

**SUPPLEMENTARY AGENDA NOTES FOR THE  
SIXTY-THIRD MEETING OF THE INTERNATIONAL EXECUTIVE COUNCIL (IEC)  
Adelaide, Australia  
28 June 2012: 08:30-12:30 hours (First Session)  
28 June 2012: 13:30-17:30 hours (Second Session)**

**Item 2: Report of the actions taken on the decisions of 62<sup>nd</sup> IEC and the decisions taken by the Management Board since the last IEC meeting**

The Action Taken Report of the MB is attached as **Annex 1**.

**Item 7: Applications of countries for ICID Membership**

Chad was admitted in the ICID family in the year 2003, but paid the subscription for the year in May 2012. Hence the membership will be effective from 1 January 2012.

Zimbabwe joined ICID family in the year 1955 and became inactive in 2001. In the process of reactivating the inactive National Committees of ICID, ICID Central Office received a response from Mr. Thubelihle Andrew Thebe (Interim) {Secretary ZwCID}, Member, Zimbabwe Institution of Engineers in a e-mail dated 27 May 2012 that ZwCID has made a decision to clear all the outstanding bill and current dues through the Department of Irrigation before the 63<sup>rd</sup> IEC meeting.

**Annex 1** [Item 2]

***Given below is the gist of important decisions taken by the Management Board through four virtual meetings held since Tehran IEC meeting. They are:***

**1. Virtual Management Board Meeting No.1, November 2011 (via E-mail)**

The MB decided to nominate five personnel representing ICID to avail a 20% discount offered by them to ICID, being a WWC Member, to attend the 6<sup>th</sup> World Water Forum in Marseille, France in March 2012.

*All the nominated persons have attended the WWF6, after availing the offer.*

**2. Virtual Management Board Meeting No.2, December 2011 (via E-mail)**

The MB decided to co-convene a Workshop titled “*Best use of blue water resources for food security*” during the Stockholm World Water Week 2012 at no cost to ICID.

*Accordingly co-convenor agreement was signed with SIWI by the Secretary General on 19 March 2012 and sent to SIWI.*

**3. Virtual Management Board Meeting No.1/12, 27 January 2012 (via E-mail)**

The MB considered Australian National Organizing Committee’s request for not insisting on 50% reduced registration fee for Young Professionals for 63<sup>rd</sup> IEC Meeting and 7<sup>th</sup> Asian Regional Conference, Adelaide, Australia, 24-29 June 2012. The MB decided to continue with the practice of offering 50% reduced registration fee for young professionals as offered by the host National Committees for past ICID events.

It was also decided that the 15% share be calculated on the total fees received (excluding registration fee from full time students).

*The MB decision has been communicated to the Organizing Committee of IACID.*

#### **4. Management Board Meeting No.2/12, 15 March 2012**

The MB considered the following items and the decisions on them are as follows:

- ***Allocation of Thematic Areas to Vice Presidents***

The MB decided to allocate thematic areas amongst the Vice Presidents for the terms of 2010-2013 and 2011-2014. The MB decided to invite the Systems theme leader to make a presentation at the 63<sup>rd</sup> IEC. The MB decided to allocate the themes to the newly elected VPs in Adelaide so that each theme is looked after by two Vice-presidents. The consent has been obtained from all VPs, except VP Husnain Ahmed (who declined) and VP Sangare, who has not responded.

- ***Review of progress in follow up on the issue of broad basing of ICID membership***

The MB asked that the changes required in the constitution and bye-laws are sent to the NCs two months before the meeting of IEC as required by the constitution and bye-laws.

*This has been complied with.*

- ***New Format of the Documents presented at the IEC meetings***

The MB approved the new format for the minutes of IEC and PCs for testing during the 63<sup>rd</sup> IEC meeting.

*The Agenda for all workbody meetings, PCs and IEC has been prepared as per the new format.*

- ***Follow up on the IPTRID***

The MB decided that a proposal on the appointment of Board of Governors for the new Programme replacing IPTRID should be brought before the 63<sup>rd</sup> IEC for its consideration and decision.

The MB decided that CNCID, in collaboration with the CO, should come out with an appropriate name for the new Programme as adopted by 61<sup>st</sup> IEC and propose a suitable name and visual identity for the Programme, after considerations by the Board of Governors of the Programme.

The MB decided that that all the Regional Nodes should present 3-year programme to the Board of Governors, and the CNCID Regional Centre should coordinate the work among the Regional Centres and present the annual progress of work carried out by all the Regional Nodes based on report submitted by them to the Board of Governors.

The MB decided to invite all the National Committees to present proposals for other Regional Nodes as identified in the concept note presented at Yogyakarta IEC and asked to submit a proposal to that effect before the Adelaide IEC meeting.

*All NCs have been asked to present their proposals for Regional Nodes in their countries.*

- ***Constitution of the Oversight Committee (OC) for renovation of ICID Building at New Delhi***

The MB approved the constitution of the OC and its mandate.

*The OC has been constituted.*

- **Wastewater workshop in New Delhi in May 2012**

The MB approved the organization of the second Regional Workshop for Central, Western and South Asian countries.

*The workshop is being organized with UN-Water funding, and ICID is providing the logistical support and the cost of the venue.*

#### **5. Virtual Management Board Meeting No.3/12, 11 April 2012 (via E-mail)**

The MB considered the registration fee for 63<sup>rd</sup> IEC and 7<sup>th</sup> ARC and related events in Adelaide, Australia.

The MB decided that the registration fee should be AUD 990 charged for the Adelaide events.

*This has been communicated to IACID.*

SUPPLEMENTARY AGENDA NOTES FOR THE TWENTY-THIRD MEETING OF THE  
**PERMANENT COMMITTEE ON STRATEGY AND ORGANIZATION (PCSO)**

Adelaide, Australia

16 June 2012: 11.00-12.30 hours (Session – I)

16 June 2012: 13.30-17.30 hours (Session – II)

**Item 2 : Reactivation of Inactive National Committees (NCs)**

**Annex 1** shows the updated list of ICID Network countries as on 01 June 2012 as Chad (ATID) has become a member of ICID with effect from 01 January 2012. The statement below summarizes the region-wise membership status:

<b>Region</b>	<b>Active</b>	<b>Deemed to be Inactive</b>	<b>Admitted but not paid subscription</b>	<b>Withdrawn</b>	<b>Total Network</b>
Africa	07	17	04	-	28
Americas	05	11	01	01	18
Asia and Oceania	22	08	04	01	35
Europe	22	06	-	01	29
<b>Total</b>	<b>56</b>	<b>42</b>	<b>10</b>	<b>03</b>	<b>110</b>

Mr. Thubelihle Andrew Thebe, Interim Secretary, Zimbabwe National Committee of ICID (ZICID) has communicated vide his e-mail dated 27 May 2012 that they have decided to clear all arrears and current dues totaling to US\$ 5890 and will be activating their Committee before 63<sup>rd</sup> IEC meeting in Adelaide.

Syrian National Committee (SYCID) has informed vide their letter dated 31 May 2012 that given the current condition experienced by Syria in terms of difficulty of the procedure and financial transfer, they would strive to transfer the amounts due on the Syrian NC when appropriate conditions prevail.

## NATIONAL COMMITTEE MEMBERSHIP NETWORK AS ON 01 JUNE 2012

AFRICA	AMERICAS	ASIA AND OCEANIA	EUROPE
<p><b>Active (Acronym) (Year of Joining)</b></p> <ol style="list-style-type: none"> <li>Chad (ATID) (2003)</li> <li>Egypt (ENCID) (1950) *</li> <li>Ethiopia (ETCID) (1976) *</li> <li>Mali (AMID)(2005) *</li> <li>Niger (ANID) (2007)</li> <li>South Africa (SANCID) (1993) *</li> <li>Tanzania (TANCID) (2011)</li> </ol> <p><b>Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)</b></p> <ol style="list-style-type: none"> <li>Algeria (CNAID) (1965) (1999)</li> <li>Angola (ANGCID) (1978) (1994)</li> <li>Ghana (CHANCID) (1958) (1982)</li> <li>Ivory Coast (IVCID) (1969) (1982)</li> <li>Kenya (KENCID) (1977) (2003) *</li> <li>Libya (LICID) (1988) (2000)</li> <li>Madagascar (MADCID) (1983) (1986)</li> <li>Malawi (MILCID) (1967) (2004)</li> <li>Morocco (ANAFIDE) (1959)*</li> <li>Mozambique (MOCID) (1978) (2006)</li> <li>Nigeria (NINCID) (1970) * (2012)</li> <li>Senegal (SENCID) (1966) (1992)</li> <li>Sudan (SUCID) (1964) (2003)</li> <li>Tunisia (TUNCID) (1960) (1993)</li> <li>Uganda (UGCID) (1963) (1983)</li> <li>Zambia (ZACID) (1966) (2010)</li> <li>Zimbabwe (ZICID) (1955) (2001)*</li> </ol>	<p><b>Active (Acronym) (Year of Joining)</b></p> <ol style="list-style-type: none"> <li>Brazil (ABID) (1970) *</li> <li>Canada (CANCID) (1956) *</li> <li>Chile (CHICID) (1979)</li> <li>Mexico (MXCID) (1951) *</li> <li>USA (USCID) (1951)*</li> </ol> <p><b>Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)</b></p> <ol style="list-style-type: none"> <li>Argentina (ARCID) (1975) (2004)</li> <li>Colombia(INAT)(1966)(2003) *</li> <li>Dominican Republic (DOMCID) (1961) (1986)</li> <li>Ecuador (EDORCID) 1959) (1985)</li> <li>Honduras (HOCID) (1979) (1999)</li> <li>Guyana (GUCID) (1992) * (2012)</li> <li>Panama (PANACID) (1980) (1990)</li> <li>Peru (PERU-ICID) (1965) (1973)</li> <li>Surinam (SURCID) (1956) (1985)</li> <li>Uruguay (URUCID) (2007) (2012)</li> <li>Venezuela (VENCID) (1963) (1982)</li> </ol>	<p><b>Active (Acronym) (Year of Joining)</b></p> <ol style="list-style-type: none"> <li>Afghanistan (AFGCID) (2008)</li> <li>Australia (IAL) (1952) *</li> <li>Bangladesh (BANCID) (1973)*</li> <li>China (CNCID) (1983) *</li> <li>Chinese Taipei (CTCID) (1969)*</li> <li>Fiji (FIJCID) (2009)</li> <li>India (INCID) (1950) *</li> <li>Indonesia (INACID) (1950) *</li> <li>Iran (IRNCID) (1955) *</li> <li>Iraq (IRQCID) (2006)</li> <li>Japan (JNC-ICID) (1951) *</li> <li>Kazakhstan (KAZCID) (2006)</li> <li>Korea (KCID) (1970) *</li> <li>Malaysia (MANCID) (1958) *</li> <li>Nepal (NENCID) (1973)</li> <li>Pakistan (PANCID) (1953) *</li> <li>Philippines (PNC-ICID) (1956) *</li> <li>Saudi Arabia (SACID) (1977)</li> <li>Syria (SYCID) (1962)</li> <li>Thailand (THAICID) (1950) *</li> <li>Turkey (TUCID) (1954) *</li> <li>Uzbekistan (UzNCID) (1994)*</li> </ol>	<p><b>Active (Acronym) (Year of Joining)</b></p> <ol style="list-style-type: none"> <li>Austria (AUNCID) (1954)</li> <li>Croatia (CRCID) (1993)</li> <li>Cyprus (CYCID) (1955)</li> <li>Czech Republic (CZNC-ICID) (1997)*</li> <li>Estonia (ESTCID) (2001)</li> <li>Finland (FINCID) (2000)*</li> <li>France (AFEID) (1953) *</li> <li>Germany (GECID) (1957)*</li> <li>Greece (GRCID) (1957) *</li> <li>Hungary (HUCID) (1955)*</li> <li>Ireland (IRCID) (1978)</li> <li>Italy (ITAL-ICID) (1950) *</li> <li>Lithuania (LNCID) (1994)</li> <li>Netherlands (NETHCID) (1950)*</li> <li>Portugal (PNCID) (1954)</li> <li>Romania (CNRID)(1992)*</li> <li>Russia (RUCID)(1955)</li> <li>Slovenia (SINCID) (1992)*</li> <li>Spain (CERYD) (1955)*</li> <li>Switzerland (CH-AGRAM) (1951) *</li> <li>UK (ICID.UK) (1951)*</li> <li>Ukraine (UACID) (1996)</li> </ol>

AFRICA	AMERICAS	ASIA AND OCEANIA	EUROPE
<p><b>Admitted but not paid subscription (Acronym) (Year of Admission)</b></p> <ol style="list-style-type: none"> <li>Burkina Faso (BURCID) (2000)</li> <li>Cameroon (CAMCID) (2009)</li> <li>Mauritius (MAUCID) (1992)</li> <li>Sao Tome and Principe (SAOCID) (1985)</li> </ol>	<p><b>Withdrawn on their own (Acronym) (Year of Joining) (Year of withdrawal)</b></p> <ol style="list-style-type: none"> <li>Cuba (CUCID) (1970) (1991)</li> </ol> <p><b>Admitted but not paid subscription (Acronym) (Year of Admission)</b></p> <ol style="list-style-type: none"> <li>Jamaica (JAMICID) (2008)</li> </ol>	<p><b>Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)</b></p> <ol style="list-style-type: none"> <li>Israel (ISCID) (1950) (2012)</li> <li>Jordan (JORCID) (1978) (2003)</li> <li>Kyrgyz Republic (KYRCID) (2004) (2010)</li> <li>Lebanon (LEBCID) (1964) (1976)</li> <li>Myanmar (MINCID) (1962) * (2012)</li> <li>Sri Lanka (SLNICID) (1950)(2010)</li> <li>Tajikistan (TAJCID) (1997) (2003)</li> <li>Vietnam (VICID) (1960) (2003)</li> </ol> <p><b>Withdrawn on their own (Acronym) (Year of Joining) (Year of withdrawal)</b></p> <ol style="list-style-type: none"> <li>New Zealand (NEWCID) (1979) (1986)</li> </ol> <p><b>Admitted but not paid subscription (Acronym) (Year of Admission)</b></p> <ol style="list-style-type: none"> <li>Azerbaijan (AZERCID) (2005)</li> <li>Mongolia (MOGCID) (1993)</li> <li>Turkmenistan (TURMICID) (1998)</li> <li>Yemen (YECID) (1993)</li> </ol>	<p><b>Deemed to be inactive (Acronym) (Year of Joining) (Year of inactive)</b></p> <ol style="list-style-type: none"> <li>Belgium (BELCID) (1988) (1997)</li> <li>Bulgaria (BNCID) (1960) (2006)</li> <li>Macedonia (MAKCID) (1995) (2010)*</li> <li>Poland (POCID) (1957) (2006)</li> <li>Serbia (YUGCID) (2002) (2012)</li> <li>Slovak Republic (SKNCICID) (1996) (2006)*</li> </ol> <p><b>Withdrawn on their own (Acronym) (Year of Joining) (Year of withdrawal)</b></p> <ol style="list-style-type: none"> <li>Denmark (DENCID) (1981) (1986)</li> </ol>

Constitutions of 43 Committees marked \* are in Central Office record

Region	Active	Deemed to be inactive	Withdrawn	Admitted but not paid subscription	Total
Africa	07	17	-	04	28
Americas	05	11	01	01	18
Asia and Oceania	22	08	01	04	35
Europe	22	06	01	-	29
<b>Total</b>	<b>55</b>	<b>42</b>	<b>03</b>	<b>10</b>	<b>110</b>

## SUPPLEMENTARY AGENDA NOTES

Twenty Third Meeting of the  
**AFRICAN REGIONAL WORKING GROUP (AFRWG)**  
**24 June 2012: 08.30-10.30 hours**  
**Adelaide, Australia**

### **1.2 Membership of African countries**

**Chad** – Chad National Committee (ATID) was admitted in the year 2003 but did not pay its first subscription. Now the ATID has paid its first subscription and has joined ICID.

**Zimbabwe** – In May 2012, Mr. Thubelihle Andrew Thebe, Interim Secretary, ZwCID informed the Central Office that they are in the process of reactivating ICID membership and will clear all outstanding bills soon.

Further, Mr. Thubelihle Andrew Thebe informed that they are presently working on a study for instituting safe wastewater irrigation approaches/practices for Zimbabwe. ZwCID is also keen in participating and contributing to the overall goals of the project. In response, Secretary General Avinash C. Tyagi congratulated for the efforts and informed that the 3<sup>rd</sup> workshop on the safe use of wastewater in agriculture for the Anglophone countries of Africa will be held sometime in September 2012 in Nairobi.

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## SUPPLEMENTARY AGENDA NOTES

Nineteenth Meeting of the  
**ASIAN REGIONAL WORKING GROUP (ASRWG)**  
**24 June 2012: 11.00-12.30 hours (Session I)**  
**24 June 2012: 13.30-15.00 hours (Session II)**  
**Adelaide, Australia**

In June 2012, Chairman Dr. Karim Shiati requested Prof. Tai-Cheol Kim to chair the 19<sup>th</sup> meeting of the group as he will not be able to participate in the Adelaide meetings due to some unexpected issues. Prof. Kim has kindly agreed to act as Chair for the Adelaide meeting.

### **Item 1 : Membership of the Working Group**

Recently, the Malaysian National Committee (MANCID) has nominated Ir. Syed Abdul Hamid bin Syed Shuib in place of Prof. Ir. Dr. Mohd Amin Mohd Soom for the membership of the group.

### **2.1 New Country Membership in ICID**

In June 2012, Prof. Dao Trong Tu, Director, CEWAREC (Vietnam) has expressed his intention in joining the ICID membership and requested for some key documents relating to the institution and the same has been provided by the Central Office. President Dr. Gao Zhanyi also extended invitation to H.E. Dr. Hoang Van Thang, Deputy Minister, Ministry of Agriculture and Rural Development (MARD) of Vietnam to join ICID meetings at Adelaide.

Vice President Prof. Tai Cheol Kim (Korea) informed that during his visit to Mongolia in July 2012 he will discuss the issue of ICID membership with the concerned authority.

### **5.3 ADBI and APO**

In addition to Prof. Tai Cheol Kim, Mr. Shinsuke Ota made a presentation on “Key factors for success to mitigate and adapt to CC: Study of cases experienced in ICID member countries in Asia” during the workshop. Mr. Shinsuke Ota and Prof. Kim may apprise the WG.

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Supplementary Agenda Notes for the Twenty-Third Meeting of the  
**COMMITTEE ON CONGRESSES/CONFERENCES (C-CONGR)**  
24 June 2012; 15:30-17:30 hours at Adelaide, Australia

**Presented by the Chairman**

**6.1 64<sup>rd</sup> IEC meeting and 8<sup>th</sup> Asian Regional Conference, 29 September – 5 October 2013, Mardin, Turkey**

Mr. Akif Ozkaldi, Chairman of TUCID has informed that Dr. Huseyin Gundogdu (Turkey) would jointly with Ms. Serpil Koylu express TUCID's views on the feasibility of converting IEC into World Irrigation Forum (WIF).

**6.3 65<sup>th</sup> IEC meeting and 22<sup>nd</sup> ICID Congress, 14-20 September 2014, Gwangju Metropolitan City, Republic of Korea**

- **Appointment of General Reporters and Panel Experts**

Till date the following nominations have been received as General Reporter and Panel Experts for the topics and sub-topics of Q.58 and Q.59 for the Korea Congress (2014):

<b>Congress Questions</b>	<b>General Reporter / Panel Experts</b>	<b>Nominees</b>	<b>Country</b>
Q. 58	General Report	Dr. Tsugihiko Watanabe	Japan
Q.58.1	Panel Expert	Dr. Takao Masumoto	Japan
Q.59.1	Panel Expert	Dr. Koji Inosakao	Japan

This is for information only.

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SUPPLEMENTARY AGENDA NOTES

Eighteenth Meeting of the  
**WORKING GROUP ON YOUNG IRRIGATION PROFESSIONALS FORUM (WG-YPF)**  
**25 June 2012: 08.30-10.30 hours**  
**Adelaide, Australia**

**Item 1 : Review of the membership of the Working Group**

Ms. Ezee G.C (Nepal) informed the Central Office that she is looking for the financial assistance to attend the Adelaide meetings and in case if it is not possible, then she will request NENCID member to represent her in WG-YPF meeting.

**Item 8 : Any other business**

The Chairman of the WG-YPF has prepared and circulated the '*Members' Contribution Form*' among the membership of the WG for seeking their item wise contribution for WG activities and if they were attending the Adelaide meeting.

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## SUPPLEMENTARY AGENDA NOTES

Third Meeting of the  
**WORKING GROUP ON IRRIGATION AND DRAINAGE IN THE STATES UNDER  
SOCIO-ECONOMIC TRANSFORMATION (WG-IDSST)**  
25 June 2012; 08.30-10.30 hours  
Adelaide, Australia

*The Chairman of the Working Group, Dr Peter Kovalenko (Ukraine) and Prof Victor A. Dukhovny (Uzbekistan), Dy. Chairman of WG-IDSST have expressed their inability to attend the Adelaide meetings.*

VPH Dukhovny, however, has nominated Dr. Shukhrat Mukhamedjanov to represent him in the meeting and present the following item-wise comments/observations, prepared in cooperation with Dr Kovalenko, and as submitted (20 June 2012) by VPH Dukhovny, for the consideration of the WG:

### **Item 1 : Review of the membership of the Working Group**

Taking into account that Mr. Ravshan Mamutov provides, in accordance with his letter, a big scope of work in activity of NCID Uzbekistan and his role as a provider of progress and technical innovations, the group accepts his membership in WG-IDSST as an exception from the rule.

Following to the request of ICID Central office, the Chairman applies to NCID of all states related to category "under socio-economic transformation" to join our WG, especially Azerbaijan, Bulgaria, China, Kazakhstan, Hungary, Romania, Serbia, Tajikistan, and Vietnam.

### **Item 2 : Develop and strengthen the network among the countries**

Dr. Mukhamedjanov on behalf of the Chairman considers that this proposal should be taken off because the initiator of this proposal Dr. Sandor Salai who worked on behalf of FAO did not get support from decision-makers of funding.

### **Item 3 : Monitoring and evaluation of common problems in States with economy in transition**

WG discussed a need to analyze and generalize common and specific problems in the countries in transition. Following the recommendation of the WG Chairman Prof. Kovalenko about using the experience of the project Europe WG 2006 "Irrigation sector reform in Central and Eastern Europe states" (GTZ) and materials of the meetings of International Network of Basin and Irrigation organizations of EECCA in 2009 and 2010, the participants decided:

- To agree with the list of problems and proposed matrix of impact;
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- To disseminate it between irrigation agencies of all states on stage of socio-economic transformation;
- To organize publication of articles presented to this item through annual publication of the Network of Basin and Irrigation organization of EECCA, prepared by SIC ICWC together with UN EECCE before next IEC meeting.

### **Item 4 : Create database on Irrigation and Drainage in the countries of transition**

Dr. Sh. Mukhamedjanov on behalf of Vice Chairman presented a short content of Data Base existing inside of the Information system CAREWIB (Central Asia environment and water information base) and proposed to all member of the Group the same as other countries related to stage of socio-economic transformation independent from their membership in ICID to join to such gathering of information. SIC ICWC through portal <http://www.eecca-water.net> will gather and advertise these data.

### **Item 5 : Develop public-private partnerships and implementation of IWRM**

SIC ICWC continues working under projects on implementation of IWRM in Central Asia in collaboration with GWP CACENA that allows spreading it on an area of almost 400 thousands hectares in 3 states, mostly in Uzbekistan. Dr. Sh. Mukhamedjanov presented the report about a new approach for dissemination of IWRM in broader scale in other states and areas. On behalf of Vice Chairman he invited members of WG to assess and support this approach.

### **Item 6 : Identify and monitor problems (ecological situation) of closed basins**

The World accounts more than 10 closed basins of big rivers without connection with open sea: Aral Sea, Caspian Sea, Lake Chad, Lake Victoria, Lake Mono and others. Balancing water in them is a big challenge for the future,

taking into account growth of water demands, climate changes, trans-boundary problems and so on. The Group asks the Secretary General to contact IUCN that also is interested in this item to prepare together a common investigation and further publishing "Ecological problems of closed basins". Vice-Chairman will prepare draft of this investigation.

**Item 7 : Development of appropriate advanced irrigation and drainage technologies**

The Chairman Prof. Kovalenko did not get any data in this direction from NCIDs. Dr. Sh. Mukhamedjanov proposed to apply to IWMI and ICARDA that are working intensively on the improvement of advanced irrigated and drainage technologies for preparation of review and following Technical papers - one in irrigation, one in drainage for future publication.

**Item 9 : Publicizing outcome of ICID workbodies**

Dr. Mukhamedjanov on behalf of Vice-Chairman Prof. Dukhovny reported about a set of publications prepared by SIC ICWC for dissemination:

- V. Dukhovny and J. de Schutter "Water in Central Asia: past, present and future", Taylor and Francis, 2011, 480 pages, Balkena press 9 (on English);
- Training materials for lectures on capacity building courses for water and irrigation specialists on the following Themes: "IWRM", "Improvement of irrigated agriculture in arid and semi-arid zones", "Interstate collaboration" and "International Water Law" under the joint SIC ICWC and UNESCO-IHE project "Capacity Building for Integrated Water Resources Planning and Management for Central Asia" (in Russian and English),
- "Innovative partnership - on the way to water productivity improvement".

The Chairman asks members to assess ability to use these materials in their activity and simultaneously to introduce other publications prepared in their states in sphere of WG interest.

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Supplementary Agenda Notes for the Eighteenth Meeting of the  
**EUROPEAN REGIONAL WORKING GROUP (ERWG)**  
**25 June 2012: 11:00-12:30 hours (Session-I) and 13:30-15:00 hours (Session-II) at Adelaide,**  
**Australia**  
**Presented by the Chairman**

**Item 1 : Review of the membership of the Working Group**

VPH Prof. dr. Brane Maticic (Slovenia) has informed that he will not be attending the Adelaide meetings.

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SUPPLEMENTARY AGENDA NOTES FOR THE THIRTY-SECOND MEETING OF THE  
**PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)**

Adelaide, Australia

27 June 2012: 08.30-12.30 hours (Session-I)

27 June 2012: 13.30-17.30 hours (Session-II)

**Item 1 : Membership of the PCTA and Workbodies**

Attendance chart of the members at the PCTA meetings in 2010 and 2011 is placed at **Annex A**.

ITAL-ICID has nominated Prof. Graziano Ghinassi in place of Prof. Daniele de Wrachien who has completed his term in PCTA as its member. Prof. Ghinassi's CV, if received, will be placed at the meeting for PCTA's consideration.

JNC-ICID has nominated Dr. Masayoshi Satoh in place of Dr. Yohei Sato who has completed his term in PCTA as its member. Dr. Satoh's CV, if received, will be placed at the meeting for its consideration.

**Item 5 : ICID Congresses / Conferences**

***Appointment of General Reporters / Panel Experts***

Nominations [*with Curriculum Vitae* (CVs)] from National Committees of ICID were invited by the Central Office.

Till date the following nominations have been received as General Reporter and Panel Experts for the topics and sub-topics of Q.58 and Q.59 for the Korea Congress (2014):

<b>Congress Questions</b>	<b>General Reporter / Panel Experts</b>	<b>Nominees</b>	<b>Country</b>
Q. 58	General Report	Dr. Tsugihiko Watanabe	Japan
Q.58.1	Panel Expert	Dr. Takao Masumoto	Japan
Q.59.1	Panel Expert	Dr. Koji Inosakao	Japan

The CVs of the above nominees, if received, will be placed in the Dropbox.

The detailed scope of the Questions, Special Session and Symposium of the 22<sup>nd</sup> Congress are available in Annex 3 of the Agenda of C-CONGR at page A-58 and are attached for ready reference.

PCTA may consider nominating General Reporters and Panel Experts for two basic Congress Questions i.e. Q.58 and Q.59, Special Session and Symposium. Since only a few nominations as above have been received, the PCTA may further deliberate on filling the slots where nominations have not been received as shown in **Annex C**.

#### Item 6 : ICID's Cooperation with International Organizations

A gist of additional activities carried out jointly with IOs is placed at **Annex B**.

*Annex A (PCTA Agenda Item 1)*

### PERMANENT COMMITTEE FOR TECHNICAL ACTIVITIES (PCTA)

**27 June 2012: 08.30-12.30 hours (Session-I)**

**27 June 2012: 13.30-17.30 hours Session-II)**

**Adelaide, Australia**

#### Attendance of Members at 2010 and 2011 Meetings

Sl. No.	Members	Member from	2010		2011	
			Self	Contributed by mail	Self	Contributed by mail
1.	VPH Mr. Felix B. Reinders, Chairman (South Africa)	2010	•		•	
2.	Mr. Bruno Molle, Vice Chairman (France)	2006				
3.	VPH Mr. Larry D. Stephens, Secretary (USA)	2003	•		•	
4.	VPH Dr. Hussein Ehsan El-Atfy (Egypt)	2005			•	
5.	Prof. Daniele De Wrachien (Italy)	2005		•		
6.	Dr. Yohei Sato (Japan)	2005	•		•	
7.	Dr. Nikolay G. Kovalev (Russia)	2007		•		•
8.	Mr. Hasan B. Yüksel (Turkey)	2007	•			•
9.	VP Mr. A.K. Bajaj (India)	2008		•		•
10.	VP Engr. Husnain Ahmed (Pakistan)	2009	•		•	
11.	VPH Dr. Mark Svendsen (USA)	2010	•			
12.	Er. M. Gopalakrishnan, SG, ICID		•		•	
1.	World Bank representative					
2.	FAO representative					
3.	IWMI representative					
4.	ISO representative					
5.	WWC representative					
6.	CPWF representative		•			
7.	AgWA representative					
8.	IPTRID representative					
1.	Co-Theme Leader 'Knowledge' (Vacant)					
2.	Co-Theme Leader 'Systems' VP Gerhard R. Backeberg (South Africa)					
3.	Co- Theme Leader 'Basin'					

Sl. No.	Members	Member from	2010		2011	
			Self	Contributed by mail	Self	Contributed by mail
	VP Chaiwat Prechawit (Thailand)					
4.	Co- Theme Leaders 'On-Farm' VP Ragab Ragab (UK) and VP Kim, Tai-Cheol (Korea)		• <sup>1</sup>			
5.	Chair, C-PR&P VPH Mr. Larry D. Stephens (USA)		•		•	
6.	Chair, EB-JOUR PH Prof. Dr. Bart Schultz (The Netherlands)		•		•	
7.	Chair, WG-HIST Dr. Kamran Emami (Iran)		•		•	
8.	Chairperson, WG-TRUE Prof. (Mrs.) L. Vincent (The Netherlands)		•			•
9.	Chair, WG-MIS Dr. Ir. Maurits Ertzen (The Netherlands)					
10.	Chair, WG-WATS VPH Dr. M.H. Amer (Egypt)				•	
11.	Chair, WG-DRG VP Dr. Ing. Willem F. Vlotman (Australia)		•		•	
12.	Chair, WG-POVERTY PH Mr. Peter S. Lee (UK)		•		•	
13.	Chair, TF-FIN Dr. G.R. Backeberg (South Africa)		•		•	
14.	Chair, WG-DROUGHT VPH Franklin E. Dimick (USA)		•			
15.	Chair, WG-SDTA Dr. Park, Sang Hyun (Korea)		•		•	
16.	Chair, WG-ENV Dr. Hu Heping (China)		•			•
17.	Chair, WG-CAFM Dr. Kamran Emami (Iran)		•		•	
18.	Chair, WG-CLIMATE VPH Dr. Mark Svendsen (USA)		•			•
19.	Chair, WG-CROP VP Dr. Ragab Ragab (UK)		•		•	
20.	Chair, WG-PQW VP Dr. Ragab Ragab (UK)		•		•	
21.	Chair, WG-ON-FARM VPH Mr. Felix B. Reinders (South Africa)		•		•	
22.	Chair, TF-WWF-6 PH Prof. dr. Bart Schultz (The Netherlands)		•		•	
23.	Chair, TF-BIO-ENERGY Mr. Laurie C. Tollefson (Canada)		•			
24.	Chair, TF-SEDIMENTATION Mr. Hazrat Umar (Pakistan)			•		

**Annex B (PCTA Agenda Item 6)**

**Item 6: ICID's Cooperation with International Organizations**

• **UN-Water**

ICID, FAO, UNW-DPC, UNU-INWEH, IWMI and UNEP have joined forces, under the aegis of UN-Water, to promote the safe use of wastewater in agriculture in developing countries and countries in transition. As a result, a Capacity Development Project on Safe Wastewater Use in Agriculture has been launched.

<sup>1</sup> VPH Dr. S. Nairizi was the Theme Leader and he was present.

The 2nd Regional Workshop for Asia on “Safe Use of Wastewater in Agriculture” under this Project was organized in New Delhi from 16-18 May 2012, with the local partners being Delhi Jal Board and Water Technology Centre of Indian Agricultural Research Institute. The objective of the workshop was to minimize environmental and health risks in urban and peri-urban areas by properly managing wastewater, the greatest source of water for Agriculture Irrigation, and fertilizer for crop production.

The workshop was attended by 19 participants from 10 countries belonging to ICID membership network in South and West Asia and 9 Faculty from UNU-INWEH, FAO, UNEP, WHO, IWMI, ICID and UNW-DPC, besides 12 participants representing various Research Institutes, NGOs, Press, etc.

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

President Gao Zhanyi, representing ICID, attended the FAO’s Regional Inception Workshop on “Revitalizing Irrigation and Agricultural Water Governance in Asia” which was held in Bangkok, Thailand from 4-5 April 2012. More than 50 delegates from FAO, GWP, ICID, IRRI, ESCAP, IUCN, ADB, WORLD BANK, AusAid, China, India, Indonesia, Malaysia, Pakistan, Uzbekistan Thailand and Vietnam attended the workshop.

Prof Gao Zhanyi made a presentation on “Regional Strategies and Priorities for Irrigation and Agricultural Water Governance.” He also made concluding remarks at the closing ceremony. The workshop highlighted that it was vital to revitalize irrigation and agricultural water governance in Asia. Leadership, innovation and significance; networking country initiatives, and linking regional components and country/basin initiatives were discussed in details for revitalizing irrigation in Asia. Strategies for promotion and for resource mobilization, roadmap and future steps were also discussed.

- **Asian Development Bank**

The first Asian Irrigation Forum (AIF) was organized by Asian Development Bank (ADB) from 11-13 April 2012 in Manila, Philippines. The objective of the AIF was to address the challenge of irrigated agriculture against a backdrop of growing demand for limited water resources for agriculture, industry and human consumption. The Forum assessed constraints and opportunities for improved irrigation methods, review best practices and explore opportunities for partnerships to ensure equity, increased efficiency and full transparency in water use for irrigation on national, sub-regional and regional basis.

Prof. Gao Zhanyi attended the AIF on behalf of ICID, and made a presentation on “How Irrigation is responding to the Challenges of Volatility, Vulnerability and Changes in Agriculture?” He also made the concluding remarks in the closing session of the AIF. In his speech, Prof. Gao Zhanyi highlighted the challenges and changes being faced by irrigated agriculture production and the necessity to revitalize irrigation and drainage in Asia to achieve food security and poverty alleviation.

### **Annex 3 of the Agenda of C-CONGR**

#### **TOPICS AND SUB-TOPICS FOR THE 22<sup>ND</sup> ICID CONGRESS, QUESTIONS AND SPECIAL SESSION 14-20 September, 2014 Gwangju Metropolitan City, South Korea**

The Topics and Sub-Topics for the 22<sup>nd</sup> ICID Congress, as proposed by the Work Team (WT) based on its deliberations and approved by International Executive Council (IEC) are as under:

#### **Theme: Securing Water for Food and Rural Community under Climate Change**

#### **Question 58: How Irrigation and Drainage play an important role in Climate Change Adaptation?**

58.1: Understanding Impacts of Climate Change on Land and Water Use

58.2: Revisiting Design and Operation Criteria for Irrigation and Drainage Facilities

58.3: Managing Frequent Floods and Droughts

**Question 59: How do Irrigation and Drainage Interventions secure food production and livelihood for rural community?**

59.1 Securing Water and Livelihood of Rural Community

59.2 Improving Irrigation Efficiency

59.3 Water Sharing and Water Transfer in Water Stressed Areas

**Special session: New Partnership for Rural Development**

**Symposium: Non-point Sources Pollution (NPS) and Best Management Practices (BMPs)**

**Congress Theme: Securing Water for Food and Rural Community under Climate Change**

Climate change is an added stressor on the increasingly complex and interlinked issues of rural development, food security under demographic changes, overstretched environmental and natural resources. It is believed that improving irrigation and drainage systems and rural development as well as increasing food production will play a key role in achieving the rural water and food security, especially in the developing countries. Considering the impending climate change, intervention to mitigate the impacts of climate change and consequent extreme climate events, such as floods and drought, have to be factored in all decision making processes in the irrigation and drainage activities. Accordingly, following questions are proposed to be addressed during the 22<sup>nd</sup> ICID Congress.

**CONGRESS QUESTIONS**

**Question 58: How Irrigation and Drainage play an important role in Climate Change Adaptation?**

**58.1: Understanding Impacts of Climate Change on Land and Water Use**

Future emission scenarios, downscaling methods, soil-crop-climate model, impact of rising sea levels on coastal agricultural system, methodologies for modeling climate change impacts on land use, land use changes in agricultural landscapes, impacts of bio-energy crop on rural land use, changes in crop production and irrigation patterns, factors in land use change, innovative and adaptative technology for irrigation and drainage, new and renewable energy for irrigation and drainage systems, and smart water grids.

## **58.2: Revisiting Design and Operation Criteria for Irrigation and Drainage Facilities**

New design criteria under non-stationarity in hydrologic time series due to changing climate, new project evaluation techniques, case for large storages to meet increasing climate variability, changes in irrigation water demand for crops, operation of reservoir and diversion weirs using agro-climate information, sustainable groundwater usage, development and protection of sea dike, safety of coastal areas under rising sea levels.

## **58.3: Managing Frequent Floods and Droughts**

Integrated flood management, flood risk assessment, flood forecasting, floods and drought risk and vulnerability assessment, drought index and evaluation, drought early warning, drought prevention through irrigation.

## **Question 59: How do Irrigation and Drainage Interventions secure food production and livelihood for rural community?**

### **59.1 Securing Water and Livelihood of Rural Community**

Food and irrigation water security, improvement of livelihood of rural community with irrigation, assessment of irrigation and drainage system impacts on rural community, multiple roles for irrigation water, use of poor quality water, financing of irrigation and drainage projects, institutions for operation and maintenance of irrigation and drainage systems and role of rural community, participatory irrigation management (PIM) and capacity building, changes in farm and natural ecology due to irrigation and drainage.

### **59.2 Improving Irrigation Efficiency**

Water harvesting and conservation, artificial recharge of ground water, water saving techniques, automated and rotational irrigation scheduling systems, measurement of water delivery and application, rehabilitation and modernization of irrigation and drainage facilities, new technologies to improve irrigation efficiency, current trends and new technologies in micro-irrigation, agricultural productivity and micro-irrigation, micro-irrigation system design, efficiency of integrated irrigation and drainage management systems, conjunctive use of surface and ground water, water productivity and efficiency in greenhouse farming.

### **59.3 Water Sharing and Water Transfer in Water Stressed Areas**

Inter-basin cooperation for productive use of limited water resources, system of water use rights, water conflict resolution, effective use of series of cascade dams, integrated network and conjunctive use among water utilities, water transfer within the domestic watersheds and in the international rivers and conflict resolution.

## **Special session: New Partnership for Rural Development**

Prospective sub-topics for the special session may include the following:

- Evaluation of the international cooperation for rural development in the 20<sup>th</sup> century
- New trends in international cooperation for rural development in the 21<sup>st</sup> century
- Implementation strategy for the activation of rural development project in Overseas Development Assistance (ODA)
- Role of UN agencies, donor countries and institutions for holistic implementation of ODA
- Projects for rural development.
- Roles and contributions of ICID member countries and other NGOs to the successful advancement of MDG's goal

## **Symposium: Non-point Sources Pollution (NPS) and Best Management Practices (BMPs)**

Prospective sub-topics for the symposium may include the following:

- Water quality assessment and management of water from reservoirs and rural watersheds
- Soil erosion, muddy water and sedimentation
- Effects of irrigation and drainage methods on NPS pollution
- Effects of structural and non-structural BMPs on productivity and water quality
- Incentives for agricultural BMPs and legal policies to promote agricultural BMPs
- Impact of total maximum daily load (TMDL) on water quality in rural watersheds
- Regulation of NPS pollution and issues in compliance
- Role of markets in optimizing NPS pollution reduction
- Minimizing cost of NPS pollution reduction

22<sup>nd</sup> ICID Congress on Irrigation and Drainage Gwangju Metropolitan City, South Korea, 2014

**Nomination of General Reporters (GRs) and Panel Experts (PEs)**

Congress Questions	Topics	*Name of the GRs	Postal addresses of the GRs	Mobile and E-mail IDs
58	How Irrigation and Drainage play an important role in Climate Change Adaptation?	Dr.Tsugihiko WATANABE	457-4,Motoyama, Kamigamo, Kita-Ku,Kyoto, 603-8047, Japan	nabe@chikyu.ac.jp
59	How do Irrigation and Drainage Interventions secure food production and livelihood for rural community?			
Special Session	New Partnership for Rural Development			

*\*Please attach the Curriculum Vitae (C.V.)*

Congress Questions	Topics	*Name of the PEs	Postal addresses of the PEs	Mobile and E-mail IDs
58.1	Understanding Impacts of Climate Change on Land and Water Use	Dr.Takao MASUMOTO	2-1-6,Kannondai, Tsukuba,Ibaraki, 305-8609,Japan	masumoto@affrc.go.jp
58.2	Revisiting Design and Operation Criteria for Irrigation and Drainage Facilities			
58.3	Managing Frequent Floods and Droughts			
59.1	Securing Water and Livelihood of Rural Community			
59.2	Improving Irrigation Efficiency	Dr.Koji INOSAKO	Minami,4-101, Koyama-cho, Tottori,680-8553, Japan	inosako@muses.tottori-u.ac.jp

59.3	<b>Water Sharing and Water Transfer in Water Stressed Areas</b>			
Special Session	<b>New Partnership for Rural Development</b>			
Symposium	<b>Non-point Sources Pollution (NPS) and Best Management Practices (BMPs)</b>			

*\*Please attach the Curriculum Vitae (C.V.)*

SUPPLEMENTARY AGENDA NOTES

Thirtieth Meeting of the  
**WORKING GROUP ON DRAINAGE (WG-DRG)**  
**24 June 2012: 8.30-10.30 hours**  
**Adelaide, Australia**

**Item 1 : To review the membership of the Working Group**

Malaysian National Committee (MANCID) nominated Prof. Dr. Nor Azazi Zakaria in place of PH Ir. Keizrul bin Abdullah for the membership of the group. CV of Dr. Zakaria is yet to be received.

**2.1 Updating database on 'Drained area in the world'**

Updated information about drained area was received from Dr. Gerhard Backeberg (South Africa) and Ms. Helena Äijö (Finland). The updated table of 'Drained area in the world' is given as **Annex**.

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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>Malawi</b>	<b>7.7</b>	<b>Na</b>	<b>Na</b>	<b>2002<sup>1</sup></b>
8.	<b>Morocco</b>	8.98	0.65	7.24	2004 <sup>2</sup>
9.	Rwanda	1.57	0.09	5.73	2000 <sup>2</sup>
10.	<b>South Africa</b>	<b>18.00</b>	<b>0.6</b>	<b>37.5</b>	<b>2011<sup>1</sup></b>
11.	Sudan	20.91	0.56	2.68	2000 <sup>2</sup>
12.	Tunisia	5.04	0.2	3.97	2000 <sup>2</sup>
13.	<b>Zimbabwe</b>	<b>11.00</b>	<b>0.1</b>	<b>55.5</b>	<b>2011<sup>1</sup></b>
	<b>Sub-Total</b>	<b>111.07</b>	<b>5.46</b>	<b>5.17</b>	
<b>AMERICAS</b>					
14.	Argentina	33.0	0.13	0.40	2002 <sup>2</sup>
15.	Bolivia	3.82	0.02	0.52	2000 <sup>2</sup>
16.	<b>Brazil</b>	66.9	1.08	1.61	2006 <sup>1</sup>
17.	<b>Canada</b>	67.5	9.46	14.01	2002 <sup>2</sup>
18.	<b>Chile</b>	0.78	0.035	4.49	2006 <sup>1</sup>
19.	Colombia	3.46	0.23	6.65	1989 <sup>2</sup>
20.	Costa Rica	0.5	0.04	8.00	1999 <sup>2</sup>
21.	Cuba	3.97	0.33	8.31	1997 <sup>2</sup>
22.	Dominican Rep.	1.30	0.03	2.31	2000 <sup>2</sup>
23.	Ecuador	2.50	0.05	2.0	1998 <sup>2</sup>
24.	El Salvador	0.92	0.01	1.09	1997 <sup>2</sup>
25.	<b>Guyana</b>	0.45	0.15	33.33	1991 <sup>2</sup>
26.	Honduras	1.43	0.06	4.20	1991 <sup>2</sup>
27.	<b>Mexico</b>	27.50	5.2	18.91	1997 <sup>2</sup>
28.	Paraguay	4.3	0.01	0.23	2000 <sup>2</sup>
29.	Peru	4.44	0.08	1.80	2000 <sup>2</sup>
30.	Puerto Rico	0.1	0.02	20.00	2000 <sup>2</sup>
31.	Surinam	0.06	0.05	83.33	1998 <sup>2</sup>
32.	<b>USA</b>	173.2	47.5	27.42	1987 <sup>2</sup>

33.	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>	
<b>Sl. No.</b>	<b>Country</b>	<b>Arable land and permanent crops (million ha)</b>	<b>Total drained area (million ha)</b>	<b>% drained area</b>	<b>Reference year</b>
	<b>ASIA</b>				
34.	<b>Afghanistan</b>	7.91	0.01	0.13	2000 <sup>2</sup>
35.	<b>Australia</b>	44.37	2.17	4.89	2002 <sup>2</sup>
36.	Azerbaijan	2.09	0.6	28.71	1995 <sup>2</sup>
37.	<b>Bangladesh</b>	8.70	1.5	17.24	1993 <sup>2</sup>
38.	<b>China</b>	130.03	21.14	16.26	2008 <sup>1</sup>
39.	<b>Chinese Taipei</b>	0.83	0.12	14.46	2009 <sup>1</sup>
40.	<b>Fiji Island</b>	0.25	0.01	4.00	2000 <sup>2</sup>
41.	Georgia	0.58	0.16	27.59	1996 <sup>2</sup>
42.	<b>India</b>	169.32	5.8	3.43	1991 <sup>2</sup>
43.	<b>Indonesia</b>	37.10	3.35	9.03	1990 <sup>2</sup>
44.	<b>Iran</b>	18.55	0.19	1.02	2009 <sup>1</sup>
45.	<b>Iraq</b>	5.45	1.54	28.26	2002 <sup>2</sup>
46.	<b>Israel</b>	0.38	0.1	26.32	1987 <sup>2</sup>
47.	<b>Japan</b>	4.59	3.52	76.69	2010 <sup>1</sup>
48.	<b>Jordan</b>	0.15	0.01	6.67	2008 <sup>3</sup>
49.	<b>Kazakhstan</b>	22.8	0.43	1.89	1993 <sup>2</sup>
50.	<b>Korea Rep.</b>	1.82	1.15	63.19	2007 <sup>1</sup>
51.	<b>Kyrgyzstan</b>	1.35	0.15	11.11	1990 <sup>2</sup>
52.	Lebanon	0.29	0.01	3.45	2001 <sup>2</sup>
53.	<b>Malaysia</b>	9.5	6.0	63.16	2009 <sup>1</sup>
54.	Mongolia	0.85	1.5	176.47	2000 <sup>2</sup>
55.	<b>Myanmar</b>	11.70	0.19	1.62	1994 <sup>2</sup>
56.	<b>Nepal</b>	2.47	0.09	3.64	2000 <sup>2</sup>
57.	<b>Pakistan</b>	23.80	7.54	31.70	2009 <sup>1</sup>
58.	<b>Philippines</b>	9.16	2.72	29.69	2008 <sup>1</sup>
59.	<b>Saudi Arabia</b>	3.68	0.04	1.09	1992 <sup>2</sup>
60.	<b>Sri Lanka</b>	2.20	0.03	1.36	1967 <sup>2</sup>
61.	<b>Syria</b>	5.68	0.27	4.75	1993 <sup>2</sup>
62.	Tajikistan	0.87	0.33	37.93	1994 <sup>2</sup>
63.	<b>Thailand</b>	18.85	0.16	0.85	1997 <sup>2</sup>
64.	<b>Turkey</b>	26.01	3.04	11.69	2009 <sup>1</sup>
65.	Turkmenistan	1.92	1.02	53.13	1995 <sup>2</sup>
66.	<b>Uzbekistan</b>	4.62	2.84	61.47	1994 <sup>2</sup>
67.	Viet Nam	9.42	1.0	10.62	1994 <sup>2</sup>
68.	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>					
69.	Albania	0.7	0.28	40.00	1999 <sup>2</sup>
70.	<b>Austria</b>	1.44	0.2	13.89	1997 <sup>2</sup>
71.	Belarus	5.64	3.0	53.19	1993 <sup>2</sup>
72.	Belgium	0.87	0.07	8.05	1996 <sup>2</sup>
73.	Bulgaria	3.25	0.08	2.46	2000 <sup>2</sup>
74.	<b>Croatia</b>	0.95	0.76	80.00	1990 <sup>2</sup>
75.	<b>Cyprus</b>	0.11	0.02	18.18	2000 <sup>2</sup>
76.	<b>Czech Rep.</b>	3.26	1.07	32.82	2011 <sup>1</sup>
77.	<b>Denmark</b>	<b>2.35</b>	<b>1.77</b>	<b>50.00</b>	<b>2012<sup>1</sup></b>
78.	<b>Estonia</b>	1.32	1.32	100.00	2010 <sup>1</sup>
79.	<b>Finland</b>	<b>2.26</b>	<b>1.36</b>	<b>60.00</b>	<b>2012<sup>1</sup></b>
80.	<b>France</b>	19.33	3.00	15.52	2011 <sup>1</sup>
81.	<b>Germany</b>	12.13	4.9	40.40	1993 <sup>2</sup>
82.	<b>Greece</b>	3.23	0.52	16.10	2002 <sup>2</sup>
83.	<b>Hungary</b>	4.8	2.3	47.92	2003 <sup>1</sup>
84.	<b>Ireland<sup>4</sup></b>	1.06	0.254	23.96	2010 <sup>1</sup>
85.	<b>Italy</b>	13.2	5.3	40.15	2005 <sup>1</sup>
86.	Latvia	1.18	1.58	133.90	1995 <sup>2</sup>
87.	<b>Lithuania<sup>5</sup></b>	2.68	2.58	96.27	2011 <sup>1</sup>
88.	<b>Netherlands<sup>6</sup></b>	1.09	3.0	275.23	2010 <sup>1</sup>
89.	<b>Norwegian</b>	<b>1.02</b>	<b>0.61</b>	<b>60</b>	<b>2012<sup>1</sup></b>
90.	Poland	12.97	4.21	32.46	1999 <sup>2</sup>
91.	<b>Portugal</b>	1.64	0.04	2.44	2002 <sup>2</sup>
92.	<b>Romania</b>	9.85	1.83	18.58	2008 <sup>1</sup>
93.	<b>Russia</b>	192.6	4.78	2.48	2007 <sup>1</sup>
94.	Serbia & Montenegro	3.72	0.4	10.75	2000 <sup>2</sup>
95.	Slovak Republic	1.41	0.6	42.55	1997 <sup>2</sup>
96.	<b>Slovenia</b>	0.2	0.08	40.00	2007 <sup>1</sup>
97.	<b>Spain</b>	26.30	0.3	1.14	1994 <sup>2</sup>
98.	<b>Sweden</b>	<b>2.63</b>	<b>1.42</b>	<b>54.00</b>	<b>2012<sup>1</sup></b>
99.	<b>Switzerland</b>	0.43	0.16	37.21	2002 <sup>2</sup>
100.	<b>UK</b>	6.05	4.65	76.86	1996 <sup>2</sup>
101.	<b>Ukraine</b>	33.5	2.8	8.36	2009 <sup>1</sup>
	<b>Sub-Total</b>	<b>373.17</b>	<b>55.244</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	111.07	5.46	5.17
2	Americas	399.48	64.80	16.22
3	Asia	588.90	70.23	11.93
4	Europe	373.17	55.244	14.81
	<b>Total (98 countries)</b>	1472.62	195.729	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.) Haksteg, Secretary/ Treasurer, Netherlands National Committee (NETHCID), 2 July 2010.

SUPPLEMENTARY AGENDA NOTES

**Fourth Meeting of the  
WORKING GROUP ON ENVIRONMENT (WG-ENV)  
24 June 2012; 08.30-10.30 hours  
Adelaide, Australia**

**Item 1 : Membership of the Working Group**

Recently, the Malaysian National Committee (MANCID) nominated Dato' Hj Mohd Azmi Ismail for the membership of the group.

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SUPPLEMENTARY AGENDA NOTES

Twenty First Meeting of the  
**COMMITTEE ON PUBLIC RELATIONS AND PUBLICATIONS (C-PR&P)**  
**24 June 2012; Time: 08.30-10.30 hours**  
**Adelaide, Australia**

**2.2 Publications under processing**

VPH Dr. S. Nairizi (Iran) has sent the final edited version of the WG-IADWS Guideline titled "Irrigation under Drought and Water Scarcity" to the ICID Central Office and the same has been circulated among the authors with a request to review the chapter concerned and send back the comments/ suggestions ASAP to Central Office. Dr. Nairizi has arranged for a sponsor for publishing the above book. The committee may like to recommend it for publication.

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Supplementary Agenda Notes for Second Meeting of the  
**WORKING GROUP ON SUSTAINABLE DEVELOPMENT OF TIDAL AREAS (WG-SDTA)**  
24 June 2012 : 11:00-12:30 hours (Session - I) and 13:30-15:00 hours (Session - II)  
Adelaide, Australia  
*Strategy Theme: Basin*  
Presented by the Chairman

**Item 1 : Review of the membership**

Prof. Zhanyu Zhang (China) has been nominated for the membership of the WG. The CNCID, however, has informed that Dr. Kunlun Ding will be representing him during the WG meeting.

The Malaysian National Committee of ICID (MANCID) has nominated Ir. Hj. Nor Hisham bin Mohd Ghazali (Malaysia) in place of Mr. Teoh Weng Chaw. CV of Ir. Ghazali will be made available during the meeting.

The Japanese National Committee on Irrigation and Drainage (JNC-ICID) has informed that Dr. Kazuaki Hiramatsu (Japan), Secretary of WG-SDTA will not be attending the Adelaide meetings. Mr. Akira Nakazawa, member of Permanent Finance Committee of ICID (PFC) will be representing Dr. Hiramatsu during the meeting of WG.

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SUPPLEMENTARY AGENDA NOTES

Fifteenth Meeting of the  
**WORKING GROUP ON HISTORY OF IRRIGATION, DRAINAGE AND  
FLOOD CONTROL (WG-HIST)**  
**24 June 2012: 15.30-17.30 hours**  
**Adelaide, Australia**

Due to financial constraints, Secretary Dr. Bert Toussaint will not be able to attend the Adelaide meetings. As requested by Dr. Bert Toussaint, Prof. Dr.Ing. Klaus Röttcher (Germany) has kindly agreed to act as Secretary for the Adelaide meeting and prepare the draft minutes of the meeting in cooperation with the Chair Dr. Kamran Emami.

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Supplementary Agenda Notes for the Fifth Meeting of the  
**WORKING GROUP ON WATER MANAGEMENT IN WATER STRESSED REGIONS (WG-DROUGHT)**  
24 June 2012; 15:30:17:30 hours at Adelaide, Australia

***Strategy Theme: Basin***

**Presented by the Chairman**

**Item 2 : “Irrigation under Drought and Water Scarcity”- publication of erstwhile WG-IADWS**

VPH Dr. S. Nairizi has informed (02 June 2012) Central Office that the publication of erstwhile WG-IADWS titled “*Irrigation under Drought and Water Scarcity*” has been finally edited. The final draft has been once again circulated among the membership/contributors for comments or suggestions, if any. The book is now before you for consideration and approval. To save time, the book is also placed before C-PR&P for consideration and approval.

Dr. Nairizi informed that he has managed to find a sponsor for publishing this book. Upon approval, the Central Office will take it up for publishing it later in 2012.

Dr. Nairizi may apprise the WG.

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Supplementary Agenda Notes for the Nineteenth Meeting of the  
**WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)**  
24 June 2012: 15:30-17:30 hours at Adelaide, Australia

*Strategy Theme: Systems*

**Presented by the Chairman**

**Item 1 : Review of the membership**

Dr. Xie Chongbao (China) has been nominated for the membership of the WG. However, the Chinese National Committee on Irrigation and Drainage (CNCID) has informed that Ms. Gao Hong will be representing Dr. Chongbao during the WG meeting.

The South African National Committee on Irrigation and Drainage (SANCID) has nominated Dr. Nico Benade (South Africa) in place of Mr. Neil Louis Lecler for the membership of WG-WATS. CV of Dr. Benade will be made available during the meeting.

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Supplementary Agenda Notes for the Twenty-Seventh Meeting of the  
**WORKING GROUP ON COMPREHENSIVE APPROACHES TO FLOOD MANAGEMENT (WG-CAFM)**  
25 June 2012; 08:30-10:30 hours at Adelaide, Australia

***Strategy Theme: Basin***  
**Presented by the Chairman**

The South African National Committee on Irrigation and Drainage (SANCID) has nominated Dr. Herman J. Booyesen (South Africa) in place of Prof. M.F. Viljoen for the membership of WG-CAFM. CV of Dr. Booyesen will be made available during the meeting.

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Supplementary Agenda Notes for the Fifth meeting of the  
**WORKING GROUP ON WATER AND CROPS (WG-CROP)**  
25 June 2012; 8:30-10:30 hours at Adelaide, Australia

*Strategy Theme: On-Farm*

**Presented by the Chairman**

**Item 1 : Review of the membership of the Working Group**

VPH Prof. dr. Brane Maticic (Slovenia) has informed that he will not be attending the Adelaide meetings. Prof. Maticic, however, expressed his willingness to continue to be a member of the WG and contribute to the WG by e-mail.

The Japanese National Committee on Irrigation and Drainage (JNC-ICID) has informed that Dr. Koji Inosako (Japan), Member of WG-CROP will not be attending the Adelaide meetings. Dr. Takanori Nagano, members of WG-PQW and WG-DROUGHT will be representing Dr. Koji Inosako during the meeting of WG.

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Supplementary Agenda Notes for the Nineteenth Meeting of the  
**ICID JOURNAL EDITORIAL BOARD (EB-JOUR)**  
25 June 2012; 11:00-12:30 hours & 13:30-15:00 hours at Adelaide, Australia

*Strategy Theme: Knowledge*

Presented by the Chairman

**Item 1 : Review of the membership of the Editorial Board**

The Japanese National Committee on Irrigation and Drainage (JNC-ICID) has informed that Dr. Takao Masumoto (Japan), Member of the EB-JOUR will not be able to attend the EB meeting as he will be making his presentation in the workshop on "Adaptive Flood Management" at the same time. Dr. Yohei Sato (Japan), however, will represent Dr. Masumoto in the meeting of EB-JOUR.

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SUPPLEMENTARY AGENDA NOTES

Seventeenth Meeting of the  
**WORKING GROUP ON USE OF POOR QUALITY WATER FOR IRRIGATION (WG-PQW)**  
**25 June 2012: 15.30-17.30 hours**  
**Adelaide, Australia**

Chair Dr. Samia El-Guindy (Egypt) informed the Central Office that she will not be able to attend the Adelaide meeting. In response, Central Office has requested Dr. Samia El-Guindy to approach Dr. Ragab or Dr. Tedeschi to act as Chair for the Adelaide meeting.

**Item 1 : Review of the membership of the Working Group**

Malaysian National Committee (MANCID) nominated Dato' Hj Mohd Azmi Ismail for the membership of the group.

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**THIRD MEETING OF THE TASK FORCE ON SEDIMENTATION OF RESERVOIRS  
(TF-SEDIMENTATION)  
Adelaide, Australia  
26 June 2012: 11:00-12:30 hours**

**Item 1 : Review of membership of the Task Force**

The Turkish National Committee on Irrigation and Drainage (TUCID) has nominated Doç. Dr. Mehmet Ali KÖKPINAR for this Task Force. His CV will be tabled at the meeting for consideration.

Dr. Pao-Shan Yu vide e-mail dated 1 February 2012 has informed that he will not be able to join the TF-Sedimentation meeting at Adelaide because his presence is required at the University for an important meeting.

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Supplementary Agenda Notes for the First Meeting of the  
**TASK FORCE ON VALUE ENGINEERING (TF-VE)**  
26 June 2012; 11:00-12:30 & 13:30-15:00 hours at Adelaide, Australia

*Strategy Theme: Systems*

Presented by the Chairman

**Item 1 : Background and concept of Value Engineering**

Dr. Kamran Emami, Convener of the Task Force on Value Engineering (TF-VE) has provided a document by *ICOLD Bulletin on "Cost saving in Dams"* which has been circulated among the National Committees of ICID for their consideration and perhaps nominating new members on the TF.

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**THIRD MEETING OF THE TASK FORCE ON WATER FOR BIO-ENERGY AND FOOD  
(TF-BIO-ENERGY)  
Adelaide, Australia  
26 June 2012: 13:30-15:00 hours**

**Item 1 : Review of membership of the Task Force**

The Chinese National Committee on Irrigation and Drainage (CNCID) has nominated Dr. Tian Fuqiang for this Task Force. His CV will be tabled at the meeting for consideration.

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