarta, it was agreed that in order to avoid overlap (with the Congress question 56.3) by holding a special session on the topic, the relevant papers be submitted to the 21<sup>st</sup> ICID Congress under question 56.3 "Productivity of low quality waters for irrigation uses". Accordingly, 13 papers were received under this question.

##### **7.2 The proposed workshop to be held during the 63<sup>rd</sup> IEC, Australia June. 2012**

Chairman Dr. Ragab emphasized the importance of organizing a workshop on the topic of water quality for irrigation at Adelaide; especially in view of Australia's rich experience in salinity management.

After discussion and consultations with the members, the following was suggested:

- Workshop theme: Water quality management
- Sub themes- key areas: impact, policies, measures, institutional aspects, case studies.\
- Last date for receiving abstract: 15 February 2012

Dr. Michael van der Laan, Secretary of WG-ENV suggested adding the topic: water quality changes between upstream and downstream as one of the sub themes. Dr. Ragab and Dr. Samia would further revise/ elaborate the proposed theme/ topics and forward it to Dr. Perret, Chairman, WG-ENV for consideration and comments.

Dr. Ragab mentioned that Organizing and Scientific Committees will be established soon.

##### **7.3 Other workshop related to the group activities**

Dr. Mohamed. Hassan Amer, Chairman of the ENCID (Egypt) who attended the WG meeting as an Observer, made a presentation about technical topics and logistic aspects of the 11<sup>th</sup> International Drainage Workshop to be held in Cairo in September 2012. The workshop includes - drainage water quality and its management as one of the topics. Mr. Bernard Vincent invited all participants at the meeting to join the workshop in Cairo.

#### **Item 8 : Nomination of the Group for the Best Performing Workbody Award**

The group agreed to submit its candidature for the Best Performing Workbody Award at the time of the next ICID Congress (2014). The members believed that group has made good achievements and can apply for the Award.

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**B. NEW ITEM**

**Item 9 : Impact of agrochemicals on irrigation water quality**

Dr. Samia El-Guindy made a presentation on the contamination of surface and groundwater by pesticides. She explained the common problems associated with the use and miss-use of pesticides, their distribution in the environment and possible impact on water resources quality.

The group agreed to consider this issue as one of the group activities, and proposed to collect information from different countries having experience in this area to come out with a background paper.

**Item 10 : Any other business**

Dr. Ragab made a presentation on SALTMED model during the meeting and handed over a CD containing the model to the Central Office for posting on the WG webpage.

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Minutes of the Second Meeting of the  
**TASK FORCE TO GUIDE ICID INPUTS TO WORLD WATER FORUM 6 (TF-WWF6)**  
 Tehran, Iran  
 18 October 2011: 09:00-12.30 hours

**Year of Establishment: 2009**

**Terms of Reference:**

1. To liaise with 6<sup>th</sup> WWF Program Committee and other International Bodies, especially FAO;
2. To provide overarching lead role on behalf of ICID for inputs to 6<sup>th</sup> WWF by liaising with:
  - (i) National Committees for inputs to the themes and sub-themes of the 6<sup>th</sup> WWF, of direct relevance to ICID
  - (ii) Workbodies on specific subjects related with 6<sup>th</sup> WWF
3. To liaise with French National Committee (AFEID) for preparatory work of 6<sup>th</sup> WWF and
4. To recommend ICID inputs for 6<sup>th</sup> WWF for consideration in 62<sup>nd</sup> IEC

**Members Present:** (1) PH Prof. dr. Bart Schultz (The Netherlands), President Hon., ICID, Chair (2) Mr. François Brelle (France), Vice Chair; (3) VP Dr. Willem F. Vlotman (Australia), Chairman, Working Group on Drainage, (4) VPH Felix Reinders (South Africa), Chairman, Working Group on On-farm Irrigation Systems, (5) VPH Dr. Saeed Nairizi, Vice President Hon., ICID, (6) Secretary General, ICID, (7) Dr. S.A. Kulkarni, ICID.

**Permanent Observers:** (i) Prof. Dr. Chandra Madramootoo (Canada), President ICID; (ii) VPH Dr. A. Hafied A. Gany (Indonesia), Chairman, PCSPOA.

**Observers:** (i) Mr. Peter S. Lee (United Kingdom); (ii) Mr. Jacques Plantey (France); (iii) Mr. Sami Bouarfa (France); (iv) Mr. Bernard Vincent (France); (v) Mr. Morteza Yazdekasti (Iran); (vi) Mr. Mehran Mahdavi (Iran); (vii) Mr. Hamed Ebrahim (Iran); (viii) Mr. Sadjjad Shosseini (Iran); (ix) Mr. Sanaz Barnous (Iran); (x) Dr. Alireza Salamat (Iran); (xi) Mr. Abdolreza Fallah Rastegar (Iran); (xii) Dr. Momon Sodik (Indonesia); (xiii) Mr. Md. Ahasan Ullah (Bangladesh); (xiv) Mr. Stephen Mills (Australia); (xv) Mr. Shinsuke Ota (Japan); (xvi) Dr. Yohei SATO (Japan); (xvii) Prof. Dr. Tsugihiko Watanabe (Japan); (xviii) Mr. Hiroyuki Suzuki (Japan); (xix) Mr. Kunihiro Naito (Japan); (xx) Mr. Takanovi Nagano (Japan); (xxi) Prof. Cai Lingen (China); (xxii) Prof. Victor Dukhovny (Uzbekistan); (xxiii) Ms. Anna Dupont (WWF6 – France); (xxiv) Mr. Michael Talhami (ICRC); (xxv) Mr. Taz Cheozkim (Korea); (xxvi) Mr. Avinash C. Tyagi (SG-Designate, ICID); (xxvii) Mr. Jaakko Sierla (Finland); (xxviii) Mr. Mohd. Yazid Abduoti (Malaysia); (xxix) Eng. Raphael Daluti (Tanzania); (xxx) Dr. Amandus D. Lwena (Tanzania); (xxxi) Prof. Dr. Riaz Niaz Ahmad (Pakistan); (xxxii) Prof. Dr. Muhammad Arshad (Pakistan); (xxxiii) Mr. V.C. Ballard (Australia); (xxxiv) Dr. Laszlo G. Hayde (Hungary); (xxxv) Dr. Suhas P. Wani (India); (xxxvi) Mr. Mukhamedjanov Shuhzat (Uzbekistan); (xxxvii) Mr. Shgahram Khorasanizadeh (Uzbekistan); (xxxviii) Dr. Jin-Hoon JO (Korea); (xxxix) Dr. Robina Wahaj (FAO); (xxxx) Dr. Ian Makin (ADB); (xxxxi) Mr. Masoud Moalem; (xxxxii) Enayatollah Farahani;

Website: <<http://www.icid.org/wwf6/>>

**Item 1 : Confirmation of minutes of the 1st meeting of TF-WWF6 held in Yogyakarta, Indonesia**

The minutes of the 1st meeting of the TF held at Yogyakarta were approved.

**Item 2 : Membership of the Task Force**

There were no changes in the membership of the TF.

**Item 3 : Activities of the TF-WWF6 after the Yogyakarta Meeting, October 2010**

The overview of activities as attached as Annex I to the printed Agenda volume were noted.

**Item 4 : Nucleus Core Groups**

Due to family reasons Dr. Pasquale Steduto (FAO), coordinator of Theme 2.2 of WWF6 could not attend the meeting. In his place the Chairman presented an overview of the state of the preparations for WWF6. This presentation was followed by a presentation by Ms. Anna Dupont on *Organisational aspects and set-up of sessions during the Forum*.

**Item 5 : Targets for key Priority 2.2**

After several rounds of discussion the nine Targets under Theme 2.2 are now formulated as follows. Further minor changes will be possible.

- I. By 2020, rainfed land productivity (yield per unit area) will sustainably increase by 25% in Africa, and by 15% in Asia - as compared to 2005 - 2007 baseline. Water productivity (yield per unit of water) of rainfed agriculture will sustainably increase for grains by 20% in Africa and in Asia by 15% compared to 2005-2007 baseline;
- II. By 2020, sustainably increase by X% - as compared to 2005 - 2007 baseline - water productivity per unit land and per year (yield per m<sup>3</sup>, per ha and per year) of irrigated agriculture (for specific crop categories);
- III. Increase sustainable productivity and lower costs of water management (yield per ha, per m<sup>3</sup> of water and per unit production cost) in such a way that by year 2025 there is food security at affordable prices for all;
- IV. By year 2015, increase by 25% – as compared to 2005-2007 baseline – the safe use of non-conventional waters, either treated wastewater or saline water, in agriculture and aquaculture, together with an increase in the number of countries recognizing the WHO-FAO-UNEP Guidelines for wastewater use in agriculture and aquaculture where insufficiently treated wastewater is used;
- V. Increasing capacity of water storage in support of irrigated agriculture in an environmentally sufficient and socially sound management;
- VI. By 2015: develop and adopt at least two macro-regional visions optimizing water use for food security; and by 2020 develop 200 sub-regional sustainable agriculture plans;
- VII. By 20yy, develop national strategic action programmes for key ‘hotspot’ aquifers exploited by intensive agricultural use (% aquifer depletion, % pollution), including a local definition of maximum admissible drawdown (MAD) and local definition of maximum admissible pollution levels (MAP) for agricultural uses;
- VIII. By 2015, define water-related components of a strategy that will improve food supply chain efficiency by 50% and promote sustainable diets, including steps for its implementation by 2025.
- IX. Support the small-holders farmers in order to better manage agricultural water, produce more goods and services and reduce by 50% by 2020 the proportion of smallholder farmers without access to water training and water credit.

As far as ICID is concerned Mr. Jacques Plantey and PH Prof. Bart Schultz became the Coordinators of Target III, and President Hon. Chandra Madramootoo along with the President of ICOLD Mr. Jinsheng Jia will be the Coordinator of Target V.

On behalf of the Arab Water Council, VPH Dr. Safwat Abdel Dayem is the Coordinator of Target VI on “*By 2015: develop and adopt at least two macro-regional visions optimizing water use for food security; and by 2020 develop 200 sub-regional sustainable agriculture plans*”;

On behalf of AFEID, Mr. Francois Brelle is the Co-coordinator of Theme 2.1 – “*Balance Multiple Uses through Integrated Water Resources Management (IWRM)*”.

Each Target Group as well as the Core Group is expected to prepare three documents, being: 500 words summary, a Target Action Plan and a Target and Solutions Group Report. In addition they are expected to organise a two

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hour session during the Forum. The summaries as well most of the Action Plans were made available during the Tehran Congress. The Targets and Solutions Group reports are expected to be ready by the end of the year.

Available (draft) documents are posted on the ICID web site as well as on the platform of the WWF6.

Members were encouraged to comment on the draft documents and to provide promising solutions. For the latter a special template was made available.

In the afternoon there was a Special session on the preparations of WWF6. The programme and report of the Special Session is attached as **Annex**.

**Item 6 : Interim meeting of the Task Force at Orleans, France, March 2011**

An interim meeting of the Task Force was also held on 14 March 2011 on the sidelines of the 24th European Regional Conference. It was chaired by President Prof. Chandra Madramootoo. A group of AFEID members willing to contribute to Target and Solution Groups attended the meeting and discussed the outcome of the stakeholders meeting and future course of action. Pres. Madramootoo had invited all national committees to contribute to WWF6.

**Item 7 : Proposed activities up to WWF6**

It will be of special importance that comments are being obtained on the draft documents and that solutions are being provided on the solution templates. The solution template can be downloaded from the ICID website, or from the Forum Platform. All are encouraged to submit solutions to Central Office or the TF Chair for further processing.

**Item 8 : Any other business**

1<sup>st</sup> Asia-Pacific Regional Synthesis Meeting for 6<sup>th</sup> WWF was held on 21-22 April 2011, Bangkok, Thailand hosted by UNESCAP. On behalf of ICID-ASRWG, Prof. Tai-Cheol Kim, Vice Chair, attended the meeting as an observer by the support of Korean National Committee of ICID (KCID).

At the meeting target areas and coordinators were discussed. Out of 7 regional target areas, the area of "Economic water security" to increase efficiency and productivity of the major water-using sectors: agriculture, industry, and energy were led by the FAO. ICID was registered as a partner organization of FAO. There was some debate on the necessity to set up the new area of "Water and food security" which is separated from the "Economic water security".

The Chairman thanked the participants for their input and especially Ms Anna Dupont for coming to the ICID Congress to give explanations on the preparations for WWF6.

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## SPECIAL SESSION ON WATER FOR FOOD SECURITY WITH FAO

**18 October 2011, 13.30 – 17.00 hours**

**Chair:** Prof. Dr. Chandra Madramootoo, President, ICID

**Vice Chair:** Prof. dr. Bart Schultz, Chairman, TF-WWF6

**Rapporteur:** Dr. S.A. Kulkarni, Executive Secretary, ICID Central Office

### Draft Programme

- |               |  |
|---------------|--|
| 13.30 – 13.35 | <b>Welcome</b> by Chandra Madramootoo  |
| 13.35 – 14.00 | <b>Introduction, outline of the Forum Preparation Process</b> , working towards solutions and sessions during the Forum by <i>Anna Dupont</i>  |
| 14.00 – 14.30 | <b>Framing the debate - Challenge for agriculture</b> - managing systems at risk with growing competition with agriculture on water (based on SOLAW) by <i>Bart Schultz</i> (UNESCO-IHE, coordinator input ICID to WWF6 and co-coordinator Theme 2.2)  |
| 14.30 – 15.00 | <b>Theme 2.2 and its Targets and Solutions</b> <ul style="list-style-type: none"> <li>• Introduction on the theme by <i>Bart Schultz</i>.</li> <li>• Target III <i>Increase sustainable productivity and lower costs of water management (yield per ha, per m3 of water and per unit production cost) in such a way that by year 2025 there is food security at affordable prices for all and the related Targets I and II</i> by <i>Jacques Plantey</i> (Société du Canal de Province, co-coordinator Target III)</li> <li>• Target V. <i>Increasing capacity of water storage in support of irrigated agriculture in an environmentally sufficient and socially sound management</i> by <i>Chandra Madramootoo</i> (Mc Gill University, President ICID, coordinator Target V)</li> </ul> |
| 15.00 – 15.15 | <b>Introduction to Theme 2.1 - Balance Multiple Uses through Integrated Water Resources Management (IWRM)</b> by <i>Francois Brelle</i> .  |
| 15.15 – 15.30 | <i>Linking thematic process to regional process</i> by <i>Karim Shiami</i>   |
| 15.30 – 16.00 | Break  |
| 16.00 – 16.30 | <b>Panel discussion</b> among the speakers on the Core Group Summary and the Summaries per Target and draft Target Action Plans. How to act? Some solutions discussed by the panelists. This implies that we have to send to the Panel members the 500 word summaries and the target Action Plans).<br>Moderator: Steve Mills (Australia)  |
| 16.30 – 17.00 | <b>Individual feedback</b> from participants, discussion, contribution form  |
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**A brief Report on ICID–FAO Special Session on  
Water for Food Security held at Tehran, Iran  
18 October 2011 (13:30 to 17:00 hrs)**

The ICID-FAO special session was attended by more than 30 professionals from 10 countries, and international organizations like WWC, ADB, ICRISAT besides ICID and FAO.

Dr. Pasquale Steduto (FAO) could not attend the session due to some urgent personal matters. Ms. Anna Dupont of the Forum Secretariat was the special invited speaker.

President Chandra Madramootoo welcomed the participants to the Special Session on 'Water and food security' jointly organized with FAO and requested all to provide their inputs/ thoughts to the related targets and solutions of the Key Priority 2.2: Contribute to food security by optimal use of water.

Prof Bart Schultz, Chair, TF-WWF6 and Co-coordinator Theme 2.2 explained through Power Point presentation the structure/ framework of Key Priorities, Targets and Action Plan to be prepared until March 2012. He said that about 75% of the world population lives in emerging countries like Brazil, China, India, Iran, etc., while about 800 million population lives in Least Developing Countries (LDCs).

Prof. Schultz then appraised the key points in reference to challenge for agriculture – managing systems at risk with growing competition with agriculture on water (based on SOLAW). The key points are – crop land area and its further scope for expansion; population scenario for developed, emerged and least developed countries; and also rural, urban composition of population and future trends. He said that the land available for cropland expansion is extremely limited in low income food deficit countries with high population growth rates. The total harvested land in the world will increase by around 13% from 1.39 billion ha to 1.57 billion ha. Practically all the expansion will take place in the developing countries, while extremely limited in low income food deficit countries with high population growth rates.

Prof. Schultz briefly provided an overview of future irrigation scenario and said that since the growth of irrigation is taking place mainly in developing countries it is important to have a closer look if there is enough suitable land available for intensive production through water management. In the whole of Asia and North Africa irrigation is already crucial for agricultural production and a large part of the irrigation potential is already in use. Although the potential for expanding irrigated agriculture may appear to be greatest in sub-Saharan Africa and Latin America, in practice many productive water resource systems away from the Congo and Amazon basins are already stretched –The Nile, Orange, Limpopo systems in sub-Saharan Africa are cases in point.

In the Near East and North Africa region and in South Asia the available water resources are the limiting factor. In east and South- East Asia, even if water is locally abundant, the land resources are becoming scarce. The Critical areas/ hotspots requiring immediate attention are- (a) the areas where poverty predominates and food requirements of local populations largely exceeds the present land water resource productive capacity and call for investments in land improvement works, water resource development and development support services; (b) the disaster-prone areas where land and water (L&W) degradation threatens the life of local and neighboring populations and where L&W protection works and improved conservation practices are required; (c) the areas where grossly inequitable land tenure and/or water rights are the main limiting factors to progress towards food security and where a participatory process of land reform and water right adjustment should be engaged along with institutional and technical supporting measures.

Prof. Schultz said that more population in urban areas means more food requirement due to rising living standards and hence the demand for rich diets. He then appraised the progress made on Theme 2.2 activities, work plan for the future activities and invited all National Committees and Chairs of the workbodies to contribute to the Target surveys, Comment/ feedbacks on Theme 2.2 documents, and propose case studies/solutions for various Targets.

Ms. Anna Dupont of the Forum Secretariat made presentation on "moving from solution to commitments". She explained the objectives of the 6<sup>th</sup> World Water Forum as – to bring all stakeholders together to debate questions related to water and its management and to share best practice in an open and constructive platform; to formulate concrete proposals to encourage action and solutions at all levels, and to secure strong and lasting political commitment for water. Mrs. Dupont explained the preparation processes, and said that more than 150 sessions will be dedicated on proposing prominent solutions and invited all individuals, institutions, political groups to contribute..

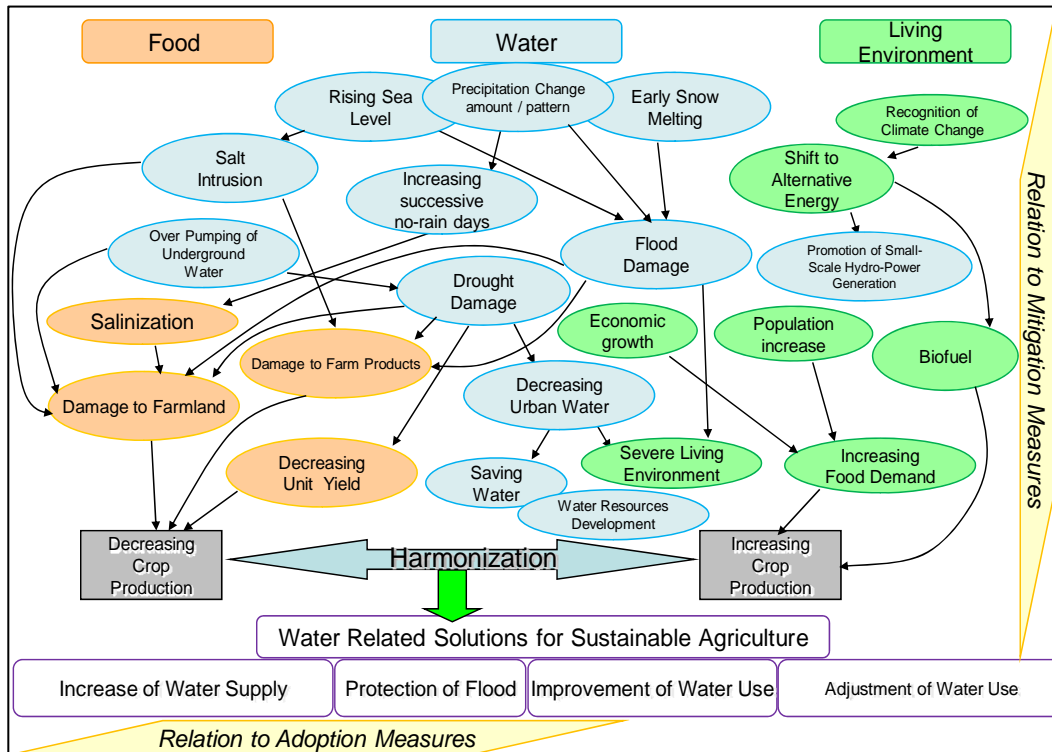
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ICID President Prof. Chandra Madramootoo made presentation on target V – Increasing capacity of water storage in support of irrigated agriculture in an environmentally sufficient and socially sound management. He cited examples of storages scenario from China, India and some other countries. He stressed the need for promoting -- farmer management of groundwater systems to cope with groundwater depletion in semi-arid low income food deficit countries (e.g. scaling of FAO APFAMGS project results in India); operational modernization of intensively irrigated river basins to control salinity and improve water quality; and adapting water allocation and management in glacier dependant river basins impacted by global warming; improved information and agricultural practice to reverse land degradation trends in irrigated areas; joint land-use and basin planning approaches including systems of water accounting in agriculture; mitigation of environmental externalities linked to surface and groundwater use, notably eutrophication and POPs accumulation; and widening the scope of water and land system management practice in specific intensive agricultural systems (e.g. SRI) to promote sustainable intensification and reduce pressure on natural resources..

Pres. Madramootoo said that more storage are needed to combat droughts and water scarcity, while there are several other benefits given the multi-functionality of dams and reservoirs.

Mr. Francois Brelle (France), Coordinator or theme 2.1 – Balance multiple uses through integrated water resources management (IWRM), presented various targets under priority 2.1 and its implications on IWRM.

Vice President Dr. Shinsuke Ota (Japan) made a presentation on ‘Climate change in Asia’, based on outcome of Asian Regional Group’s Asian Regional Task Force on Climate Change (ARTF-CC). The main objectives of the Task Force were – to reviews country-wise information; to extracts practical lessons from various cas studies and to prepare a concise report consisting of country-wise information and extracted lessons, which will be practically useful for government officials, researchers, practitioners and others tackling Climate Change. Dr. Ota hoped that the report can be applied to formulate strategies and policies in various countries, which will contribute to mitigate and adapt to climate change. Variuos implications of factors related to irrigation and drainage due to climate change are illustrated in the following digram.



## Discussions

The Panel discussion among the speakers and audience was moderated by Mr. Stephen Mills (Australia). Mr. Mills said that competition for water withdrawal/ use has been continuously increasing among different sectors including

environment. He then invited discussions from the floor. The various comments that were made during the discussions are summarized as follows:

- In most countries including developed countries, there are no institutions to take care of IWRM.
- In Iran, e.g. urban water supply is managed by the Ministry of Energy but for the agriculture and industry no such arrangements exists. It was reported that Iran has establish six river basin organizations (RBO). Efforts are made to bring all stakeholders under the RBO.
- In some emerging countries, like India a concept of crop holiday is coming up wherein farmers are keeping their lands fallow for want of proper market for their produce.
- There is a need to address the food wastage through entire food chain.
- Asian Development Bank and the World Bank are once again revisiting and getting engaged with food security issues as migration from rural to urban areas is increasing.
- There was a need to address future of smallholder farming.
- Currently, the hotspot of poverty is rainfed areas. The crop yields in rainfed areas are quite low as compared to potential yields; so the challenge is how to improve rainwater productivity.
- In water scarce basins like Murray Darling (Australia), there are conflicts of interests of social and engineering aspects.
- Multiple use systems (MUS) are happening at the irrigation system level and not necessarily at river basin level.
- Modernization of irrigation should be carried out with a view to increasing land and water productivity.
- Declining groundwater levels is a concern in many countries; this is mainly because of political and social issues rather than technical solutions. Therefore there is a need for defining property/water rights.
- Targets set for achievement should be concrete, e.g. increasing irrigation efficiency from 50% to 60% as this is more appealing than qualitative terms.
- Financial institutions are not participating in addressing the local level issues.

President Madramootoo in his closing remarks said that the forum provides a chance for all to contribute ideas for increasing food production. There is a need to shift from traditional to mechanized agriculture including irrigation technology in Asia. For example, North China plain have already shown the example of use of high irrigation technology. He said that ICID try to help uptake of technology and its transfer to farmers and assured that ICID jointly with FAO is committed to make strong contribution to the cause of achieving food security.

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Minutes of the Twentieth Meeting of the  
**COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)**  
 Tehran, Iran  
 18 October 2011: 13.30-17.00 hours  
*Strategy Theme: Knowledge*

**Year of Establishment: 1992**

**Mandate:**

- To describe the economic, social and environmental aspects of water resources projects which help provide food and fibre to mankind through irrigation; to identify the audiences and their interests, and suggest the appropriate type of communication and who should carry it out; to encourage National Committees to adopt a proactive role in communicating the role of water resources projects in serving mankind; and to encourage the use of communications specialists to ensure that the ICID public relations effort is effective.
- General management tasks - Development of concept of ICID publication series; set procedure for approval of publications; identification of (inter) national publishers and setting up of cooperative arrangements; marketing and pricing; and cooperation with publishers and National Committees for sale of publications.
- Editorial management tasks - Monitoring of and liaison with authors and editors on proposed and approved manuscripts; classification of proposed manuscripts for the relevant ICID services; calculation of prices and costs; fixing number of copies of books; public relations for publications, recommendations on subsequent publications of ICID.

**Members Present:** (1) VPH Larry D. Stephens, Chairman (USA, 1992); (2) PH Peter S. Lee (UK, 1993); (3) Ms. Anne Currey (Australia, 1998) represented by Ian Atkinson; and (4) Secretary General, ICID represented by Dr. S. A. Kulkarni and Dr. V.K. Labhsetwar, Central Office, ICID

**Observer:** Dr. Yinghuo Yu (China);

**Website:** <<http://www.c-prp.icidonline.org>>

**Item 1 : Confirmation of the minutes of the 19th meeting of C-PR&P**

The minutes of the 19<sup>th</sup> meeting of the Committee held at Yogyakarta were confirmed.

**Item 2 : Review of the membership**

**2.1 New nomination**

Nomination of Mr. A.K. Kharya (India) by the Indian National Committee (INCID) to serve on the Committee was deferred due to his non attendance at the meeting.

Dr. Yinghuo Yu (China) expressed interest in joining the Committee. The Committee looks forward to receiving a formal nomination from the Chinese National Committee (CNCID).

**2.2 Non-attendance/ contribution**

It was noted that following members were neither attended the past meetings nor made any contributions to Committee;

- VPH Dr. Dia El-Din Ahmed El-Quosy (Egypt);
- Prof. Atef Hamdy (Italy);
- Prof. Hseih, Yung-Hsu (Chinese Taipei), and
- VPH Dr. Javad Farhoudi (Iran)

The above National Committees were asked to nominate replacement to the members. The Committee noted that the withdrawal of the membership of Prof Hamdy by ITAL-ICID.

The Committee considers Dr. Dia El-Din Ahmed El-Quosy (Egypt); Prof. Hseih, Yung-Hsu (Chinese Taipei), and Dr. Javad Farhoudi (Iran) no longer members of the Committee and asks their national committees to nominate new members.

## **CONTINUING ITEMS**

### **Item 3 : Publications brought out and under processing during the period 2010-11**

#### **3.1 Publications brought out by the Central Office**

##### **3.1.1 ICID News Update**

##### **3.1.2 ICID News**

##### **3.1.3 ICID Annual Report**

The Committee noted that *ICID News Update*, the *ICID News* and the *ICID Annual Report* have been published as per schedule since the last meeting of the Committee. Suggestions for improving these publications are invited. Central Office recommends that the *News Update* be issued in four-color. The Committees approves the recommendation. The Committee thanks Central Office staff for their continuing efforts to improve the ICID publications.

##### **3.1.4 Special Publications**

The Committee also noted that a new publication "*Towards Sustainable Development of Tidal Areas: Some Principles and Experiences*" has been prepared under the aegis of the Working Group on Sustainable Development of Tidal Areas (WG-SDTA). The publication was issued by the Central Office in August 2011.

#### **3.2 Publications by National Committees/ Regional Associations**

The agenda of the meeting lists the publications received by ICID during the year.

#### **3.3 Publications under processing**

The following ICID publications are under processing:

- Inter-basin Water Transfer: Global Experiences – Analyses and recommendations (by erstwhile TF-IBWT)
- Irrigation under Drought and Water Scarcity (by erstwhile WG-IADWS)

#### **3.4 Publications under preparation**

The following ICID publications are under preparation:

- Monsoon Asia History (by WG-HIST)
- History of Irrigation, Drainage and Flood Control in Southern Europe and the Mediterranean (by WG-HIST)
- Modernization of Surface Irrigation Systems (by WG-ON-FARM)

The Committee reviewed the synoptic table presenting the status of ICID publications.

#### **3.5 Publication received 'Gratis' from other sources**

The Committee noted that McGill University, Canada has brought out a publication on "*Water Management for Global Food Security*" edited by Prof. Dr. Chandra A. Madramootoo which has emanated from the annual McGill Conference on Global Food Security held since 2008.

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**Item 4 : Sale of publications/Congress Transactions during the period 2010-11**

**4.1 Sale of Publications**

A statement showing the sale of ICID publications during the period 2010-2011 was reviewed.

**4.2 Sale of Congress Transactions**

The Central office recommends that the Congress Transactions and the new publication *Towards Sustainable Development of Tidal Areas* be offered during the Tehran Congress at special prices of US\$75 and US\$100, respectively. The Committee concurs with the suggestion.

It was noted that 1,000 Transactions for the Tehran Congress were ordered by the Iranian National Committee (IRNCID).

**Item 5 : Report of ICID Journal**

No report was received from Dr. Schultz.

**Item 6 : Review of ICID website**

The Committee made an extensive review of the ICID website and noted several improvements and upgrades made since 2010 Committee meeting.

The Committee also offered several additional suggestions for website improvements.

**Item 7 : Establishment of websites by Workbodies**

The Committee again invites workbodies to establish and update their respective websites.

**Item 8 : Any other business**

Digital publication initiative of ICID Publications by the Central Office was discussed. The Committee recommends that Central Office continue to explore opportunities for digital publication.

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Minutes of the Eighteenth Meeting of the  
**Working Group on Water Saving for Agriculture (WG-WATS)**  
 Tehran, Iran  
 18 October 2011: 13:30 – 17:00 hours  
*Strategy Theme: Systems*

**Date of Establishment: 1994**

**Completion of the mandate: 2013**

**Mandate:** "To recognize proven water saving success and to identify and promote successful water conservation".

**Members present:** (1) VPH Dr. Mohamed Hassan Amer, Chairman, 2010 (Egypt, 2000); (2) Dr. Juan Antonio Rodriguez- Diaz, Secretary (Spain, 2010) represented by VPH Dr. José A. Ortiz; (3) Dr. Neil Louis Lacler (South Africa, 2003) represented by Dr. G.R. Backeberg; (4) Mr. Mehrzad Ehsani (Iran, 2006); (5) Mr. R.K. Gupta (India, 2009) represented by Mr. R.C. Jha; (6) Dr. Muhammad Arshad (Pakistan, 2009); and (7) Secretary General, ICID represented by Dr. Vijay K. Labhsetwar, Director, ICID Central Office.

**Permanent Observer:** No permanent observers were present.

**Members Hon.:** (i) Mr. A.K. Bajaj (India), Vice President, ICID; (ii) Mr. Chaiwat Prechawit (Thailand), Vice President, ICID; and (iii) Mr. Peter S. Lee (UK), President Hon. ICID.

**Observers:** (i) Ir. Ibrahim M. Mahmoud (Egypt); (ii) Ir. Esam Mahmmod Muhammen (Iraq); (iii) Ir. Bassam Achusein (Syria); (iv) Ir. Mohamed Rafeet (Oman); (v) Ir. Arthon Suttigarn (Thailand); (vi) Ir. Mohammad Sadegh Jafari (Iran); (vii) Ir. Ahmed M. Aziz (Iraq); (viii) Mr. Uttam Raj Timilsina (Nepal); (ix) Ir. Sanaz Barnous (Iran); (x) Ir. Khishigsuren (Mongolia); (xi) Ir. Mukhlis Zainol Abidin (Malaysia); (xii) Dr. Amandus D. Lwena (Tanzania); (xiii) Ms. Fabienne Latapie (France); (xiv) Ir. Mohd. Yazid Bin Abdullah; and (xv) Ir. Basil Irhyain Marzolzr (Iraq).

**Website:** <<http://www.wg-wats.icidonline.org>>

## A. CONTINUING ITEMS

### Item 1 : Confirmation of the minutes of the 17<sup>th</sup> meeting of the Working Group

The minutes of the 17<sup>th</sup> meeting of the WG-WATS held at Yogyakarta (2010), Indonesia were confirmed.

### Item 2 : Review of the membership

The Indian National Committee of ICID (INCID) has nominated (06 July 2011) Mr. V.K. Chawla (India) for the membership of the Working Group. Mr. Chawla was represented by Mr. R.C. Jha (Chairman, INCID) and hence Mr. Chawla's nomination was confirmed.

Mr. Moussa Amadou (West and Central Africa, Niger) and Mr. Aliou Bamba (Mali) were neither present in the meeting nor represented by their National Committees and hence their nominations were deferred.

Ms. Fabienne Latapie (France) proposed to be a member and send the formal nomination from French National Committee.

Attendance of members at meetings in 2009 and 2010 were presented during the meeting. The Chairman informed that representation of a member in the Working Group meeting by any other representative of the concerned National Committee was not deemed to be a contribution by a member. The ICID by-law 3.1.7 stipulated that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

### **Item 3 : WatSave Awards**

#### **3.1 WatSave Awards – 2011**

The nominations for the 'Watsave Awards 2011' were discussed. Two nominations received were for farmer category and two other nominations were for technology and management categories. There was no nomination for the young professional's category.

Members suggested that for the 'WatSave Awards - Farmer', the word innovation should be replaced by achievement. The criteria for all the awards remain the same as before i.e. US\$ 2000 per award etc.

#### **3.2 Sponsorship**

ICID instituted 'WatSave Awards' in 1997 to recognize outstanding contributions to water saving / conservation in agriculture annually. Across the world, entries for the nominations for the 2011 WatSave Awards were invited in four categories viz. (1) Technology; (2) Innovative Water Management; (3) Young Professionals; and (4) Farmer. All the member supported the award categories.

The Iranian National Committee on Irrigation and Drainage (IRNCID) had the honour of sponsoring the WatSave Awards 2011. Members appreciate the IRNCID for this support.

South Africa agreed to support funding of the WatSave Awards in 2012 at Australia.

#### **3.3 Review of Criteria and Evaluation Process for WatSave Awards**

The review Criteria and Evaluation Processes for WatSave Awards were once again reviewed. No changes were proposed.

#### **3.4 Guidelines for financing and distribution of award money**

The guidelines for financing and distribution of award money were reviewed. No changes were proposed.

### **Item 4 : Framework for cooperation and interaction among ICID member countries and work bodies**

At Tehran (2011), the WG members agreed to cooperate with the working group on technology and research uptake and exchange (WG-True) and the Working Group on Modernization of Irrigation Services (WG-MIS) for carrying out joint activities such as publication, workshop etc.

### **Item 5 : Internal workshop on 'Water Saving Achievements'**

The members from Egypt, Iran, South Africa and India agreed to organize an internal workshop on 'Water Saving Achievements' in 2012 at Australia.

### **Item 6 : Work plan**

VPH M. H. Amer (Egypt) Chairman of WG informed that the book has already been translated in Arabic. The French member (Ms. Fabienne Latapie) promised to translate it into French and present it in next meeting in Australia 2012. Chairman will write letter to Chinese committee to translate the book into Chinese language.

### **Item 7 : Any other business**

- **FAO's Regional Conference 'Sustainable Water Resources Use in Asia'**

The information provided was appreciated by the members.

- **International Workshop on Water Saving Irrigation at Wuhan University, China**

The information provided was appreciated by the members.

- **Intensification Programme on Technology Research on Irrigation and Drainage (IPTRID) and Workshop on Water Saving Irrigation and Food Security'. Beijing china**

The information provided was appreciated by the members.

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Minutes of the Fourth Meeting of the  
**WORKING GROUP ON WATER AND CROPS (WG-CROP)**  
 Tehran, Iran  
 18 October 2011: 13:30-17:00 hours  
*Strategy Theme: On-Farm*

**Year of Establishment: 2007**

**Completion of the Mandate: 2013**

**Mandate:** To promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

**Members Present:** (1) Vice President Dr. Ragab Ragab, Chairman (UK, 2007); (2) Dr. K. Yella Reddy, Secretary (India, 2009); (3) Prof. M.E.V. Scarascia (Italy, 2007) represented by Dr. Graziano Ghinassi; (4) Prof. Tai Cheol Kim (Korea, 2007); (5) Dr. Andrew Sanewe (South Africa, 2007); (6) Ms. Jaleh Vaziri (Iran, 2009), (7) Prof. Rai Niaz (Pakistan, 2009); and (8) Dr Koji Inosako (Japan, 2010).

**Observers:** (i) Dr. Magadi T. Abdelhamid (Egypt); (ii) Ir. Awadis Arslan (Syria); (iii) Ir. Ali Reza Massah Bavani (Iran); (iv) Ir. Salah Saadv Zarad (Egypt); (v) Mr. Maurice Roos (USA); (vi) Ir. Daisuke Watabe (Japan); (vii) Ir. Shicchin Baranchulun (Mongolia); (viii) Ir. Balbabaee Nurlan (Kazakhstan); (ix) Ir. Sahar Malekzadeh (Iran); (x) Eng. Othman S. Omar (Tanzania); (xi) Ir. Karim Akmal (Iran), (xii) Ir. Anna Tedeschi (Italy), (xiii) Ir. N. Ashokaraja (India), (xiv) Ir. Sadjjad S. Hossein (Iran), (xv) Ir. Sadegh Jafari (Iran), (xvi) Ir. R. Davtalab (Iran), (xvii) Ir. Nagar Sharif Mood (Iran), (xviii) Ir. Sanaz Barnous (Iran); (xix) Ir. Khhighsuren A (Iran); and (xx) Prof. Dr. Mohd. Amin Mohd Soom (Malaysia).

**Permanent Observers:** No permanent observers participated in the WG meeting.

**Website:** <<http://www.wg-crop.icidonline.org>>.

**Item 1 : Confirmation of the minutes of the 3<sup>rd</sup> meeting of the WG-CROP**

The minutes of the 3<sup>rd</sup> meeting of the Working Group held in October 2010 at Yogyakarta, Indonesia were confirmed.

**Item 2 : Review of the membership of the Working Group**

Prof. Dr. Mohd Amin Mohd Soom's nomination was received for the membership of the WG from Malaysian National Committee on Irrigation and Drainage (MANCID). The CV of the nominee was circulated to the members present in the meeting. His nomination was accepted by the WG. The members extended warm welcome to Dr. Soom.

Attendance of members at meetings in 2009 and 2010 were presented during the meeting. The Chairman informed that representation of a member in the Working Group meeting by any other representative of the concerned National Committee was not deemed to be a contribution by a member. The ICID by-law 3.1.7 stipulated that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

It was observed that members from China, Chinese Taipei, France, Slovenia and Spain had not been contributing to the activities of the WG for past two or more years. In view of above, the Central Office requested these National Committees to either confirm the participation of their existing nominees or send a fresh nomination. In response, the Spanish National Committee of ICID (CERYD) informed vide e-mail dated 17 August 2011 that Mr. Vincente

Carelon (Spain) has retired in September 2011. The Central Office may invite fresh nominations from other countries.

Dr. Magdi T. Abdelhamid's (Egypt) nomination was endorsed by VPH Dr. Hassan Amer, Chairman of the Egypt National committee. The Working Group accepted his nomination.

Mr. Laurie C. Tollefson, Vice Chairman (Canada, 2009), VPH Prof. dr. Brane Maticic (Slovenia) and Mr. Chen, Yih-Rong (Chinese Taipei) had informed the secretariat in advance that they would not be able to attend the Tehran meetings.

The American National Committee had requested the Secretariat to continue the membership of Prof. R. G. Allen (USA) in the WG. The members of Working Group have ratified the absence of Prof. R. G. Allen (USA) in view of his vast experience and contribution to ICID.

The Chairman requested all the members to contribute towards achieving the goals of Working Group and participate actively in the Group meetings, workshops and seminars.

### **Item 3 : Precision Agriculture: Promote the efficient use of water and low input in crop production**

Dr. Hossein Dehghanisani (Iran) was to make a presentation on '*Precision Irrigation*' and concentrate on real time climate data at farm level for calculation of crop water requirement and irrigation scheduling but he was not present in the meeting to make presentation. However, the members felt the importance of the subject and opined to give him an opportunity once again to make presentation in the Adelaide meeting in June 2012.

The meeting was cut short by one hour due to the building security check ahead of the visit of country president on the following day. The Chairman of the WG, who was to make a presentation on '*Water Footprint*' voluntarily agreed to do it in Adelaide meeting in June 2012, in order to complete other agenda items in time.

The members have felt the need to know about various good quality moisture sensors available in different parts of the world for accurate measurement of soil moisture in different situations for improvement in design of irrigation systems and application rates. The chairman explained the latest technology and instruments used for large scale actual evaporation as well as large scale soil water measurements.

### **Item 4 : Energy crops for bio-fuel production**

The Chairman informed that no contributions had been received to support the Task Force on Water for Bio-Energy and Food (TF-BIO-ENERGY). Dr Andrew Sanawe (South Africa), however, informed the WG about the Workshop proposed to be held in Adelaide in 2011 on '*Water use by crops for bio-fuel*'. He indicated that South Africa's experiences will be presented in that workshop either by himself or by his colleague. It was suggested that India be invited to share its experiences in the Adelaide workshop. Dr. Reddy agreed to identify the university/organization working in this area and invite them to present their findings in the workshop at Adelaide. These presentations will be hopefully part of a joint workshop with WG on Climate.

### **Item 5 : Multi-functionality of water use in paddy (Rice) cultivation**

Dr. Graziano Ghinassi (Italy) presented paper on '*Agriculture Water Multi Functionality*'. He presented studies made on Basin level in (i) Marta river basin and (ii) Mignone river basin and indicated that 50% of the water was used for agriculture and the remaining goes for other sectors. FAO Penman Formula was used in estimating the irrigation water requirement while doing the water budgeting studies.

Prof. Tai-Cheol Kim (Korea) presented paper on the same theme and indicated that 2100 mm of water was applied to paddy, whereas 995 mm accounted for return flow, resulting actual use of 1100 mm by paddy crop. He informed that the return flow is reused in the downstream. He has also informed that less water results into poor rice quality (taste). Dr Reddy (India), however, informed the house that in general the rice grown in upland areas with less water tastes better than that grown in delta area, with more water.

Dr. Inosako Koji (Japan) presented paper on '*Small scale hydropower generation using Agricultural Water*' as new power source in Japan. He stated eight reasons for going for small hydropower in canal system. He informed that 8.8 m fall in the canal (effective head of 8.0 m) with discharge of 0.45 cumec would be necessary for design of suitable small hydro generation units.

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**Item 6 : Management of Agriculture under Climate Change**

Dr. Alireza Massah (Iran) made a presentation titled "*The potential impact of climate change on Iran's agriculture*" and explained the methodology followed in detail with two case studies. He indicated that the climate change in Iran will be responsible for (i) increase in temperature of 0.04°C/year and (ii) decrease of rainfall by 20 mm/year by the end of current century. This will ultimately lead to the decrease in the crop yields in the range of about 21.2 to 125.4 kg/ha/year depending on the crop, which will be a serious concern for the people of Iran.

**6.1 Internal workshop on 'Management of Agriculture under Climate Change'**

Dr. K. Yella Reddy (India) was to present his two papers during the Tehran meeting / Workshop, viz. (i) Introduction of drip Irrigation for Paddy crop; and (ii) Mapping and Auditing of Multiple Uses of Water Services in Krishna Western Delta using MASSMUS Methodology – A Case Study.

In view of the limited time to complete the agenda, the Chairman requested Dr Reddy to make presentation in the Adelaide meeting/workshop after combining the two papers in one presentation of 15 minutes. Dr. Reddy agreed to do so.

The WG felt that the climate change effect on agriculture is going to be a serious issue across the world and hence there is a need to focus on the issue. It was proposed to organize one day workshop on 'Management of Agriculture under Climate Change' in Turkey 2013. The Chairman requested the members to circulate the agenda widely and invite more papers for presentation in the proposed workshop. He also suggested to organize the workshop jointly with WG on Climate.

**Item 7 : Website of WG**

The Chairman and Central Office had been updating the WG activities in the webpage of WG-CROP from time to time. A lot of information, documents and links are available in the website. The Chairman has placed SALTMED model and other related documents (required input data templates) in the website of WG for free download by WG members. He informed the members to make use of the website and benefit others.

**Item 8 : Work plan**

The joint workshop on '*Management of Agriculture under Climate Change*' is proposed as per Item 6.1 above. New activities suggested were:

1. The rainfall harvesting at farm level - Dr. Andrew Sanewe (South Africa) will give presentation on the topic during Adelaide meeting 2012.
2. New technologies for measuring evapotranspiration and soil moisture - VP Dr. Ragab Ragab (UK) will give presentation on this subject at Adelaide 2012. A possible presentation from Mr. Andrew Rue (South Africa) on Remote Sensing techniques may be invited.
3. Water Security and Food Security under climate and land use changes - Presentation by Prof. Rai Niaz (Pakistan) is expected on the topic at Adelaide 2012.

A three year rolling work plan needs to be developed. A table of activities based on the above will shortly be supplied to the Central Office.

**Item 9 : Any other business****• International Conference on 'World Crop 2010', London (UK)**

The Chairman informed that he attended the International Conference in London on behalf of ICID as per the request of the President, ICID and presented the paper on '*Water and Food Security*'. In addition, he shared three important observations from other speakers in the conference, (i) about short supply of Phosphorous and Potassium, which are mined natural resources and are two important fertilizers for crop production, (ii) Bio technology is needed to enhance plants to have deep rooted system for extraction of fertilizers from deeper layers, and (iii) to increase the photosynthesis efficiency of C3 to bring them to the level of C4 plants. He suggested that recycle and reuse of Phosphorous and Potassium need to be exercised to meet the future demands.

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- **FAO's Regional 'Sustainable Water Resources Use in Asia'**

The Chairman informed the members of this activity.

- **INWEPF Symposium and 8th INWEPF Steering Meeting**

Prof Mohd Amin Mohd Soom (Malaysia) briefed the WG.

- **INWEPF Symposium in Thailand (THAICID) – Outcome**

Prof. Tai Cheol Kim (Korea) briefed the WG on the Symposium.

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Minutes of the Thirty-Second Meeting of the  
**PERMANENT FINANCE COMMITTEE (PFC)**  
 Tehran, Iran  
 16 October 2011: 13.30-17.00 hours

**Members Present:** (1) Vice President Hon. Dr. Saeed Nairizi, Chairman (Iran, 2006); (2) Vice President Dr. Laszlo G. Hayde, Vice Chairman (Hungary, 2004); (3) Dr. James Ayars, Secretary (USA, 2007) represented by Mr. Larry D. Stephens; (4) Vice President Hon. Dr. Gao Zhanyi (China, 2007); (5) Mr. Akira Nakazawa (Japan, 2009); (6) Mr. Chris Bennett (Australia, 2010) represented by Mr. Ian Atkinson; (7) Mr. Francois Brelle (France, 2010) represented by Dr. Bernard Vincent; and (11) Er. M. Gopalakrishnan, Secretary General, ICID.

**Members Honoraire:** (i) President Hon. Peter S. Lee (UK); (ii) Vice President Hon. Dr. Hafied A. Gany (Indonesia).

**Observer:** (i) Eng. Raphael L. Daluti (Tanzania); (ii) Eng. Othman S. Omar (Tanzania); (iii) Mr. Hun Sun Lee (South Korea); (iv) Mr. Moussa Amadou (Niger); (v) Dr. Adama A. Sangare (Mali); and (vi) Dr. S.A. Kulkarni, Executive Secretary, ICID.

**Special Invitee:** Dr. Avinash C. Tyagi (Secretary General Designate).

**Item 1 : Confirmation of the minutes of 32<sup>nd</sup> Meeting of Permanent Finance Committee held at Tehran, Iran on 16 October 2011**

Secretary General indicated that there were no comments received on the circulated minutes. The minutes were approved.

**Item 2 : To review membership of the Committee**

The Committee admitted Mr. Ian Atkinson (Australia) for the PFC membership.

The Committee thanked profusely Vice President Dr. Laszlo G. Hayde who after completion of his six-year tenure in PFC, intended to relinquish his membership as well as the Vice Chairmanship position held by him.

The Committee accepted VPH Larry D. Stephens to represent Dr. James Ayars (USA) and also provide support to the Committee as its Secretary during the 32<sup>nd</sup> meeting.

The Committee took note of the proposals of The Netherlands National Committee (NETHCID) to substitute their representation with President Hon. Bart Schultz. This was accepted. The offer of VPH Stephens to provide Vice Chairmanship through USCID nominee Dr. James Ayers was also accepted. It was decided that Dr. Ayers will replace Vice president Dr. Laszlo Hayde (Hungary).

The Committee admitted as observers (i) Malian representative Dr. Adama Sangare to represent on the preparations for the 3<sup>rd</sup> African Regional Conference, (ii) Er. Raphael Daluti (Tanzania), (iii) Mr. Moussa Amadou (Niger), and (iv) Mr. Hun Sun Lee (South Korea).

The Committee admitted Secretary General (Designate) Dr. A.C. Tyagi as an observer in the meeting.

**Item 3 : To consider the position of arrears of annual subscription and consequential remedial action**

**3.1 Deemed Inactive National Committee with effect from 1 January 2011**

The Committee took note of the position reflected in the agenda as well as supplementary agenda. Secretary General Gopalakrishnan supplemented additional details about efforts to contact Sri Lankan National Committee (SLNCID). Despite their assurance to join the Tehran meetings reviving their membership, no progress is actually seen. Similarly he apprised the position regarding Chile. The Committee noted that VPH Dr. José A. Ortiz Fdz.-

Urrutia (Spain) had contacted the responsible senior officials in the concerned Ministry in Chile who normally participate in ICID activities. The Committee thus noted that the withdrawal request could be, perhaps a political action taken without consulting the Departments/ line agencies in the Government. The Committee advised the Central Office to follow it up through VPH Ortiz (besides formal letters that had already been issued to the Embassy as indicated by Secretary General) and work towards their continued association in ICID.

The situations in respect of arrears of other defaulting National Committees as explained in the agenda were noted. The Committee took note that the grace period of an additional year for the NCs (*who were in arrears for 3 years*) did not yield the expected results. Given the situation, the Committee decided in favour of declaring them as 'deemed inactive' NCs (i.e. *Guyana, Israel, Myanmar, Nigeria, Serbia and Uruguay*).

The overall subscription status (*as per Secretary General Gopalakrishnan's power point presentation – annexed*) indicate that the realized receipts were Rs.10.80 million, representing 80%. The corresponding figure during the last year was 83%.

The representative from Tanzania who sought an immediate revival of its membership was then taken up. SG informed that their subscription for the year 2011 was received in cash (US\$ 1620) in Tehran and it was for the Committee to consider the waiver of the arrears, as pleaded and recommended to IEC for their immediate re-admission. This was duly considered and adopted.

**Item 4 : To review progress on financial and administrative arrangements for the recently held and forthcoming ICID IECs/ Workshops/ Conferences:**

- (i) 24th European Regional Conference, 14-16 March 2011, Orleans, France
- (ii) 25th European Regional Conference, 16-20 May 2011, Groningen, The Netherlands
- (iii) 61st IEC Meeting at Yogyakarta, Indonesia
- (v) 62nd IEC Meeting and 21st Congress, 15-23 October 2011, Tehran, Iran
- (v) 3rd African Regional Conference, 29 November – 5 December 2011, Bamako, Mali
- (vi) 63rd IEC Meeting and 7th Asian Regional Conference, 24-29 June 2012, Adelaide, Australia
- (vii) 11th International Drainage Workshop, September 2012, Cairo, Egypt
- (viii) 64th IEC Meeting and 8th Asian Regional Conference, October 2013, Mardin, Turkey
- (ix) 65th IEC Meeting and 22<sup>nd</sup> Congress, 2014, Seoul, Korea

**(i) 24th European Regional Conference, 14-16 March 2011, Orleans, France**

PFC noted that the French National Committee (AFEID) had held the event successfully. A sum of Euro 6875 towards 5% of the registration fee of the event as ICID Contribution was payable by AFEID.

Secretary General informed the Committee that AFEID had assured a sum of Euro 2380 and had indicated in the sidelines of the Committee meeting that the amount had been sent through banking channel. (*SG confirms its receipt on the subsequent day*).

**(ii) 25th European Regional Conference, 16-20 May 2011, Groningen, The Netherlands**

NETHCID had indicated its intention to remit Euro 960 (*anticipated sum was US\$ 8888*) towards 5% of the registration fee of the event, as ICID contribution. SG indicated that NETHCID is yet to remit. Central Office shall follow up.

**(iii) 61st IEC Meeting at Yogyakarta, Indonesia**

Secretary General informed the Committee that INACID remitted US\$ 21,946 as the yield of the event in October 2010 in Yogyakarta (*the anticipated budgetary sum was US\$ 91,500*). The reduction in anticipated remittance was explained by INACID, and has been inserted in the agenda notes.

The Committee took note of the financial receipts from the annual conference.

**(iv) 62nd IEC Meeting and 21st Congress, 15-23 October 2011, Tehran, Iran**

IRNCID re-assured to remit 50% of the registration fee of the Congress registrants, as per the procedure in vogue.

**(v) 3rd African Regional Conference, 29 November – 5 December 2011, Bamako, Mali**

On behalf of AMID, a brief on the preparations of the 3<sup>rd</sup> African Regional Conference was provided by Dr. Adama Sangare. It was noted that AMID is yet to mobilize the requisite revenue as per the balance sheet. The support to bridge the deficit money, Dr. Adama informed, has been assured by his Government. This was noted.

**(vi) 63rd IEC Meeting and 7th Asian Regional Conference, 24-29 June 2012, Adelaide, Australia**

On behalf of the Australian National Committee (ICID-NCA), Mr. Ian Atkinson made a detailed presentation on the proposed event in June 2012. PFC could not review the financial aspects since it was not presented in the usual format. A broad picture, taking on the board the possible risk associated with the varying number of registrants and the minimum number that would be required to break even, came up. The Committee urged Mr. Ian Atkinson to firm up the schedule dates and also provides more details of the financial arrangements as per the prescribed formats in vogue.

**(vii) 11th International Drainage Workshop, September 2012, Cairo, Egypt**

No representative from Egypt attended the PFC meeting and the requisite details were unavailable. Central Office shall ask this for presentation in Adelaide in June 2012.

**(viii) 64th IEC Meeting and 8th Asian Regional Conference, October 2013, Mardin, Turkey**

There was no representative during the meeting to provide the details. Central Office shall ask this for a presentation in Adelaide in June 2012.

**(ix) 65th IEC Meeting and 22nd Congress, 2014, Seoul, Korea**

There was no representative during the PFC meeting to provide the details. The Committee urged Secretary General to write to the Korean National Committee (KCID) to provide a formal presentation in Adelaide in June 2012.

**Item 5 : To discuss and recommend to IEC the audited accounts for the year 2010-2011**

The PFC took note of the audited accounts for the financial year (1 April 2010 to 31 March 2011) as reported in the agenda and recommended the same to IEC for approval.

**Item 6 : Forecast for the current financial year 2011-12**

The PFC held detailed discussions on the forecasts for the current financial year 2011-12. Inter-alia, INACID contribution based on the annual event held in Yogyakarta in 2010 was discussed. It approved the proposals in the agenda and allowed a `one time concession' to the Indonesian National Committee (INACID). In essence, it meant that the local participants could not be included on the ground explained.

SG explained about Management Board discussions on the receipt of royalty at only 10% instead of 12% of receipts from M/s Wiley & Blackwell. This was taken note of.

All the details in the agenda notes related to receipts and payments were looked into. Explanation was provided by Secretary General to questions, as clarifications. The committee appreciated the excellent control of expenses, particularly the Central Office `Salaries and Benefits'. It was felt that the reduction in this regard is discernible.

The Committee recommended for approval the forecast for the year 2010-11.

**Item 7 : To consider and recommend to IEC the budget for the financial year 2012-13**

Each one of the items that forms part of `Receipt and Payments' were looked into in detail with the simultaneous explanations by Secretary General, as required.

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The Committee recommended for approval the budgetary provision outlining in the agenda to IEC.

**Item 8 : To consider the preliminary budgets for years 2013-14 and 2014-15**

The preliminary budget for the year 2013-14 and 2014-15 was considered as `long range' forecast. These could be impacted with several possible risks and uncertainties. The major income was the `likely' receipts from the let-out property by nearly 300%. SG has projected a substantial increase. It was explained that this increase is in tune with the escalation in rentals and in tune with the real estate trends in Delhi, India. The Committee noted the optimism, inherent in the projected revenues.

The risks in negotiating an acceptable rental agreement with the M/s Yes Bank got highlighted during the discussion. The desirability of helping the Secretary General with an `Oversight Committee' to support his negotiations was mooted. PFC recommended to this to IEC, for a decision.

With the possibility of a substantial increase in the revenue, a few items of expenditure of higher order had also been planned in the budget. The Committee felt that these are long range projections incidental to higher receipts and would not incurred if the receipts do not allow them to be undertaken. These can then be just indicators of the trend. The Committee recommended to the Council tentatively, for approval of preliminary forecasts of 2013-14 and 2014-15.

**Item 9 : To note the external funding assistance received in 2011-12 and identify additional funding sources**

The Committee took note of the fact that no external funding assistance had been tied up in 2011-12. Further efforts for assistance (*under external funding*) will be explored by all office-bearers, in the future.

**Item 10 : Broadbasing of ICID Membership**

The Chairman of the Committee constituted for the purpose, VPH Felix Reinders could not join the discussions on this subject. Secretary General briefed that Reinder's Committee is busy on their tasks and are in contact with each other in the sidelines, And that the Chairman is likely to bring forth the recommendations of this Committee to IEC directly. This was noted.

**Item 11 : Any other business (with the permission of the Chair)**

No new item was proposed by the members. The Chairman adjourned the meeting.

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## Permanent Finance Committee (PFC) Chairman's Report to the 62<sup>nd</sup> International Executive Council Tehran, Iran, October 2011



ICID-CID



## Items considered

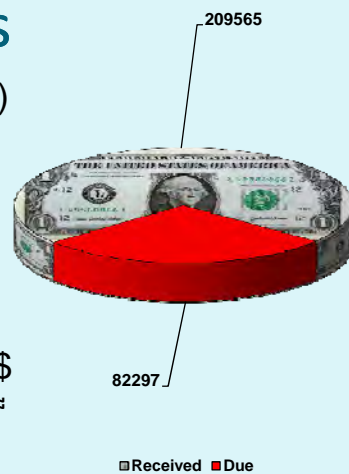
- Confirmation of the Minutes (31<sup>st</sup> PFC, Yogyakarta)
- Membership review
  - Readmission of Tanzania as active member with their subscription receipt
- Subscription arrears – status reviewed
- Arrangements for future ICID Events in relation to relevant 'financial aspects'
- Accounts
  - 2010-11 **Audited Accounts**
  - 2011-12 **updated Forecast (current financial year)**
  - 2012-13 **Budget**
  - 2013-14 and 2014-15 **Preliminary Budgets**

## Changes in the Membership

- Membership
  - **Minimum 9 & Maximum 15 Members including SG**
  - **Presently there are 11 members including SG**
  - **VP Hayde, Vice Chairman on completed six-year tenure and shall retire after the 62<sup>nd</sup> IEC**
  - **Mr. Ian Atkinson was inducted in replacement of Mr. Chris Bennett**
  - Observers: (i) Malian Representative Adama Sangare, (ii) Tanzanian Representative Raphel Daluti and (iii) SG Designate A. Tyagi;
  - Secretary James Ayars had sent ; VPH Larry D Stephens (USA) provided support to PFC as Secretary in his place.
  
- Electing a Vice Chair for PFC
  - **Mr. James Ayars, USA was accepted as VC, in place of VP Lazlo G. Hayde (Hungary)**

## Subscription Status

- Anticipated subscription (2010) receivable from 65 active members was US \$ 243 225. Till March 2011, the realised receipts was Rs. 10.80 million {approx. equal to US\$ 0.240 million.
- Arrears (2010) sums upto US \$ 38,780; the % age realised is  $\approx$  80% (last year this fig. was 83%)



Complete Subscription status  
in US\$

## Arrears in Subscriptions



- Subscription Arrears
  - 5 NCs due > one year; 15 NCs > 2 years (by 03/11)
    - Current arrears stand at \$ 82,297 (₹ 3.62 m)
  - 6 countries owing total \$ 36,665 (₹ 1.61 m) could fall as '*deemed to be inactive*' on 1<sup>st</sup> Jan'12
    - Kyrgyz Republic, Macedonia, Morocco, Sri Lanka and Zambia > **3 years** [Concession given during 60<sup>th</sup> IEC]
    - Greece, Guyana, Israel, Kazakhstan, Myanmar, Nigeria, Niger, Serbia, Uruguay > **2 years** . **Greece paid partially promising steps to clear the balance**
  - Remedies were discussed
  - Tanzania sought the revival of its membership with the payment of current year subscription by spot payment in cash. PFC waived arrears on request and suggest their readmission
  - Review of the Chilean membership withdrawal case & further steps were taken note of.

## Yield from Past Events

- **61<sup>st</sup> IEC, October 2010, Yogyakarta, Indonesia**
  - **INACID** remitted US\$ 21,946 against an anticipated sum of US \$ 91,500
- **24<sup>th</sup> European Regional Conference, March, 2011, Orleans, France**
  - AFEID had assured a sum of Euro 6875 that is yet to be remitted
- **25<sup>th</sup> European Regional Conference, 5/ 2011, Groningen, The Netherlands**
  - Against the anticipated sum of US \$ 8888, NETHCID could remit EURO 2380 only, has now been received.

## Forthcoming ICID events



- **62<sup>nd</sup> IEC Meeting and 21<sup>st</sup> Congress, 15-23 October 2011, Tehran, Iran**
  - IRNCID assured to honour the 50% payment to ICID as per the number of Congress registrants
- **3<sup>rd</sup> African Regional Conference, September 2011, Mali**
  - AMID representative gave details of the financial preparations and an anticipated deficit is yet to be covered by special efforts
- **63<sup>rd</sup> IEC Meeting, June 2012, Adelaide, Australia**
  - IAL representative provided a brief on the arrangements; the financial aspects were reviewed and IAL were advised to follow the format prescribed by PFC for the financial arrangements
  - Also, review the schedule to give sufficient time for Pre Council meetings and IEC besides the annual Conference

## Financial Arrangements for Future Events (contd ...2)



- **11<sup>th</sup> International Drainage Workshop, 2012, Cairo, Egypt**
  - ENCID is yet to provide a response in the prescribed format. No representative attended PFC to give the requisite details
- **64<sup>th</sup> IEC meeting & 8<sup>th</sup> ARC (2013) Mardin, Turkey**
  - Turkish NC representative is also being invited to provide the financial details in the prescribed proforma
- **65<sup>th</sup> IEC Meeting and 22<sup>nd</sup> Congress, Korea (2014)**
  - KCID representative is being invited to provide the financial details in the prescribed proforma
- **Invitation for future meetings of ICID**
  - **66<sup>th</sup> IEC meeting**
    - There are two NCs with offers to host viz: THAICID (*in Chang Mai*, and AFEID (*in Montpellier*); a decision is likely during IEC meetings this week on the successful bidder, when they introduce their offers.

## Discussions on Budget

- PFC reviewed the audited account for Year 2010-11
  - PFC reviewed the updated Forecast for 2011-12
  - The Budget for 2012-13 was also considered
  - Preliminary Budgets 2013-14 and 2014-15
- Discussion and possible trends were reviewed for these long range forecasts

## The Audited Accounts (2010-11)

Consolidated Receipts and Payments Account (1 April 2010 to 31 March 2011)		
	2010-11 (Rs.)	2009-10 (Rs.)
<b>RECEIPTS</b>		
Membership Subscription	10 807 667	9 726 890
Publications	979 233	666 053
Conference Support	987 570	1 319 041
Interest	976 928	935,563
Others	694 933	1 039 542
Let out property (Rent)	9 726 729	11 933 108
<b>Total Receipts</b>	<b>24 173 050</b>	<b>25 640 157</b>
<b>PAYMENTS</b>		
Salaries and Retirement Dues	19 291 182	16 819 253
Services and Maintenance	2 504 919	2 035 248
Property Tax and Utilities	427 212	1 748 068
ICID Journal	1 622 655	1 982 745
Printing and Distribution	513 803	750 386
Conference Expenditure	52 319	-
Travel Expenditure	358 112	783 840
Others	47 000	64 618
<b>Total Payments</b>	<b>24 815 202</b>	<b>24 184 158</b>
<b>SURPLUS (DEFICIT)</b>		
Surplus (Deficit) (1)	(646 152)	1 456 039
Grant Receipts	450 000	-
Grant Utilization	46 839	-
Surplus (Deficit) of Grants (2)	403 161	-
<b>Net Surplus (Deficit) (1) + (2)</b>	<b>(242 991)</b>	<b>1 456 039</b>
	As on 31.3.2011	As on 31.3.2010

Available in  
The Printed  
Agenda

# Review of the Actual Audited Accounts (2010-11)



- Audited Accounts for Year Ending 31 March 2011

- actual exchange rate ₹/USD ~45.52 (₹ 45 was in the budget)
- current assumption for 2010-11 is also ₹ 45

- Receipts INR

	In Million ₹
• Subscription from NCs	10.81
• Conferences	0.99
• Let out property in CO	9.73
• Other items (publications, bank interest & others)	3.09
<b>Total</b>	<b>24.62</b>

# Actual Audited Accounts (2010-11)



- Audited Accounts for Year Ending 31 March 2011

- Actual exchange rate hovered around ₹/USD 45 (while ₹ 45 was also assumed in the earlier budget projections)

	In Million ₹	
• Receipts	24.17	
• Payments ₹		
• Salaries & benefits		19.29
• Services & maintenance		2.50
• Property Tax & Utilities		0.43
• Journal		1.62
• Printing & distribution		0.52
• Conference Expenditure		0.05
• Travel Expenditure		0.36
• Others		0.05
• Payment to L&DO (dues are around 8.80 m Can pay only after receiving the demand notice from L&DO (thus this will be a deferred payment due until it is made))		
<b>Total</b>	<b>24.17</b>	<b>24.82</b>

Note: Due to rounding off, minor differences in the total occur

## Actual Audited Accounts (2010-11)

- Audited Accounts for Year Ending 31 March 2011

- Actual exchange rate ₹/USD ± 45

In Million ₹

- |  |       |
|--|-------|
| • Receipts   | 24.17 |
| • Payments   | 24.82 |
| • Deficit  | 0.65  |
| • Closing Balance Sheet  |       |
| • Total assets (opening 50.21m)  | 48.41 |
| • Current liabilities (opening 13.90 m)  | 13.26 |
| • Net assets (reserves) 36.31m at Mar-2011   | 35.16 |
| • net assets decreased by Rs. 1.16 m   |       |
| • equivalent to 1.32 times the 3-year rolling average of annual receipts excluding grants (viz 1.77 at Mar-11) . But L&DO payments, as and when made, will change this ratio, adversely.   |       |
| • PFC noted that the deficit could have been more, had there been L&DO payments as due to them were possible this year. The demand notice for dues from rent is not forthcoming from Government Agency concerned, for initiating necessary payment action. |       |
- **PFC recommend for Council approval the audited account for the Year 2010-11 .... Pause for voting**

## Forecast for the year 2011-12

- Forecast 2011-12 (up to March 2012)

- Based on ₹/USD ± 44
- Receipts INR (budget 35.35 m)

In Million ₹

- |   |       |
|---|-------|
| • Subscription receipts (budget 11.27 m)                        | 10.33 |
| • Publications (budget 1.09 m)                                  | 0.19  |
| • Rent from additional space at Central Office (budget 10.02 m) | 10.02 |
| • Conference support (budget 11.00 m)                           | 10.85 |
| • Other items (budget 1.97 m)                                   | 1.58  |
|   | 32.96 |

# Forecast for the year 2011-12

- **Forecast 2011-12**

- Based on ₹/USD 44 (₹ 44 in New Delhi budget)

	In Million ₹	
• <b>Receipts ₹ (budget 35.35 m)</b>	<b>32.96</b>	
• <b>Payments ₹ (budget 27.12 m)</b>		
• salaries & benefits (budget 15.24 m)		13.83
• services & maintenance (budget 2.67 m)		2.88
• property tax & utilities (budget 1.99 m)		3.55
• rehabilitation/ refurbishing (budget 0.10 m)		0.10
• Journal (budget 1.55 m)		1.67
• printing & distribution (budget 0.62 m)		1.03
• conference expenditure (budget 1.50 m)		1.00
• subscription to other organizations (budget 0.20 m)		0.05
• travel (budget 1.25 m)		1.05
• payment to L&DO from Rent (budget 2.00 m)		6.00
• Other payments (budget 0)		0.01
<b>TOTAL</b>	<b>32.96</b>	<b>31.21 m</b>

Note: Due to rounding off, a mismatch in totals result.

# Forecast for the year 2011-12

- **Forecast 2011-12 (to be approved)**

- Based on ₹/USD 44

	In Million ₹
• Receipts (budget 35.35 m)	32.96
• Payments (budget 27.12m)	31.21
• Surplus/(Deficit) budget 8.23 m	1.75
• Closing reserve at Mar-2011	
• (35.16m Mar-2011)	

- **PFC seek Council approval for the Revised Forecast for 2011-12, as recommende above**

## Budget for 2012-13

- Budget 2012-13 (to be Approved)

- Based on ₹/USD 44

• Receipts	26.87	
• subscription receipts (2011-12 – 11.27m)		10.64
• publications (2011-12 - 1.74m)		0.84
• conference support (2011-12 - 11.0m)		4.07
• rent from additional space at Central Office (2011-12 – 10.01m) -- includes 1.5m payable to Gol		10.02
• other items (2011-12 - 1.32m)		1.32
<hr/>		
<b>Total</b>		<b>26.87</b>

## Budget for 2012-13

- Budget 2012-13 (to be Approved)

- Based on ₹/USD 44

• Receipts ₹ (2011-12 forecast 32.96m)	26.87	
• Payments ₹ (2011-12 forecast 31.21m)		
• salaries & benefits (2011-12 : 13.84m)		16.09
• services & maintenance (2011-12 : 2.88m)		2.87
• property tax & utilities (2011-12 : 3.55m)		2.09
• rehab./refurbishing (2011-12 : 0.01m)		0.01
• printing & distribution (2011-12 : 2.7m)		3.24
• travel for meetings (2011-12 : 1.05m)		1.06
• conference expenditure (2011-12 : 1.0m)		0.02
• Subscription to other orgns. (2011-12 : 0.05 m)		0.0
• payment to L&DO instalment (2011-12 : 6.00m)		2.00
• other (2011-12 : 0.04m)		0.04
• contingency		-
<hr/>		
<b>Total</b>		<b>27.71</b>

## Revised Budget (2012-13)

- Budget 2012-13 (to be Approved)
  - Based on ₹/USD 44

	In Million ₹
• Receipts ₹ (approved 35.35 m)	26.87
• Payments ₹ (approved 27.12 m)	27.71
• Surplus/(Deficit)	(-0.84)

- PFC recommend IEC approval for the budget 2012-13

## Preliminary Budget (2012-15)

- Budgets for Next 3 Years
  - Based on a constant exchange ratio of ₹/USD 44


	2012-13	2013-14	2014-15
• Receipts (Million ₹)	26.87	36.50	49.54
• Payments (Million ₹)	27.71	37.21	35.41
• Surplus/(Deficit) [Million ₹]	(-0.84)	(-0.71)	14.13

- grant income equals expenditure and is only 0.5m (ignored)
- 3.0m for renovation of Central Office in 2013-14

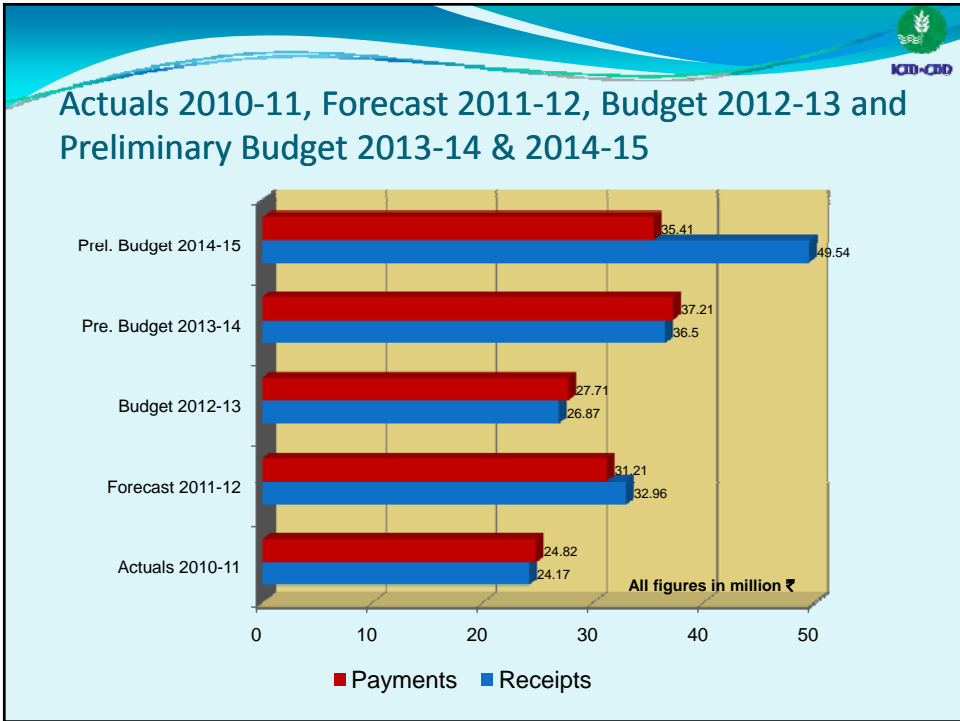
• Closing Reserve (Million ₹)	44.34	48.54	***
• factor of income (factor of 3-year annual receipts excluding grants)	1.65	1.33	***

\*\*\* Since the forecast for a situation that might obtain for 2015-16 is highly uncertain, moving average for 2014-15 will be clear next year

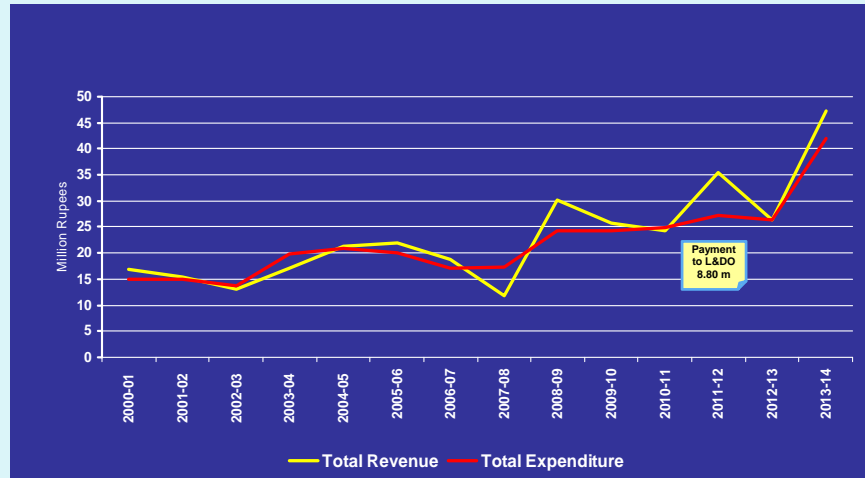
- PFC seek Council approval for these long range forecasts



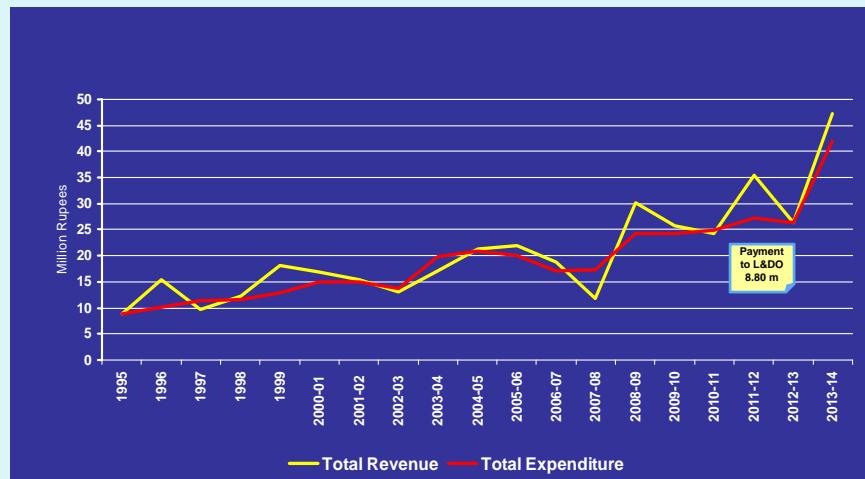
# Graphical Analyses for the Past years and the future



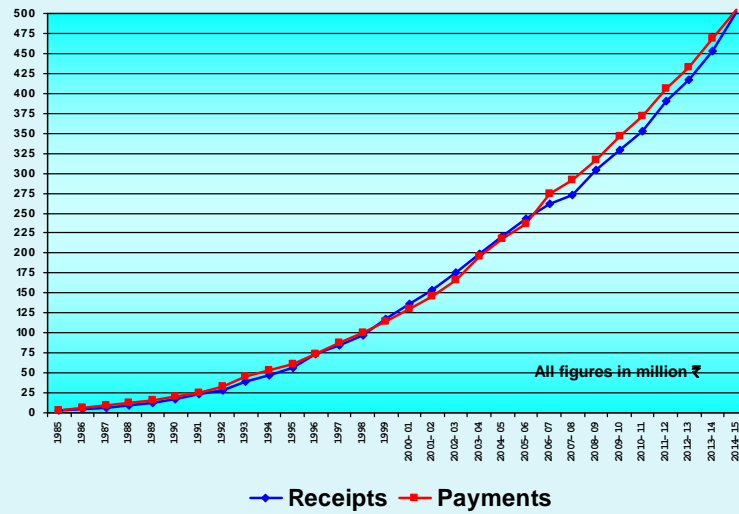
## ICID Revenue vs Expenditure



## ICID Revenue vs Expenditure



## Receipts & Payments (cumulative)



Thank  
you!



## Supplementary Agenda Notes

**Note:** Various attachments, annexes mentioned in the 'Supplementary Agenda Notes' were placed/ tabled at the respective workbody meetings, hence not appended here.

### SIXTY-SECOND MEETING OF THE INTERNATIONAL EXECUTIVE COUNCIL (IEC)

Tehran, Iran

First Session: 22 October 2011: 09.00 to 12.30 hours

Second Session: 22 October 2011: 13.30 to 17.00 hours

#### Matters for Decision

#### Item 2 : Application of Countries for ICID Membership

During the visit of President Chandra Madramootoo to ICID Central Office on 19 September 2011, the issue of Chile membership came up. President suggested that Secretary General use the good offices of Dr. José A. Ortiz Fdz.-Urrutia, Vice President Hon., ICID and Executive Secretary, CEYRD whose contact with Spanish speaking South American countries was well known to ICID community.

VPH Ortiz (letter dated 21 September 2011) when contacted responded instantaneously. It came out that he was in touch with the past members of the Chilean National Committee for reviving the membership already. The letter as received from VPH Ortiz runs thus: (to quote)

"Dear Secretary General,

Thanks for your letter below but I did already know the withdrawal of Chile as member of ICID. Actually, when I received the Agenda for the 62nd IEC and read the in Item 2 that Chile had withdrawn its membership of ICID, I could not believe. Immediately I wrote to my good friend and former Secretary of CHICID, Mr. Gastón Mahave (with whom I keep continuous correspondence), asking him for the reasons of the withdrawal, but my question was a piece of news to him who did not know the Chilean withdrawal. Neither Mr. Jorge Gálvez, also former Secretary General of CHICID was aware of the withdrawal nor of the letter of Chilean Embassy at New Delhi, that I sent to them.

Mahave, surprised for that inconceivable decision of Chilean Government, answered to me immediately, telling that both, he and Galvez, would inquire into this surprising decision and try to follow the path to whom, from the Ministry of Public Works gave instructions to the Ministry of Foreign Affairs so that the Ambassador in New Delhi write the withdrawal letter.

From then, until today we have had a dense correspondence and they have investigated as much as possible but have not found any good response. It seems that nobody in the Ministry knows a word on this subject. Just upon receiving my news, G. Mahave prepared an information note aimed to be handed over personally by his son to the Minister of Public Works, but unfortunately he could not meet the Minister. They do not rule out that someone of the close environment of the Minister had made him, for some reason, some negative commentary on CHICID, and the Minister, instead of checking this one with other opinions, allowed the interested person to start the withdrawal process. Both, Mahave and Galvez, feel very negative for the country to be out of ICID.

Just before withdrawing, CHICID's President was a newly designed Director General of Public Works and, as Secretary General, was appointed Eng. (Mrs.) Brenda Cordova.

I know that either Gaston Mahave or Jorge Galvez are making efforts to find a way to inform directly the Minister on the convenience to keep the ICID membership, but things does not seem to be so easy.

I do not know what can be the best to do, but probably could be effective an answering letter from ICID President to the Ambassador, asking for the solid reasons that have moved the Chilean Government to withdraw from ICID or why they do not feel happy to belong to this worldwide Organization. I really do not know what could be the best way to reactivate CHICID.

I am, obviously, open to your suggestions, and desirous to be of help."

Secretary General has written to the Embassy of Chile in New Delhi on 23 September 2011 to know the reason of its withdrawal, based on the above letter and so far, a response has not come.

## Elections

### Item 15 : Election of President and Three Vice Presidents

#### (a) Election of President

A letter has been received from Mr. Claude-Alain Vuillerat, Président, Swiss National Commission on Agro-Systems and Land Improvement (CH-AGRAM) for postal voting in favour of a particular presidential candidate. Under Article 5.5 of the Constitution – to quote

“5.5 Any National Committee which will have no representative at a meeting of Council may submit any matter in writing to the Secretary-General for consideration by the Council; this shall be read at the meeting but shall not be deemed to constitute a vote at the meeting except when the Council may decide in any particular case.”

Unquote.

For consideration

#### (b) Election of Vice Presidents

Nominee statement for the election of Vice Presidents, SI No.4.

- The name of Prof. Kim, Thai Cheol **may be corrected as** Prof. Tai Cheol, Kim

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## TWENTY-SECOND MEETING OF THE PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)

Tehran, Iran

18 October 2011 : 09.00-12.30 hours (Session – I)

18 October 2011 : 13.30-17.00 hours (Session – II)

### A. CONTINUING ITEMS

#### Item 2 : Membership of PCSO and Workbodies

2.2 The President, ICID in consultation Secretary General has nominated Vice President Dr. Ragab Ragab to be the next Chairman of PCSO, when the current Chairman VPH Dr. Hafied Gany retires at the end of Tehran IEC and appurtenant tours. This is in accordance with ICID By-law 3.2.2(e). Vice President Dr. Ragab will serve as the Chair, PCSO until 2014.

#### Item 2 : Membership of PCSO and Workbodies

#### 2.4 Recommendation of Workbodies for the position of Chairmen/ Vice Chairmen/ Secretaries

The Chairs/ Vice Chairs/ Secretaries of the following workbodies will retire at the end of Tehran meetings. New Chairs/ Vice Chairs/ Secretaries elected by the workbodies will be considered for recommendation to IEC for acceptance.

Name of Workbody	Chairs/ Vice Chairs/ Secretaries
------------------	----------------------------------

ST-LCB	Vice President Hon. Engr. I.K. Musa, Chairman (Nigeria)
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Since ST-LCB is to be wound up with this meeting, the question of new nomination is not arising in this case.

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**Item 4 : Active National Committees & Reactivation of Inactive National Committees (NCs)**

As indicated in the agenda, the Embassy of Chile in New Delhi informed that the Government of Chile had decided to withdraw its membership from ICID effective from 31 May 2011. President ICID has written a letter to the Ambassador of Chilean Embassy in New Delhi seeking reasons for their withdrawal from ICID. This has been done in consultation with VPH José Ortiz (Spain) and Secretary General ICID. Their response is awaited. VPH Dr. Ortiz has communicated with Chilean National Committee and learned that they were not consulted by the Chilean Embassy (New Delhi). The Committee may like to provide suggestions to move forward.

**Vice Presidents' reports on their efforts to strengthen regional cooperation and activities of NCs**

Vide his e-mail dated 04 October 2011, Vice President Laszlo Hayde has written to H.E. Tzvetan Vasilev Dimitrov, Deputy Minister, Ministry of Agriculture and Food, Republic of Bulgaria, regarding the reactivation of Bulgarian National Committee. VP Hayde in his e-mail recalled the long association of Bulgaria with ICID and the immense benefits the National Committee can draw by being reactivated again.

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**SEVENTEENTH MEETING OF THE WORKING GROUP ON YOUNG  
IRRIGATION PROFESSIONALS FORUM (WG-YPF)**

**Tehran, Iran**

**16 October 2011: 09.00-12.30 hours**

Mr. Yaser Barghi (Iran), WG-YPF, Chair, has informed (12 October 2011) that he will not be able to attend Theran meetings due to unavoidable circumstances.

**Item 2 : Review of the membership of the Working Group**

**2.1 Membership of the Group**

**(a) Past nominations**

CVs of following nominations are placed below for consideration by the WG –

- Ms. Kartabayeva Irina Anatolyevna (Kazakhstan)
- Mr. Nikolay Akhmatovich in place of Dr. Nariman Shamsutdinov (Russia)
- Engr. Muhammad Ejaz Tanveer in place of Engr. Qazi Tallat Mahmood Siddiqui (Pakistan)

**(b) New nominations**

The Korean National Committee on Irrigation and Drainage (KCID) has nominated (29 September 2011) Dr. Sung Hee Lee for the membership of the Working Group. CV of Dr. Sung Hee Lee is placed below.

CVs of other nominees are placed below for consideration by the WG –

- Dr. Ibrahim El-Baroudy (Egypt)
- Eng. Emad Mohamed Mahmoud Khalil (Egypt)
- Mr. Gao Lihui in place of Ms. Jianxin Mu (China)

Attendance/contribution record of the members of the WG-YPF during 2009 and 2010 is placed below.

**Item 7 : Current activities of YPF members**

Ms. Hayati binti Zainal (Malaysia) has provided (11 August 2011) the report of the 16th MANCID Annual Conference (MANCO) held from 26-27 February 2011 in Penang, Malaysia to the ICID Central Office. The Central Office circulated (16 August 2011) the report of the conference to all members of the WG-YPF. A copy of the report is placed below.

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**EIGHTEENTH MEETING OF THE ASIAN REGIONAL WORKING GROUP (ASRWG)**

**Tehran, Iran**

**16 October 2011: 13.30-17.00 hours**

**Item 2 : Membership of the Working Group**

**2.1 New nominations**

CVs of the following new nominees are enclosed for consideration:

- Dr. Kota Tirupataiah in place of Mr. Ravinder Singh (India)
- Mr. Uttam Raj Timilsina in place of Mr. Khem Raj Sharma (Nepal)

**2.2 Deferred nominations**

CVs of the following nominees (deferred) are enclosed for consideration:

- Mr. Hanan Itzkovitch (Israel)
- Dr. Tapas Kumar Biswas (Australia)

Attendance sheet of the members at the meetings of the ASRWG held in 2009 and 2010 are enclosed.

**Item 7 : Possibilities of developing cooperative arrangements with International Society of Paddy and Water Environment Engineering (PAWEES) and International Network of Water Environment and Paddy Fields (INWEPF)**

The Central Office circulated (14 September 2011) the 'Final announcement brochure' of MANCID-INWEPF Joint Symposium and INWEPF Steering meeting to be held from 1-3 November 2011 at Penang Island (Malaysia) to all members of the WG.

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**SECOND MEETING OF THE WORKING GROUP ON 'IRRIGATION AND DRAINAGE IN THE STATES UNDER SOCIO-ECONOMIC TRANSFORMATION' (WG-IDSST)**

**Tehran, Iran**

**16 October 2011: 13.30-17.00 hours**

**Item 2 : Review of the membership of the Working group**

CV of Mr. Ernazarov Nazimjon (Uzbekistan) is placed below for consideration of the membership (as an Observer) of WG-IDSST.

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**SEVENTEENTH MEETING OF THE EUROPEAN REGIONAL WORKING GROUP (ERWG)**

**Tehran, Iran**

**17 October 2011: 09.00-12:30 hours**

**Item 2 : Review of membership of the Working Group**

- Vice President Laszlo Hayde has contacted (28 September 2011) Mr. Konstantine Kobakhidze, Head of the Agricultural Development Department and Mr. Vakhtang Gogaladze, Deputy Head of the Agricultural Development Department, Ministry of Agriculture of Georgia regarding ICID membership of Georgia. VP Hayde provided details of ICID membership to Georgia. Their response is awaited.
  - VP Hayde further contacted (04 October 2011) H.E. Tzvetan Vasilev Dimitrov, Deputy Minister, Ministry of Agriculture and Food, Republic of Bulgaria regarding the reactivation of Bulgarian National Committee. VP Hayde in his e-mail recalled the long association of Bulgaria with ICID and the immense benefits the National Committee can draw by being reactivated again.
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- VPH Prof. Dr. Brane Maticic (Slovenia) has informed (9 October 2011) that he will not be able to attend the Tehran meetings.

Attendance of members in 2009 and 2010 meetings is enclosed as Annex.

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## **TWENTY SECOND MEETING OF THE AFRICAN REGIONAL WORKING GROUP (AFRWG)**

**Tehran, Iran**

**17 October 2011: 09.00-12.30 hours**

### **Item 2 : Review of membership of the group, countries and permanent observers**

#### **2.1 Membership of the group**

The Italian National Committee (ITAL-ICID) has nominated Ing. Adriano de Vito (Italy) for the membership of the group. CV of Ing. Vito is awaited. The group may like to decide about his membership at the meeting.

Attendance sheet of the members during the meetings held at 2009 and 2010 is attached.

#### **3.2 3rd African Regional Conference, 29 November – 5 December 2011, Mali**

AMID is looking for experts to participate in the panel discussions. The Central Office requested (27 September 2011) all ICID National Committees and Chairs of workbody to nominate a professional for the following and send it to CO latest by 10 October 2011 –

- Keynote speaker for each of the three themes, and
- Interested expert to participate in the panel discussions

The nominations received, if any by the ICID Central Office will be tabled at the Management Board (MB) meeting to be held at Tehran in October 2011.

Vide e-mail of 10 October, Ms Domitille Vallée, Agriculture Water Management (FAO) to Dr. Adama Sangare (Mali) proposed a session at the upcoming ICID conference in Bamako on “Smallholder Private Irrigation – Supporting the Trend in the Face of Climate Change”. The Organiser would be the AgWater Solutions project led by International Water Management Institute, the UN Food and Agriculture Organization (FAO), and several dialogue partners including the Ghana Irrigation Development Authority (GIDA), and Burkina Faso Direction des Aménagements et du Développement de l'Irrigation (DADI).

The aim of the Session is to discuss selected Agricultural Water Management (AWM) strategies to enhance the poverty reduction potential of smallholder private irrigation while avoiding adverse social and environmental impacts. More details on the session is attached.

The matter will also be discussed at the ICID Management Board meeting to be held on 15 October 2011 at Tehran.

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## **SIXTH MEETING OF THE SPECIAL WORK TEAM ON LAKE CHAD BASIN (ST- LCB)**

**Tehran, Iran**

**17 October 2011: 09.00-12.30 hours**

### **Item 2 : Membership of the Special Work Team**

The nomination of Mr. Illiassou Mossi Maiga (Niger) for the membership of the team was deferred to Tehran meeting due to his non-attendance at the Lahore/ New Delhi / Yogyakarta meetings. CV of Mr. Maiga is placed below.

Attendance of the members at the meetings of the ST-LCB held in 2009 and 2010 is placed below.

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**THIRTY-FIRST MEETING OF THE PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**

**Tehran, Iran**

**21 October 2011: 09.00-12.30 hours (Session-I)**

**21 October 2011: 13.30-17.00 hours (Session-II)**

**Item 2 : Membership of the Committee**

**2.2** Attendance chart of the members at the PCTA meetings in 2009 and 2010 is placed at **Annex1**.

**Item 3 : Composition of Workbodies**

**3.2 New membership proposals for Working Groups**

**Committee on Public Relations and Publications (C-PR&P)**

New nomination

- Mr. A.K. Kharya in place of Mr. A.K. Ganju (India)

**ICID Journal Editorial Board (EB-JOUR)**

New nomination

- Dr. Takao Masumoto (Japan)

**Working Group on Water Management in Water Stressed Regions (WG-DROUGHT)**

New nomination

- Dr. Takanori Nagano in place of Prof. Dr. T. Watanabe (Japan)

**Working Group on Sustainable Development of Tidal Areas (WG-SDTA)**

New nominations

- Dr. Kazuaki Hiramatsu in place of Mr. Kazumi Ueda (Japan)
- Dr. Park Kiwook in place of Dr. Park Sang Hyun (Korea)

**Working Group on Comprehensive Approaches to Flood Management (WG-CAFM)**

New nominations

- Mr. Chhotey Lal in place of Mr. G.S. Purba (India)
- Mr. Marcel Marchand (The Netherlands)

**Working Group on Global Climate Change and Agricultural Water Management (WG-CLIMATE)**

New nomination

- Dr. S.K. Dash in place of Dr. Krishna Kumar Kanikicharla (India)

**Working Group on Use of Poor Quality Water for Irrigation (WG-PQW)**

New nomination

- Dr. Takanori Nagano in place of Dr. Makoto Yokozawa (Japan)
-

## **Working Group on On-Farm Irrigation Systems (WG-ON-FARM)**

New nomination

- Dr. Akira Iwamoto in place of Dr. Makoto Yokozawa (Japan)

### **8.7 65<sup>th</sup> IEC Meeting and 22<sup>nd</sup> International Congress on Irrigation and Drainage, 2014, Seoul, South Korea**

Vide his e-mail dated 16 September 2011, VPH Dr. Mark Svendsen (USA), a member of the Work Team to Develop Topics and Subtopics for the 22<sup>nd</sup> ICID Congress, has sent his observations on the draft proposals sent by Dr. Tai Cheol Kim, Convenor of the WT. VPH Svendsen also sent his apologies for absence at the Tehran meeting. A copy of the e-mail containing the observations is placed at **Annex 2**.

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## **FOURTEENTH MEETING OF THE WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND FLOOD CONTROL (WG-HIST)**

**Tehran, Iran**

**16 October 2011: 09.00-12.30 hours**

Dr. Bert Toussaint, Secretary, WG-HIST has informed (14 September 2011) the Central Office that he will not be able to attend the Tehran meetings and requested that somebody may make the minutes of the WG-HIST meeting.

Prof. Hatcho has informed (8 October 2011) that due to conflicting schedule with WG-ENV meeting, Dr. Yamaoka will represent him in the WG-HIST meeting.

### **Item 2 : Review of membership of the Working Group**

The Italian National Committee (ITAL-ICID) has nominated Ing. Antonio Linoli (in place of Mrs. F. Sinatti) for the membership of the Working Group. The CV of Ing. Linoli is awaited.

#### **2.1 Past nominations**

CVs of the following nominations are placed below for consideration:

- Mr. Zarar Aslam in place of VPH Dr. I. B. Shaikh (Pakistan)
- Dr. Thierry Ruf in place of Mr. Jean Verdier (France)

Attendance of the members at the meetings of the WG-HIST held in 2009 and 2010 is placed below.

### **Item 3 : Report by the Chairman on progress made by the National Working Groups (NWG) on their assignments**

Dr. Bert informed (14 September 2011) that due to financial constraints, the book "Comparative history of the US and the Netherlands water resource management" has not been published yet and is expected to be published in 2012. He will send a copy of the book once it is published.

Dr. Bert has provided (11 October 2011) his comments on the memo on "Monsoon Irrigation History" book to Prof. Hatcho (Japan). A copy of the same is placed below for discussion.

Dr. Bert is also hopeful to attend the Adelaide meeting in June 2012 and will make a presentation on the book during the WG meeting.

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## **THIRD MEETING OF THE WORKING GROUP ON ENVIRONMENT (WG-ENV)**

**Tehran, Iran**

**16 October 2011: 09.00-12.30 hours**

Prof. Yih-Chi Tan (Chinese Taipei) has informed (6 October 2011) the Chair that he will not be able to attend the Tehran meetings.

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Dr. Ge van den Eertwegh (The Netherlands), former Secretary, WG-ENV has informed (24 August 2011) the Central Office that he will not be able to attend the Tehran meetings.

**Item 2 : Membership of the Working Group**

**2.1 New nomination**

The Italian National Committee (ITAL-ICID) nominated Dr. Anna Tedeschi (in place of Mr. Stefano Salbitani) for the membership of the Working Group. CV of Dr. Anna Tedeschi is placed below.

**2.2 Past nominations**

CVs of the following nominations (deferred) are placed below:

- Mr. Javeed Iqbal Bokhary in place of Dr. Engr. I.B. Shaikh (Pakistan)
- Mr. Ahmed Aziz (Iraq)

Attendance of the members at the meetings of the WG-ENV held in 2009 and 2010 is placed below.

**Item 8 : WG-ENV members' questionnaire**

In response to the circulation of the questionnaire, the Central Office has received the filled-in questionnaires from the following professionals -

- Mr. Osmo Purhonen (Finland)
- Mr. Taner Kimence (Turkey)
- Mr. Clarke Ballard (Australia)

A copy of the filled-in questionnaires is placed below.

**Item 13 : Any other business**

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**TWENTY-NINTH MEETING OF THE WORKING GROUP ON DRAINAGE (WG-DRG)**

**Tehran, Iran**

**16 October 2011: 09.00-12.30 hours**

VPH Prof. Dr. B. Maticic (Slovenia) vide e-mail of 9 October 2011 informed that he will not be attending the Tehran meeting due to objective reasons.

**Item 2 : To review the membership of the Working Group**

The Iranian National Committee (IRNCID) has nominated Mr. Ardavan Azari in place of Dr. M. Bybordi for the membership of the Working Group. CV of Mr. Ardavan Azari is kept below for consideration.

Attendance of members at the meetings held in 2009 and 2010 is kept below.

**Item 3 : Activities of the Working Group**

**3.1 Technologies for reducing polluted drainage water and quality improvement**

On 22 September 2011, Ir. R. Davtalab, Coordinator of Technical Working Groups, IRNCID has forwarded a draft presentation of Mojtaba Akram titled "Drainage challenges of Iran in the near future" to Chairman VP Dr. Vlotman with a copy to Central Office.

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**SECOND MEETING OF THE TASK FORCE ON WATER FOR  
BIO-ENERGY AND FOOD (TF- BIO-ENERGY)  
Tehran, Iran  
16 October 2011: 09:00 – 12:30 hours**

**Item 5 : Any other business**

Mr. Laurie Tollefson (Canada), Chairman, TF-BIO-ENERGY (8 October 2011) informed that he will not be able to attend the Tehran meetings due to unavoidable circumstances. He, however, suggested to move ahead and arrive at best way to move forward.

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**FOURTH MEETING OF THE WORKING GROUP ON TECHNOLOGY AND  
RESEARCH UPTAKE AND EXCHANGE (WG-TRUE)  
Tehran, Iran  
16 October 2011: 13.30-17.00 hours**

Prof. Dr. Shaden Abdel-Gawad, Vice Chairperson, WG-TRUE (Egypt) vide e-mail of 22 September 2011 informed the Central Office that she will be attending the Tehran meeting and also volunteered to chair the WG meeting.

**Item 2 : Review of membership, including new nominations**

The Indian National Committee (INCID) has nominated Dr. N.S. Raghuvanshi in place of Dr. K. Palanisami and Mr. Indra Raj for the membership of the Working Group. CV of Dr. Raghuvanshi is placed below.

The Malaysian National Committee (MANCID) has nominated Dr. Chan Chee Sheng in place of Dr. Mohammad Che Husain for the membership of the Working Group. CV of Dr. Sheng is placed below.

Attendance of the members at the meetings held in 2009 and 2010 is placed below.

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**FOURTH MEETING OF THE WORKING GROUP ON WATER MANAGEMENT IN  
WATER STRESSED REGIONS (WG-DROUGHT)  
Tehran, Iran  
16 October 2011: 13:30:17:00 hours  
Strategy Theme: Basin**

**Item 2 : Review of membership of the Working Group**

The Japanese National Committee of ICID (JNC-ICID) has nominated (9 September 2011) Dr. Takanori Nagano (Japan) in place of Prof. Dr. T. Watanabe for the membership of WG-DROUGHT. CV of Dr. Nagano is attached for consideration.

Attendance of members in 2009 and 2010 meetings is enclosed as **Annex**.

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**THIRD MEETING OF THE WORKING GROUP ON ROLE OF IRRIGATION IN POVERTY  
ALLEVIATION AND LIVELIHOODS (WG-POVERTY)  
Tehran, Iran  
17 October 2011: 09.00-12.30 hours**

**Item 2 : To review membership of the Working Group**

CV of Dr. Laura Schroeder (USA) is placed below.

Attendance of the members at the meetings of the WG held in 2009 and 2010 is placed below.

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**FIFTH MEETING OF THE TASK FORCE ON FINANCING WATER FOR AGRICULTURE (TF-FIN)**

**Tehran, Iran**

**17 October 2011: 09:00-12:30 hours**

**Item 2 : Membership of the Task Force**

The Indian National Committee of ICID (INCID) has re-nominated (26 September 2011) Mrs. Ananya Ray (India) for the membership of TF-FIN. CV of Mrs. Ananya Ray is attached for consideration.

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**EIGHTEENTH MEETING OF THE ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**

**Tehran, Iran**

**17 October 2011: 13:30-17:00 hours**

**Item 2 : Review of the members of the Editorial Board**

The Japanese National Committee of ICID (JNC-ICID) has nominated (9 September 2011) Dr. Takao MASUMOTO (Japan) for the membership of EB-JOUR. CV of Dr. MASUMOTO is attached for consideration.

Attendance of members in 2009-2010 meetings is enclosed as **Annex 1**.

**Item 3 : Reports (from Editor, Chairman etc.)**

The Chairman's report 2010 is enclosed as **Annex 2**. A brief update for the subsequent period (January-September 2011) will be made available during the meeting.

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**FIRST MEETING OF THE WORKING GROUP ON SUSTAINABLE  
DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**

**Tehran, Iran**

**17 October 2011: 09:00-12:30 hours**

**Strategy Theme : Basin**

**Item 2 : Review of membership of the Working Group**

The Japanese National Committee of ICID (JNC-ICID) has nominated (9 September 2011) Dr. Kazuaki HIRAMATSU (Japan) in place of Mr. Ueda Kazumi for the membership of WG-SDTA. CV of Dr. HIRAMATSU is attached for consideration.

The Korean National Committee on Irrigation and Drainage (KCID) has nominated (29 September 2011) Dr. Park Kiwook (Korea) in place of Dr. Park Sang Hyun for the membership of WG-SDTA. CV of Dr. Park Kiwook is attached for consideration.

Ir. Henk P. Ritzema (The Netherlands), Vice-Chairman of WG-SDTA has informed (3 October 2011) that he will not be able to attend the Tehran meetings.

Attendance of members in 2009 and 2010 meetings is enclosed as **Annex**.

**Item 12 : Any Other Business**

**Translation of SDTA Handbook in Korean Language**

The Korean National Committee on Irrigation and Drainage (KCID) has informed that they desire to translate the WG SDTA publication titled "Towards Sustainable Development of Tidal Areas : Some Principles and Experiences" in Korean language. ICID management has welcomed the move.

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The KCID may wish to take note of relevant provisions in ICID By-laws 6.5 –

**“6.5 Copyrights and use of ICID Logo**

Publications and outputs of ICID workbodies are, in principle, the property of ICID and are subject to copyrights laws as applicable. The use of these publications and the logo of ICID is subject to intellectual property rights laws and regulations in effect and the permission of ICID shall be sought when applicable. This applies to all reproduction by print, electronic media, internet and web based applications.”

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**SIXTH MEETING OF THE WORKING GROUP ON GLOBAL CLIMATE CHANGE AND  
AGRICULTURAL WATER MANAGEMENT (WG-CLIMATE)**

**Tehran, Iran**

**17 October 2011: 13.30-17.00 hours**

**Item 2 : Review of membership**

The Indian National Committee on Irrigation and Drainage (INCID) has nominated Dr. S.K. Dash in place of Dr. Krishna Kumar Kanikicharla for the membership of the WG. CV of Dr. Dash is attached for consideration by the group.

CVs of the following nominations (deferred) are placed below for consideration by the group:

- Dr. Edward Keith Weatherhead (UK)
- Ir. C.W.J. Roest (The Netherlands)
- Mr. Naseer Ahmed Gillani (Pakistan)
- Ms. Flaviana S. Hilario (Philippines)

Attendance of members at the meetings held in 2009 and 2010 is attached.

**Item 4 : Website of the Working Group**

Prof. Ray Shyan Wu (Chinese Taipei) has informed (12 October) the ICID Central Office that the new website of WG-CLIMATE has been moved to <http://ctcid.water.tku.edu.tw/icidwg-climate>.

**Item 9 : Any other business**

Inter-Agency Consultation meeting on User Interface Platform for the Agriculture and Water Sectors in GFCS, 26-28 September 2011, Rome, Italy.

Upon invitation from World Meteorological Organization (WMO), VPH Dr. Mark Svendsen, Chairman, WG-CLIMATE participated in the Inter-Agency Consultation meeting on User Interface Platform (UIP) for Agriculture, Food Security and Water Sectors of the Global Framework for Climate Services (GFCS) held on 26-28 September 2011 at Rome, Italy. VPH Dr. Svendsen made a presentation on “Irrigation Sector Needs for Climate Services” during the meeting.

Chairman/ his nominee may like to brief the outcome of the above meeting at Tehran.

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**FOURTEENTH MEETING OF THE WORKING GROUP ON ON-FARM  
IRRIGATION SYSTEMS (WG-ON-FARM)**

**Tehran, Iran**

**17 October 2011: 13.30-17.00 hours**

**Item 2 : Review of membership of the Working Group**

CVs of the following nominations are placed below for consideration by the Group –

- Dr. Akira Iwamoto in place of Dr. Makoto Yokozawa (Japan)
-

- Dipl. Ing (FH) Jano Anter (Germany)

Attendance of members at the meetings held in 2009 and 2010 is placed below.

#### Item 11 : Any other business

##### Irrigation efficiency in the countries having major irrigated area

Recently, VPH Felix Reinders has forwarded the data provided by the Italian National Committee (ITAL-ICID) to ICID Central Office as below.

Country	Irrigated area (Mha)	Sprinkler irrigation area	Micro irrigation area	Sprinkler and micro irrigation area	Ratio of sprinkler and micro irrigation (%)	Surface irrigation area (Mha)	Ratio of surface irrigation (%)	Sprinkler irrigation efficiency (%)	Micro irrigation efficiency (%)	Surface irrigation efficiency (%)	Average irrigation efficiency (%)	Year of reporting
		ha										
Italy	2.666	981,163	570,568	1,551,731	58.20	1.114	41.80	75	85	60	71.59	2010

#### TWENTY-SIXTH MEETING OF THE WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFMM)

Tehran, Iran

18 October 2011: 09:00-12:30 hours

Strategy Theme: Basin

#### Item 2 : Review of membership of the Working Group

The Indian National Committee of ICID (INCID) has nominated (2 September 2011) Mr. Chhotey Lal (India) in place of Mr. G.S. Purba for the membership of WG-CAFMM. The CV of Mr. Chhotey Lal is however awaited.

The Netherlands National Committee of ICID (NETHCID) has nominated (7 October 2011) Mr. Marcel Marchand (The Netherlands) for the membership of WG-CAFMM.

Mr. Marchand's interests in his own words, are :

During my professional career I became more and more fascinated by the relation between natural hazards and sustainable development. Coming from a country where high standards of flood control are considered normal practice I am all the more curious how people in other countries cope with much higher flood risks. While visiting many foreign countries I became deeply aware that flood risk management should be more integrated within the wider concepts of land use planning, environmental conservation, water resources management and socioeconomic development. For me and for my organisation, Deltares, the membership of the working group on Flood Management of ICID would provide an excellent opportunity to contribute to the mainstreaming of flood risk management into strategic policy making and planning for landuse, water management and sustainable development.

The CV of Mr. Marchand is attached for consideration.

Attendance of members in 2009 and 2010 meetings is enclosed as **Annex**.

**FIFTH MEETING OF THE WORKING GROUP ON MODERNIZATION OF  
IRRIGATION SERVICES (WG-MIS)**

**Tehran, Iran**

**18 October 2011: 09.00-12.30 hours**

VP Dr. Willem Vlotman (Australia) informed (13 October) all members that Ian Atkinson, Secretary, IACID and CEO IAL will serve as Chairman for the 5<sup>th</sup> meeting of WG-MIS at Tehran.

**Item 2 : Membership of the Group**

The Iranian National Committee (IRNCID) has nominated Mr. Mehrzad Ehsani in place of Dr. M.K. Siahhi for the membership of the Working Group. CV of Mr. Ehsani is placed below.

Attendance of members at the meetings held in 2009 and 2010 is kept below.

**Item 4 : Internal Workshop of the WG**

As suggested by Vice Chairman Francois Brelle, the ICID Central Office requested all members of the WG to inform well in advance about their intention to make a presentation during the WG meeting. In response, Dr. Ashwani Kumar (India) has informed (11 October 2011) that he will not be attending the Tehran meeting but sent a paper entitled "Participatory Irrigation Management (PIM): Indian Experiences". A copy of the paper is attached.

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**SIXTEENTH MEETING OF THE WORKING GROUP ON USE OF  
POOR QUALITY WATER FOR IRRIGATION (WG-PQW)**

**Tehran, Iran**

**18 October 2011: 09.00-12.30 hours**

**Item 2 : Review of the membership of the Working Group**

**2.1 New nominations**

The Japanese National Committee (JNC-ICID) has nominated Dr. Takanori NAGANO in place of Dr. Makoto Yokozawa for the membership of the Working Group. CV of Dr. Nagano is placed below for consideration.

CVs of the following nominations are placed below for consideration by the group –

- Dr. D.K. Sharma in place of Dr. N.K. Tyagi (India)
- Dott. Anna Tedeschi (Italy)

**2.2 Past nominations**

CVs of the following nominations (deferred) are placed below for consideration -

- Dr. Tapas Kumar Biswas (Australia)
- Dr. Jinzhong Yang to replace Dr. Gao Zhanyi (China)
- Mr. Bekbayev Ussen (Kazakhstan)
- Mr. M. Sidhu to replace Mr. Maghmoom Muhammad Iqbal/ Dr. Ramzan Choudhry (Pakistan)

Attendance of members at the meetings held in 2009 and 2010 is placed below.

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**TWENTIETH MEETING OF THE COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)**

**Tehran, Iran**

**18 October 2011: 13.30-17.00 hours**

**Item 2 : Review of the membership**

The Indian National Committee on Irrigation and Drainage (INCID) has nominated Mr. A.K. Kharya in place of Mr. A.K. Ganju (India) for the membership of the Committee. CV of Mr. Kharya is placed below for consideration.

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Prof. Gwo-Hsing Yu, Secretary General, Chinese Taipei Committee (CTCID) has informed the Central Office (19 August 2011) that Prof. Hseih, Yung-Hsu would not be attending the Tehran meeting and would inform the changes to the Central Office in due course.

Attendance of the members at the meetings of the Committee held in 2009 and 2010 is placed below.

**Item 4 : Sale of publications/Congress Transactions during the period 2010-11**

**4.2 Sale of Congress Transactions**

Normally the maximum sale of ICID publications takes place at the time of Congress/ IEC meetings. Especially, in case of Congress proceedings their sale declines after the Congress. It is therefore proposed that the list price of the Congress Transactions be further reduced so as to encourage/ promote their sale during the period of Congress itself. For e.g. in case of Tehran Congress the list price worked out is US\$600; while the discounted price (50%) to the ICID NCs and booksellers is kept as US\$300. The Committee may discuss ways & means to enhance the good sale of Congress transactions.

Similarly, the list price of SDTA book is US\$400 and the discounted price (50%) to the ICID NCs and SDTA members is US\$200.

The Committee may like to consider and advise as how to go about.

**Item 8 : Any other business**

- **Translation of SDTA Handbook in Korean Language**

The Korean National Committee on Irrigation and Drainage (KCID) has informed that they desire to translate the WG SDTA publication titled "Towards Sustainable Development of Tidal Areas : Some Principles and Experiences" in Korean language. ICID management has welcomed the move.

The KCID may wish to take note of relevant provisions in ICID By-laws 6.5 –

**"6.5 Copyrights and use of ICID Logo**

Publications and outputs of ICID workbodies are, in principle, the property of ICID and are subject to copyrights laws as applicable. The use of these publications and the logo of ICID is subject to intellectual property rights laws and regulations in effect and the permission of ICID shall be sought when applicable. This applies to all reproduction by print, electronic media, internet and web based applications."

- **Special publications of the 21<sup>st</sup> ICID Congress**

It is proposed to bring out a publication in the form of a book with a title "Water Productivity towards Food Security" using the key papers/ inputs from the General Rapporteur/ key presentations made during the Congress sessions, special sessions/ FAO workshops etc. If agreed by the Committee, a small editorial team may be formed to bring out the first draft of the publication. It is proposed to release the book possibly at the time of the Australia event in 2012.

The Committee may like to consider.

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**EIGHTEENTH MEETING OF THE WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)**  
**Tehran, Iran**  
**18 October 2011: 13:30-17:00 hours**  
**Strategy Theme: Systems**

**Item 2 : Review of membership of the Working Group**

Attendance of members in 2009 and 2010 meetings is enclosed as **Annex**.

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**FOURTH MEETING OF THE WORKING GROUP ON WATER AND CROPS (WG-CROP)**  
**Tehran, Iran**  
**18 October 2011: 13:30-17:00 hours**  
**Strategy Theme: On-Farm**

**Item 2 : Review of membership of the Working Group**

Mr. Laurie C. Tollefson (Canada), Vice-Chairman of WG-CROP has informed (7 October 2011) that he will not be able to attend the Tehran meetings.

VPH Prof. Dr. Brane Maticic (Slovenia) has informed (9 October 2011) that he will not be able to attend the Tehran meetings.

Attendance of members in 2009 and 2010 meetings is enclosed as **Annex**.

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**THIRTY SECOND MEETING OF THE PERMANENT FINANCE COMMITTEE (PFC)**  
**Tehran, Iran**  
**16 October 2011: 13.30-17.00 hours**

**Item 2 : To review membership of the Committee**

(a) As per ICID By-law 3.2.1.2, "Members of each Committee will be appointed for a three-year term by the Executive Council at the time of a Congress and may continue to function up to a total of six years, continuously or intermittently. Members, who no longer are actively functioning, may be replaced at the time of the Council meeting according to the aforesaid rules." Accordingly, the following member has completed six years of his tenure at the time of the Yogyakarta Council meeting.

- Vice President Dr. Laszlo G. Hayde, Vice Chairman (Hungary)

(b) Mr. Bert Toussaint (The Netherlands) has informed vide his e-mail of 14 September 2011 (**Annex 1**) that he would not be able to attend the Tehran Congress and requested that he may be replaced by PH Prof. dr. Bart Schultz at the PFC meeting.

(c) CV of Mr. Ian Atkinson (**Annex 2**) is placed below for consideration at the meeting.

**Item 3 : To consider the position of arrears of annual subscription and consequential remedial action**

**3.1 Deemed Inactive National Committee with effect from 1 January 2011**

- Secretary General made contact telephonically with Dr.(Eng.) G.G.A. Godaliyadda, Chairman of the Sri Lanka National Committee (SLNCID) regarding reactivation of SLNCID. Dr. Godaliyadda had indicated that he might attend the Tehran Conference. Central Office has once again sent invoices to SLNCID on 23 September 2011 asking remittance of the subscription amount.
- A copy of letter received from the Chilean Embassy in New Delhi withdrawing membership from ICID effective from 31<sup>st</sup> May 2011 is placed below (**Annex 3**). SG will provide a brief on subsequent development.

**3.2 Arrears**

As per revised statement, at least 18 active National Committees are in arrears of subscription as on 30 September 2011. Following 6 NCs are in arrears of one year subscription and 12 are in arrears of two years or more:

Arrears of one year subscription

1.	Afghanistan (2010)	US\$	2380
2.	Hungary (2007)	US\$	2960
3.	Lithuania (2010)	US\$	2815
4.	Mali (balance for 2010)	US\$	110

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5.	Philippines (2008)	US\$	2655
6.	Switzerland (2010)	US\$	3040
	<b>Total</b>	<b>US\$</b>	<b>13960</b>

## Arrears of two years or more

1.	Brazil (balance for 2009 and 2010)	US\$	6529
2.	Greece (2008 and 2009)	US\$	6650
3.	Guyana (2007, 2009 and 2010)	US\$	4990
4.	Israel (2008, 2009 and 2010)	US\$	5675
5.	Kazakhstan (2009 and 2010)	US\$	5330
6.	Myanmar (2007, 2008, 2009 and 2010)	US\$	8235
7.	Nigeria (2008, 2009 and 2010)	US\$	4755
8.	Niger (balance for 2008, 2009, and 2010)	US\$	3248
9.	Saudi Arabia (balance for 2009 and 2010)	US\$	300
10.	Serbia (2008, 2009 and 2010)	US\$	7655
11.	Syria (2009 and 2010)	US\$	3585
12.	Uruguay (2008, 2009 and 2010)	US\$	5355
	<b>Total</b>	<b>US\$</b>	<b>62307</b>

An amount of US\$ 2006 towards arrears of subscription is expected to be received in October as per information received from the Niger National Committee (ANID) on 5 October 2011.

**Item 4 : To review progress on financial and administrative arrangements for the recently held and forthcoming ICID IECs/ Workshops/ Conferences**

**(i) 24th European Regional Conference, 14-16 March 2011, Orleans, France**

The Central Office has sent a reminder to the French National Committee (AFEID) requesting to remit 5% contribution as ICID share from the registration fees of the 24<sup>th</sup> ERC. Response is awaited.

**(ii) 25th European Regional Conference, 16-20 May 2011, Groningen, The Netherlands**

Dr. Bert Toussaint, Chairman, Organizing Committee of 25<sup>th</sup> ERC has informed the Central Office vide his e-mail of 8 August 2011 that Euro 950 will be remitted to ICID on account of 5% contribution as ICID share from the 25<sup>th</sup> ERC registration fees.

Response is awaited.

**Item 11 : Any other business (with the permission of the Chair)**

The ICID Central Office has brought two new publications, namely ICID Congress Transactions and Towards Sustainable Development of Tidal Areas: Principles and Experiences. The proposed list price for Congress Transactions is US\$ 600 and for SDTA is US\$ 400, respectively. However, the sale price for ICID national Committees and booksellers will be US\$ 300 and US\$ 200, respectively (a discount of 50 per cent).

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