

**Minutes of the 2<sup>nd</sup> Meeting of the  
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION  
SYSTEM DEVELOPMENT (WG-SON-FARM)**

12 October 2017, 09.00-10.30 hours (Session I)

12 October 2017, 11.00-12.30 hours (Session II)

Mexico City, Mexico

**Strategy Theme: On-Farm**

**Presented by the Chairman**

**Year of Establishment: 2015**

**Completion of the Mandate: 2021**

**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.

**Members Present:** (1) Dr. A.K. Randev, Chairman (India); (2) Mr. Chris Norman (Australia) represented Mr. Carl Walters, Vice Chair; (3) Mr. Suman Sijapati, Secretary (Nepal); (4) Dr. Fuqiang Tian represented by Mr. Yao Bin (China); (5) Dr. Hossein Dehghanisanij (Iran); (6) Dr. Graziano Ghinassi (Italy); (7) Dr. Akira Iwamoto (Japan); (8) Prof. Chang Eon Park (Republic of Korea); (9) Mr. Bashu Dev Lohanee (Nepal); (10) Mr. Siboniso Phillip Mkhali (South Africa); (11) Mr. Omer Faruk Akbulut (Turkey); (12) Dr. Chen, Ching-Tien (Chinese Taipei).

**Observers:** (1) Mr. Naseer Ahmed Fayez (Afghanistan); (2) Najumuddin Anjum (Afghanistan); (3) Momir Vranes (Australia); (4) Mr. Carlos Sanchez (Ecuador); (5) Mr. G. Paavan Kumar Reddy (India); (6) Mitsuo Ishijima (Japan); (7) Masayoshi Satoh (Japan); (8) Mamoru Watanabe (Japan); (9) Jaepil Cho (Republic of Korea); (10) Grisdda Medina (Mexico); (11) VPH Felix Reinders (South Africa); (12) S. Aydin Aytay (Turkey); (13) Yu-Chuan Chang (Chinese Taipei); (14) Pang-Chung Liu (Chinese Taipei).

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

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

1. At the onset, Chair Dr. A.K. Randev welcomed all members and presented a brief report on the actions taken as per the decisions of the first meeting of the WG held at Chiang Mai in November 2016. He highlighted upon the mandate of the WG in the light of Roadmap to ICID Vision 2030.

2. The Chair noted that no new nominations were received from the NCs during the year. Out of twenty-three, eleven members of the WG were present in the meeting while Mr. Yao Bin (China) was represented by Dr. Fuqiang. The Chair requested each member of the WG to provide their expertise/ field of specialisation either to randev26@rediffmail.com or sumansij@yahoo.com so that list of members can be updated accordingly for making further exchange among the members more effectively. Present status of membership of the WG is at **Annex 7 (page 55)**.

**WG-SON-FARM Minutes Item 2: ICID Action Plan 2030 – Activities on sustainable on-farm irrigation**

3. The WG reviewed action plan of the WG as per Roadmap to ICID Vision 2030 (Annex 2 of WG agenda, page 179 of 68<sup>th</sup> IEC agenda), as per mandate of the WG, and confirmed the same. As a part of action plan, WG successfully organized the internal workshop (see *item 7*) and received, in total, six papers consisting of 2 review papers, 2 thematic papers and 2 position papers.

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

4. The Chair informed the members that the existing questionnaire “Survey of world-wide usage of sprinkler and micro irrigation” was revised by him and the former chair VPH Felix Reinders. The Chair requested members to access the website and provide the latest information in respect of data pertaining to their countries every year.

**WG-SON-FARM Minutes Item 4: Publications of the working group****WG-SON-FARM Agenda Item 4.1: Article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”**

5. During the meeting, VPH Felix Reinders informed the group that the article “Improvement of the on-farm irrigation systems using simple water control, measuring and application devices” is under process and will be submitted soon to ICID for possible publication in the ICID Journal.

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

6. VPH Felix Reinders informed the group that the paper “Micro irrigation for smallholders and greenhouses” is under process and will be submitted soon to ICID for possible publication in the ICID Journal. During the meeting, Dr. Hossein Dehghanisanij (Iran) also informed that the paper on “Micro irrigation under saline conditions” as part of the ICID Vision 2030 is under process and will be submitted by the end of the year 2017.

**WG-SON-FARM Minutes Item 5: Dissemination of activities of WG****WG-SON-FARM Minutes Item 5.1: Web site of the group**

7. The group noted that the website of the working group <http://wg-on-farm.icidonline.org/> was updated with new membership list, agenda, minutes etc. The WG Chair requested all members to share information, knowledge & experience and provide papers, presentations, articles, reports etc. related to scope of the WG to ICID Central Office for uploading on the WG website for wider dissemination.

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

8. WG Chair informed the members about the organization of the webinars by ICID Central Office during last one year 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, VPH Felix Reinders suggested name of Dr. Graziano Ghinassi (Italy) as one of the expert to make presentation through webinar. Dr. Ghinassi also agreed to take further action in the matter in consultation with the ICID Central Office.

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

9. WG discussed about updating of MTD and after discussion, the Chair requested 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). However, due to paucity of time, nominating a suitable professional for TF-MTD was not discussed by the group.

**WG-SON-FARM Minutes Item 7: Internal workshop on “Sustainable On-farm Irrigation Systems for Higher Crops’ Productivity”, October 2017**

10. The WG organized an internal workshop on the theme “Sustainable on-farm irrigation systems for higher crops’ productivity” during the WG meeting with the objective to discuss and share the experiences and knowledge on on-farm irrigation (*as part of ICID Vision 2030*). In total, following six papers were presented:

**A. Review papers:**

1. “Sustainable On-farm Irrigation System Development” (Suman Sijapati)
2. “On-farm irrigation systems and crops’ productivity in the light of National Water Policy - Indian Perspective” (Dr. A. K. Randev)

**B. Thematic papers:**

3. "Saving Water in Northern Victoria, Australia: Farm Water Program - Objectives, Learnings and Successes" (C. Walters, M. McFarlane, G. Mason, C. Nicholson, and D. Lawler) (*presented by Chris Norman*)
4. “Sustainable Technology to Save Energy During Travelling Sprinkler Irrigation” (Graziano Ghinassi and Francesco Garbati Pegna)

## C. Position papers:

5. "A study on irrigation management practice strategies of paddy rice during drought period in Taiwan" (Ching-Tien Chen, Yu-Chuan Chang, Ming-Feng Yang and Jie-Ming Huang) (*presented by Yu-Chuan Chang*)
6. "Sustainable on-farm irrigation systems in Afghanistan: Current challenges and future needs" (Mohammad Asif and Najmuddin Najam) (*presented by Najmuddin Najam*)

11. The presentations were followed by discussions which were responded by the respective presenters. On behalf of ICID Central Office, Dr. Vijay Labhsetwar introduced Mr. Chris Norman (Australia) winner of ICID WatSave Technology Award 2017. The presentations of the internal workshop along with the proceedings were submitted to ICID Central Office in soft copy for uploading on WG web site.

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

12. The Chair informed about the organization of 9<sup>th</sup> International Micro Irrigation Conference by Indian National Committee on Surface Water (INCSW) in January 2019 in India. WG will provide technical guidance for organizing the above conference. The Chair requested all members of the WG to actively contribute to the 9<sup>th</sup> IMIC by submitting abstracts/ papers to the conference.

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

13. The Chair thanked all the members with expectation of timely response of each member as per each one's expertise.

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