

Agenda for the Seventeenth Meeting of the
WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)
 Yogyakarta, Indonesia
 13 October 2010: 09:00-12:30 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 : (1) VPH Eng. Hussein El-Atfy, Chairman (Egypt, 2000); (2) VPH Dr. J.M.M. Mendiluce (Spain, 1996); (3) Dr. Shiang-Kueen, Hsu (Chinese Taipei, 1997); (4) Mr. Neil Louis Lacler (South Africa, 2003); (5) Prof. Atef Hamdy (Italy, 2004); (6) Mr. Kim Russell (Australia, 2005); (7) Mr. Mehrzad Ehsani (Iran, 2006); (8) VPH Dr. Mark Svendsen (USA, 2007); (9) Dr. Yuanhua Li (China, 2007); (10) Mr. R.K. Gupta (India, 2009); (11) Dr. Muhammad Arshad (Pakistan, 2009); and (12) Secretary General, ICID.

Permanent Observer: VPH Alain Vidal, Director, CPWF-CGIAR

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

A. CONTINUING ITEMS

Item 1 : Confirmation of the minutes of the 16th meeting of the Working Group

The minutes of the 16th meeting of the Working Group held at New Delhi (2009), India will be confirmed.

Item 2 : Review of the membership

At Lahore (2008) and New Delhi (2009) meetings, nomination of Mr. Shakibaev Ilan Isataevich by Kazakhstan National Committee (KAZCID) was deferred as he was neither present nor represented by KAZCID member at the meeting. The Central Office is in contact (01 January 2009 and 26 July 2010) with KAZCID to confirm the above nomination or send a fresh nomination. Response is awaited.

Attendance of members at the meetings held in 2008 and 2009 will be circulated at the meeting. It may be noted that representation of a member of the working group by any other representative of the concerned national committee is not deemed to be a contribution by a member. Refer to Annex 1 of PCSPOA Agenda (page A-10) and ICID by-law 3.1.7 which stipulates that members not contributing to the activities by attendance or correspondence for two consecutive years shall be replaced in consultation with their National Committees.

VPH Dr. J.M.M. Mendiluce (Spain) and Prof. Atef Hamdy (Italy) have not been contributing to the activities of the WG for past two or more years. In view of above, the Central Office requested (06 August 2010) 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 (CEYRD) has nominated (12 August 2010) Dr. Juan Antonio Rodriguez-Diaz (Spain) in place of VPH Dr. J.M.M. Mendiluce for the membership of WG-WATS. CV of Dr. Rodriguez-Diaz is still awaited.

The response from ITAL-ICID is still awaited.

Item 3 : WatSave Awards

3.1 WatSave Awards - 2010

The Central Office has invited nominations from all national committees/ committee for the '*WatSave awards 2010*' in January 2010. The announcement was published in ICID News Updates, ICID News (*formerly known as ICID Newsletter*), posted on ICID website and was circulated among various water related International Organizations for wider dissemination. The last date of receipt of nominations from the national committees to the Central Office was kept as 31 August 2010.

For the WatSave Awards 2010, in all 6 nominations from 5 National Committees were received. The nominations received are evaluated by an international '*Panel of Judges*' appointed by the President, ICID. The awards will be declared and presented at the 61st IEC meeting scheduled to be held on 15 October 2010.

Further updates about the awards will be available during IEC meeting.

3.2 Sponsorship

This year the Indonesian National Committee on Irrigation and Drainage (INACID) and the Chinese National Committee (CNCID) have jointly bagged the honour of sponsoring the WatSave awards 2010 by providing US \$ 3000 by each NC. The WG members may wish to record their gratitude to INACID and CNCID for their kind gesture.

At times the present arrangement of sponsoring the awards by ICID National Committees does not yield success.

In such situation, options for sponsoring the Watsave Awards could be:

- (i) seek commercial sponsorship of the 'Technology award', allowing branding of the award if the sponsor wishes, and
- (ii) place a Watsave contribution option on the Congress/ Conference registration form for host NC to consider.

The WG may further deliberate. Appropriate recommendations about future sponsorship, if made, can be taken up by PCTA/IEC.

3.3 Review of Criteria and Evaluation Process for WatSave Awards

The revised (2010) versions of the 'Nomination Form', 'Conditions and Criteria', 'Check list', and 'Evaluation Proforma' were used to invite WatSave nominations from National Committees. The revised proforma are accessible at ICID website <www.icid.org/awards.html>.

During the New Delhi (2009) meeting President Hon. Peter S. Lee (UK) made a presentation to the WG describing the review of criteria and evaluation process for WatSave Awards. The following points emerged and were recommended by the WG after due discussion –

- Phrasing of the award be "an award for (the achievement) to (the individual or team behind the achievement) in that order. The titles of the achievements should be concise and descriptive and it may be limited to 10 words.
 - The nomination could come on behalf of an individual or a team of named individuals, but not from an organization itself. The wording in the rules be changed to "individual/team of individuals".
 - The evaluation committee can authorise to shift a nomination from the category in which it was submitted to another category, when this is appropriate and beneficial.
 - A farm-level category to be added to the set of WatSave Awards
 - The basic award in each category be set at US \$ 500 only (earlier it was US \$ 2000)
 - The national committees/committee to nominate only one nominee per category per country.
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The details of PH Lee's presentation are attached as **Annex: 1**.

The WatSave Award Committee's opinion during the process of evaluation and MB's decision, if any, would be available in due course. These will be provided during the discussions on the issue by Secretary General / Central Office.

3.4 Guidelines for financing and distribution of award money

Based on the proceedings of the New Delhi (2009) meeting, the '*Guidelines for financing and distribution of award money (honorarium)*' (**Annex: 2**) have been prepared by Central Office and circulated (22 January 2010) amongst the members for comments and/or suggestions. Following responses were received:

- **Dr. Yuanhua Li (China)**, 19 May 2010 : US \$ 2000 is not too much but US \$ 500 is too little. In case of inadequate funds, US \$ 1500 may be considered. Any other expenses from award pool are not a good idea.
- **PH John Hennessy (UK)**, 3 March 2010 : PH Hennessy is the originator of WatSave. He informed that the prizes originally were US \$ 1000 each and then increased to US \$ 2000 each. He was surprised to learn that the prize is now only US \$ 500. He asked – have they really reduced as stated?
- **Dr Mark Svendsen (USA)**, 29 January 2010 : He agreed with the guidelines with following suggestions – (1) Suggest rewording so that YPs and Farmers have priority over other two categories for getting support concessions, (2) State explicitly that the '*unspent award funds*' will be used exclusively for supporting future WatSave Awards only, (3) Could willingness to share costs be a criteria for awarding financial support for travel?
- **Dr. Neil Lecler (South Africa)**, 25 January 2010 : Dr. Lecler opined as (1) WatSave Awards should have remained unchanged, (2) Part funding travel expenses may still not be sufficient to allow many people to attend meetings – thus those without additional funds for travel will only receive US\$500 whereas with the old 'rules' they would have received US\$2000, (3) The cost to attend an overseas meeting is likely to be > US\$2500 per person, (4) Equitable administration of the new rules will be a challenge.

The WG members will be apprised of the views subsequently generated during the WATSAVE evaluation process this year. MB's views might also be available.

Item 4 : Framework for cooperation and interaction among ICID member countries and workbodies

The WG has developed effective linkages with WG-DROUGHT (erstwhile WG-IADWS) and WG-PQW. The WG proposes to share and contribute/involve 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 like publication, workshop etc.

The WG may also like to discuss on the new ideas for developing / strengthening cooperation and interaction among ICID member countries.

The Chairman may like to nominate members to liaise with above mentioned WGs.

Item 5 : Internal Workshop on 'Water saving achievements'

At the New Delhi (2009) meeting, the WG proposed to organize an internal workshop on "*Water saving achievements*" during Yogyakarta (2010) meetings. Mr. Ehsani (Iran) was requested (25 June 2010) to prepare a concept paper for this workshop elaborating concepts on the basis of 'Water productivity' theme for consideration together with a one-page brief / announcement for WG workshop, which can then be used to invite papers from member countries.

In response, Mr. Ehsani indicated (30 June 2010) that some of the WG members believe that 'Water productivity' focuses on 'more crop per drop' or 'more money or drop' or 'more jobs per drop' focus on water productivity and not directly on 'Water savings' which is the main objective of the WG. Water productivity may better dealt with in WG-CROP. For better response to the above internal workshop, he proposes to defer the workshop to Tehran (2011) meetings and seriously work on the work plan at Yogyakarta (2010) meeting.

For information of the members, the WG-CROP is already organizing a workshop on '*Water Saving Practices in Agriculture*' on 13 October 2010 at Yogyakarta, Indonesia and the '*Call for Papers*' has already been circulated (16 July 2010) to WG-WATS members for their contributions.

The Chairman may apprise the WG members.

Item 6 : Website of WG

The benefits of WG website are immense and the Chairman will soon update the WG website. The Chairman may apprise the WG members.

Item 7 : Work plan

The core elements of the work plan are the management of the WatSave award process and organizing workshops like workshop on '*Water saving achievements*' at Yogyakarta as above.

Mr. Ehsani proposed (2009) that preparation of one or more books on "*Water productivity*" could also be included in the WG work plan. He has provided (30 June 2010) an outline (**Annex 3**) of a proposed book on '*Water Productivity in Agriculture*' together with other books and workshop titles (**Annex 4**) for consideration. He emphasized that holding annual WG meetings may not be the main purpose of establishing the WGs. The WGs should produce some useful documents and reports on irrigation and drainage science.

The WG may deliberate and come up with a three year rolling plan together with assigning time bound responsibilities to members.

Item 8 : Any other business

WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)**Summary of Issues****Emerged While Reviewing “Criteria and Evaluation Process for WatSave Awards” (2009)**

The following issues emerged as proposed by PH Peter lee (UK) while reviewing “Criteria and Evaluation Process for WatSave Awards” (2009):

1. There is some confusion over the nature of the three awards as to whether they are primarily awards to people or awards to achievements. The strong recommendation of the Mr. Lee was that the primary emphasis be on the achievement itself. To this end, he recommended that the phrasing of the award be “an award for [*the achievement*] to [*the individual or team behind the achievement*]” in that order. He also recommended that the titles of the achievements be concise and descriptive, and that they be limited to 10 words. These recommendations were discussed by the working group and endorsed.
2. A question arose as to whether an organization could propose an achievement and be considered for an award. The ICID rules governing the awards allow submissions by an “individual/team”. The question raised was whether a nomination, under this language, could come from an organization itself, without specifying individuals. After discussion, the WG concluded that the nomination could come on behalf of an individual or a team of named individuals, but not from an organization itself, as this diffused responsibility for the achievement excessively. Mr. Lee proposed that the wording of the rules be changed from the present to “individual/team of individuals”. This recommendation was endorsed by the WG.
3. There are currently three different awards given – one for technological achievement, one for managerial achievement, and one for young professionals. Mr. Lee observed that at times the committee felt that a nomination in one category actually fit better, and was more competitive, in another. He recommended that the evaluation committee be authorized to shift a nomination from the category in which it was submitted to another category when this was appropriate and beneficial. The WG endorsed this recommendation, with the proviso that the Central Office draft a short paragraph describing each category and include these descriptions in the call for nominations and on the application forms, since these terms are not currently defined explicitly.
4. The submissions this year (2009) included an interesting one that came from a farmer, but which did not fit easily into one of the existing categories. One difficulty with such nominations for achievements by farmers is that they generally do not cover the extensive areas required in the “technology” and “management” categories. The Acting Chairman added into this discussion the issue of the current financial burden on the sponsoring national committee, a burden which would grow with the addition of any new award categories.

Currently a sum of US\$ 2,000 is attached to each of the awards. After considerable discussion, the WG concluded that a farm-level category, where a farmer was responsible for the achievement, should be added to the set of WatSave awards, assuming that the following change in the financing of the awards is made concurrently. The new stipulation would be that the current total value of the awards, US\$6,000, would not be exceeded as a result of adding any new award category, and that the basic award in each category be set at US\$500. Recognizing that the need for the financial part of the award (as opposed to the professional recognition) is greatest for Young Professionals and for Farmers, however, the WG recommends that recipients in each of these two categories additionally receive a grant consisting of (a) remission of conference fees for the session at which the award is made, and (2) a grant for partial coverage of travel and accommodation expenses. The base award amount could be raised if funds to support the increase were available within the award pool. The WG requested that the Central Office develop a more detailed set of procedures for implementing these changes in the financial component of the awards and circulate to the Chairman and members of the WG for comment and approval. This should be done in advance of the issuance of the call for the 2010 WatSave awards.

5. At times, several nominations for awards in a single category have come from the same country in the same year. This can lead to difficulties for the evaluating committee, since members will often not have detailed firsthand knowledge of the situation in a particular country, and thus are not in a position to judge the realism of individual submissions. For this reason it is preferable to have the nominations first screened by the

sponsoring national committee, after which a single nomination in each category would be forwarded to the evaluation panel. Mr. Lee recommended that this change in the rules be made. After discussion, the WG endorsed this suggestion.

6. WatSave rules currently allow nominations for achievements developed in a non-ICID member country to be submitted by a willing member country, with nominations limited to one per country (member or nonmember). The emphasis in this formulation on countries has caused problems in the past when a particular achievement has roots in more than one country. In addition, the example of a situation in southern Africa was given where University-based teams made up of students and researchers from more than one country may be responsible for a candidate achievement. This wording also gives rise to the case where one member country might be advancing nominations from several different countries in a given year. After considerable discussion, the WG reached consensus on a recommendation to the IEC that the WatSave rules be amended to allow for a single submission from each active national committee in each category in a given year. The nomination advanced by the national committee might come from that country, from a neighboring country, or might be comprised of a multi-national team. However, only one nomination per national committee per category would be accepted.
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WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)**WATSAVE AWARDS 2010****Proposed 'Guidelines for financing and distribution of award money (honorarium)'**

At present the WatSave award consist of honorarium of US\$2000 for each award. This amounts to US\$6000 for the three award categories. The US\$6000 is sponsored by the host National Committee organising the International Executive Council (IEC) in that year.

The 16th meeting of Working Group on Water Saving for Agriculture (WG-WATS) was held on 8 December 2009 during the 60th IEC meetings at New Delhi, India. The item 3.3 of the minutes of WG-WATS proposes to draft a set of procedure for implementing the changes in the financial component of the awards as proposed by PH Peter Lee and subsequently recommended by WG-WATS. This was endorsed by PCTA and approved in 60th IEC.

Proposed guidelines

- A new 4th category of award named "*WatSave Farmer Award*" will stand initiated from 2010.
 - The Prize money for each of the four awards will henceforth be US\$500 (amounting to total of US\$2000).
 - The host National Committee of IEC and other events of the year shall apportion a sum of US\$6000 for WATSAVE awards, to be rendered to Central Office.
 - After distributing the award honorarium of US\$2000, the balance amount of US\$4000 will be used if solicited or where required to provide partial coverage of travel and accommodation expenses of award winner(s) from developing/ least developed countries to attend IEC to receive the award.
 - The sequential priority for extending the support concessions will be young professionals and deserving farmers from developing countries.
 - The base award amount could be raised if funds to support the increase were available within the award pool.
 - The unspent award funds of a particular year will be retained by Central Office to help similar cause of funding support for the deserving prize winners, in the subsequent year(s).
 - All decisions for extending support for deserving cases of award winners will be taken by Secretary General in consultation with President and Chair of Panel of Judges.
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WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)

Book: Water Productivity in Agriculture

CONTENTS

CHAPTER 1: Review on Water Resources for Agriculture and Food Products in the World (30 pages)

- 1.1 Reviewing the World Water Resources
 - 1.1.1 Water Crisis Indices
 - 1.1.2 The World Water Crisis and Balance
- 1.2 Agriculture and Irrigation Condition in the World
- 1.3 Irrigation Efficiency in the World
- 1.4 The World Agricultural Crops Production Condition
 - 1.4.1 Comparative study on Certain Agricultural Products
- 1.5 Conclusion

CHAPTER 2: Productivity Concept (5-8 pages)

- 2.1 Preamble / introduction
- 2.2 Productivity Chronology
- 2.3 Terminology of Production, Efficiency and Productivity.
- 2.4 Conclusion

CHAPTER 3: Water Productivity for Agriculture (10-15 pages)

- 3.1 Preamble/introduction
- 3.2 The Importance of Water Productivity for Agriculture
- 3.3 The Calculation Importance of Productivity Indices
- 3.4 Introducing certain indices of Water productivity for Agriculture
- 3.5 Conclusion

CHAPTER 4: Know-how and Application Cases on Agricultural Water Productivity Indices (AWPI) (15-25 pages)

- 4.1 Preamble
 - 4.2 Know-how Cases on AWPI
 - 4.3 Application Cases on AWPI
 - 4.4 Conclusion
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CHAPTER 5. Analyzing Agricultural Water Productivity (AWP) (10–15 pages)

- 5.1 Preamble
- 5.2 Methods to Analyze AWP
 - 5.2.1 Chronological Trend of AWP Changes
 - 5.2.2 Comparing Agricultural Water Productivity Index of a Production Unit with the Other Units.
 - 5.2.3 Prospect of Agricultural Water Productivity

CHAPTER 6. The Basic Role of Management and Planning in Productivity Promotion (30-40 pages)

Procedures Proposed for Agricultural Water Productivity

- 6.1 Increasing Irrigation Efficiency
 - 6.1.1 Main System Irrigation Efficiency
 - 6.1.2 Farm Irrigation Efficiency
- 6.2 Decreasing Farm-Land Evaporation
- 6.3 Usage of Deficit-Irrigation to Promote the Agricultural Water Productivity
- 6.4 Usage of Effective Routine Technologies
- 6.5 Proper Water Pricing
- 6.6 Small Scale Irrigation in the Arid Areas
- 6.7 On-Farm Irrigation Management
- 6.8 Soil Improvement to Increase the Agricultural Water Productivity
- 6.9 The Effect of Quantitative and Qualitative Statistics on the Agricultural Water Productivity
- 6.10 Utilizing Of Waste-Water in Agriculture
- 6.11 Participatory Irrigation Management by the Farmers
- 6.12 Irrigation System Performance Assessment in Improving the Agricultural Water Productivity
- 6.13 Usage of Pressurized Irrigation Systems
- 6.14 Crop Expansion on Controlled Areas
- 6.15 Training, Research and Expansion

References:

WORKING GROUP ON WATER SAVING FOR AGRICULTURE (WG-WATS)

Books

- Water Productivity in Agriculture;
- Manual on Irrigation Management in the Field;
- Crop Production under Controlled Area; Greenhouse, Hydroponics;
- Innovation on Water Saving in Agriculture;
- Manual on Deficit Irrigation; and
- Supplementary Irrigation and water conservation.

Workshops

- Innovation on Water Saving in Agriculture.
-