

**MINUTES OF THE 3<sup>RD</sup> MEETING OF THE  
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION  
SYSTEM DEVELOPMENT (WG-SON-FARM)**

15 August 2018, 09.00-10.30 hours  
Saskatoon, Saskatchewan, Canada

**Strategy Theme: On-Farm**

**Presented by the Chairman**

**Year of Establishment: 2016**

**Extended the completion of the Mandate: 2022**

**Mandate:** (a) On-farm irrigation structures and water distribution system networks are properly designed, installed, managed and maintained; (b) Soil moisture is monitored, technical and management measures for enhancing the water infiltration and retention capacities of soils are investigated and implemented; (c) Trade-offs among on-farm irrigation technologies, socio-economic and environmental benefits are optimized; (d) Innovative local institutional arrangements are developed and promoted for operation and maintenance; (e) Top-notch scientific and development relevant research is conducted and its results are translated into actionable recommendations.

**Website:** <http://wg-on-farm.icidonline.org/>

**Members Present:** (1) Dr. A.K. Randev, Chairman (India); (2) Mr. Carl Walters, Vice Chair (Australia); (3) Dr. Zhang Guohua – Young Professional (China); (4) Dr. Chen, Ching-Tien (Chinese Taipei); (5) Mr. Hassan Shantia (Iran) represented by PH Saeed Nairizi; (6) Dr. Graziano Ghinassi (Italy); (7) Dr. Akira Iwamoto (Japan); (8) Prof. Chang Eon Park (Korea, Rep. of); (9) Mr. Bashu Dev Lohanee (Nepal).

**Observers:** (i) Ms. Kathleen Murray (Australia); (ii) Li Yunpeng (China); (iii) Dr. Yu-Min Wang (Chinese Taipei); (iv) Sam Yu (Chinese Taipei); (v) Dr. Shinichi Urano (Japan); (vi) Dr. Seung Hean Lee (Korea, Rep. of).

**WG-SON-FARM Minutes Item 1: Action taken report by Chair**

1. The Chair welcomed and presented the report on the actions taken on the decisions and proposals of the working group since its last meeting held at Mexico in October 2017.

2. Secretary of the WG Mr Suman Sijapati could not attend the meeting however, the group noted that he made contributions to the working through email. Mr. Hassan Shantia (Iran) was represented by PH Saeed Nairizi and Dr. Zhang Guohua- Young Professional (China) attended the WG meeting and hence recommended to continue as Member. Dr. Abraham Mehrai Haile (The Netherlands), Dr. Dickson Ahagbuje (Nigeria), Mr. Muhammad Tahir Anwar (Pakistan), Mr. Suhad Jassim Obeed (Iraq), Mr. Hussein Shanan Abid – Young Professional (Iraq) neither attended the meeting nor contributed to the activities of the group for more than one year so the group suggested to invite new nominations from the respective NCs.

3. Dr. Ibrahim Mohamed Mahmoud (Egypt) and Prof. LB Roy, Direct Member (India) did not attend the meeting hence, they were accepted as Provisional Members. Dr YU-Min Wang from National Pingtung University of Science and Technology (Chinese Taipei), nominated by the Chinese Taipei Committee, attended the meeting and his nomination for the membership of the WG was accepted. Membership status is given in **Annex 3 (page 51)**.

**WG-SON-FARM Minutes Item 2: Road Map to ICID Vision 2030 – Status of activities on sustainable on-farm irrigation**

4. The group reviewed the activities as part of Road Map to ICID Vision 2030 and updated the progress (refer **Annex**). During the meeting, Chair made a presentation on types of papers and method of preparing papers – Position papers, Overview papers and Thematic documents by adopting scientific methods which are required as per WG strategies laid down under SDGs. The WG agreed to prepare three papers - one position paper, one overview paper and one thematic document to be presented during the next WG meeting. Dr Ghinassi, Mr Carl Walters and Dr Yu-Min Wang agreed to prepare one paper each for the next meeting of the WG.

**WG-SON-FARM Minutes Item 3: Collection and collation of micro and sprinkler data**

5. At Saskatoon, the Chair encouraged members to access the website and provide the updated information in respect of data pertaining to their countries so that the datasheet of Sprinkler and Micro Irrigation can be updated regularly. The updated table of total sprinkler and micro area (in descending order) is available at <http://www.icid.org/sprinklerandmicro.pdf>. The group noted that the ICID CO has followed-up with the members/

NCs and encouraged them to provide the latest information. The Chair updated the members the way data can be further collated and used by the respective members and all readers with the help of few selected techniques. WG Chair agreed to prepare prepared document on this and same will be presented during the next meeting by him.

**WG-SON-FARM Minutes Item 4: Publications of the working group**

**WG-SON-FARM Minutes Item 4.1: Article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”**

6. At Saskatoon, the group noted that article “Improvement of the on-farm irrigation systems using simple water control, measuring and application devices” is under final stage for possible publication in the ICID Journal. The Chair will discuss the present status of article with the concerned author after having discussion with the Ex-Chair PH Felix Reinders and will take necessary actions required for its early completion.

**WG-SON-FARM Minutes Item 4.2: Paper on “Micro irrigation for smallholders and greenhouses”**

7. During Saskatoon meeting, members noted that the paper “Micro irrigation for smallholders and greenhouses” is under final stage for possible publication in the ICID Journal. The group discussed the finalization of the paper which is pending for the last three years while Chair agreed to take necessary required action.

8. Mr. Carl Walters informed the members that the technical paper titled “Farm Water Program: Using the Water Savings Calculator” authored by C. Norman; C. Walters; M. McFarlane; C. Nicholson; and D. Lawler had been published in the Special Issue of Irrigation and Drainage Journal in May 2018 and the abstract is available at <https://onlinelibrary.wiley.com/doi/pdf/10.1002/ird.2246>.

**WG-SON-FARM Minutes Item 5: Dissemination of activities of WG**

**WG-SON-FARM Minutes Item 5.1: Website of the group**

9. The group noted that the website of the working group <http://wg-on-farm.icidonline.org/> is fully updated with new membership list, agenda, minutes etc. During Saskatoon meeting, Chair encouraged all members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to any outcome of their research or development efforts at their respective working places to ICID Central Office for uploading on the WG website for wider dissemination.

**WG-SON-FARM Minutes Item 5.2: Webinar/ Web based seminar**

10. The group Chair noted the importance of the organization of the webinars and requested all members to suggest a few topics based on the mandate of the WG on which webinar can be considered. During the meeting, Dr. Graziano Ghinassi (Italy) informed the WG members that he will be able to deliver webinar in the month of October 2018 as field trials are on going and results are awaited and the same has been conveyed to the CO. The chair requested members to visit the website of the ICID CO for participation in the webinar.

**WG-SON-FARM Minutes Item 6: Updating Multilingual Technical Dictionary (MTD)**

11. The group discussed about updating of MTD and after discussion, the Chair encouraged members to undertake the review of the concerned terms depending on their domain of expertise and suggest changes/ modifications and additions of new term(s), if any along with pictures, links and videos related to respective term(s). Chair also informed the members to supply any such information to the executive members - Chair, Vice Chair and Secretary of the WG for its further transmission to the ICID CO.

**WG-SON-FARM Minutes Item 7: Joint Session of Strategy Theme On-Farm, August 2018, Canada**

12. The Chair informed the members about the Terms of Reference (TOR) of Sub-Committee on Themes, Topics and Work Plans for Future ICID Events (SC-E-THEMES) as revised at Mexico meeting to make the WG meetings/ sessions technically richer and beneficial to the stakeholders and industries by exploring the ways of combining the meetings of work bodies with areas of common interest or holding webinars, etc. in the light of mandate of the three WGs under Strategy theme On-Farm. As per suggestion of the SC-E-THEMES during its meeting on 10 April and on 7 June 2018, a joint session of three WGs is being organised. The Chair suggested WG members to attend the Joint Session meeting of Strategy Theme ‘On-Farm’ in the after-noon session on 15 August 2018.

**WG-SON-FARM Minutes Item 8: Organization of 9<sup>th</sup> International Micro Irrigation Conference, 16-18 January 2019, Aurangabad, India**

13. The group noted that the Indian National Committee on Surface Water (INCSW) is organizing the 9th International Micro irrigation Conference (IMIC) from 16-18 January 2019 in Aurangabad, Maharashtra, India on the theme 'Micro Irrigation in Modern Agriculture'. The 9<sup>th</sup> IMIC will bring interesting and thought-provoking topics and speakers at the conference. Ministry of Water Resources, River Development and Ganga Rejuvenation, Government of India has set up organizing committee, technical and scientific committee and steering committee with representation from ICID for organizing 9MIC.

14. ICID is nominating few members of the WG in the technical and scientific committee which is mandated to finalize technical sessions, list of speakers, keynote speakers, programme etc. The Technical and scientific committee held its first meeting on 15 May 2018 deliberated on sub-themes and slightly modified these to take care of some specific issues. The modified sub-themes of the conference are - (i) Micro Irrigation Design, Innovations and New Techniques for Increased Crop Productivity; (ii) Financing of Micro Irrigation; (iii) Micro Irrigation for Cluster Level Farming and Smallholder Farmers and (iv) O&M Services and Capacity Development for the Micro Irrigation Systems. Abstract can be submitted directly to INCSW by accessing the link <https://imic2019.ivyleaguesystems.com/login/>. The last date for submission of synopsis/ abstract is 30 September 2018. The Chair requested members to provide all the necessary guidance for organizing the above conference and also ensure maximum participation in the technical matters within the stipulated time period.

**WG-SON-FARM Minutes Item 9: Any other business**

15. PH Saeed Nairizi pointed out the reference of FAO regarding Saving of Water through technology – is a confusing issue and sought the deliberations. The WG decided to send a question to all the members along with publications of Dr Chris Parry and another one that will be sent by PH Nairizi to the Vice Chair and the Chair for obtaining views and further comments from the members. The first question is "Does technology help to save Water?" while the second aspect for seeking comments by PH Nairizi from the members is 'What is the definition of Irrigation Efficiency?'



## Annex [Appendix XXIII, Item 2]

## ROAD MAP TO ICID VISION 2030 – ACTIVITIES OF WORK BODIES

Goals/ Strategies	Activities	Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
<b>Goal A: Enable higher crop productivity with less water and energy</b>							
<b>A1.Strategy:</b> Modernizing irrigation systems	1.3 Prepare country overview papers	Papers	Prepare two country overview papers	Prepare one country overview paper	Prepare two country overview papers		
<b>A5.Strategy:</b> Supporting water productivity enhancement	5.1 Prepare how to do thematic documents ready	Technical Document	Prepare one how-to-do document	Prepare one how-to-do document	Prepare one how-to-do document	Prepare one how-to-do document	Prepare one how-to-do document
	5.2 Develop a position paper on key issues on sustainable on-farm irrigation systems	Position paper	Prepare first draft paper	Finalize the position paper	Prepare second draft paper	Finalize the position paper	
<b>Goal C: Facilitate exchange of information, knowledge and technology</b>							
<b>C3.Strategy:</b> Promoting regional cooperation	3.9 Organize international workshop, seminar or symposium	Compilation of proceedings	First internal Workshop	Organization of the 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India	Hosting of 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India	Second workshop	Third workshop
<b>C4. Strategy:</b> Compile, collate and share knowledge and experiences	4.20 Database on sprinkler and micro irrigation in the world	Database	Updating database	Updating database	Updating database	Updating database	Updating database
	4.27 Research article on state of the art for publication in Irrigation and Drainage Journal	Study report	Prepare one article	Publication in Journal	Prepare one article	Publication in Journal	Prepare one article
<b>Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices</b>							
<b>E2. Strategy:</b> Strengthening Extension Services with AWM information							
<b>E5.Strategy:</b> Compilation of Global Data Sets on Irrigation and Drainage	5.1 Datasets for irrigated area	Database	Updating database	Updating database	Updating database	Updating database	Updating database
	5.2 Datasets for Pressurised Irrigation Systems	Database	Updating database	Updating database	Updating database	Updating database	Updating database

(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)

