

**Minutes of the 1st Meeting of the
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)**

10 November 2016, 13.30-15.00 hours (Session I) and 15.30-17.00 hours (Session II)
Chiang Mai, Thailand

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) Vice President Hon. Felix B. Reinders, Chairman (South Africa); (2) Vice President Hon. Prof. Peter Kovalenko, Vice Chairman (Ukraine); (3) Dr. A.K. Randev, Secretary (India); (4) Mr. Carl Walters (Australia); (5) Dr. Chen, Ching-Tien (Chinese Taipei); (6) Dr. Hossein Dehghanisani (Iran); (7) Dr. Graziano Ghinassi (Italy); (8) Dr. Akira Iwamoto (Japan); (9) Mr. Suman Sijapati (Nepal); (10) Mr. Bashu Dev Lohanee (Nepal).

Observers: (i) Naser Ahmed Faye (Afghanistan); (ii) Mohammad Asif (FAO-Afghanistan); (iii) Ass. Prof. Shams (Afghanistan); (iv) Mr. Stephen Mills (Australia); (v) Yean-Yuan, Chen (Chinese Taipei); (vi) Prof. Zeinab Hussein Behairy (Egypt); (vii) Mr. Anuj Kanwal (India); (viii) Dr. Ismail Widadi (Indonesia); (ix) Mr. Nagai Koji (Japan); (x) Prof. Chang Eon Park (Korea, Rep. of); (xi) Mr. Suresh Kumar Sharma (Nepal); (xii) Eng. G.M.R.A. Perera (Sri Lanka); (xiii) N.G.R. Ariyaratne (Sri Lanka); (xiv) Mr. Jan Potgieter (South Africa); (xv) Mr. Sitha Ketpratoom (Thailand); (xvi) Bilge Omar (Turkey); (xvii) Mr. Omer Faruk Akbulut (Turkey); (xviii) Eng. Thubelihle A. Thebe (Zimbabwe).

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

WG-SON-FARM Minutes Item 1: Action Taken Report by Chair

1. At the outset, Chair welcomed members and presented a short report on the actions taken on the decisions which were as follows – (a) The workplan of the WG-SON-FARM was accepted as a guiding principle upto 2021; (b) For the ICID Action Plan 2030, provisional actions and milestones were populated but need discussion; (c) Collection and collation of micro and sprinkler data continued; (d) Dissemination of the activities of the WG took place and an article was submitted for Newsletter; and (e) Presentations by the working group members was arranged and delivered on the meeting.

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

2. At the 66th International Executive Council (IEC), vide Resolution IEC-4/66, the new Vision, Mission and six Organizational Goals of ICID was approved. With that in hand, the WG developed an action plan during the meeting.

3. The group discussed and developed actions to be implemented by the WG during the Montpellier meeting in 2015, which was used as a basis by Central Office (CO) in consultation with WG Chair to prepare a draft activity plan of the group. The group discussed the draft action plan and finalized it (**Annex**) during the Chiang Mai meeting. As per the work plan prepared by the WG, it was proposed to prepare country papers, how-to-do thematic document and position papers on key issues as well as hosting workshops and Micro Irrigation Conferences. Members volunteered to undertake action to prepare deliverables as per finalized action plan. WG plans to organize an internal workshop during the WG meeting in 2017 in Mexico.

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

4. A simplified version of the questionnaire “Survey of World-wide Usage of Sprinkler and Micro Irrigation” was circulated to all National Committees for collection of information in respect of sprinkler and micro irrigation. The WG discussed the possible ways to review the present questionnaire and the WG Chair was requested to review and make modifications, if any in the questionnaire and to provide the revised questionnaire to ICID Central Office for circulating it to all NCs by the end of December 2016.

5. The group noted that the Central Office had followed up with the National Committees to update the datasheets pertaining to micro and sprinkler area. In response, the updated data were received from the National Committees of Estonia, Iraq, Japan, and Spain. Members were requested to provide latest information in respect of their countries every year.

WG-SON-FARM Minutes Item 4: Proposals for 9th International Micro Irrigation Conference

6. At Montpellier meeting, International Executive Council (IEC) approved vide Resolution IEC-3/66, the proposal for renaming Micro Irrigation Symposium to Micro Irrigation Conference and also approved in-principle the proposal of the Indian National Committee on Surface Water (INCSW) for organizing the 9th International Micro Irrigation Conference (IMIC) in 2019.

7. During the meeting, Eng Anuj Kanwal from India presented the broad status and details of organization of the 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India. After discussion on the theme and sub themes, it was agreed that these will be reviewed and revised by the WG Chair and circulated in December 2016 to WG members for finalization. The first announcement will go live in October 2017.

WG-SON-FARM Minutes Item 5: Publications of the working group

WG-SON-FARM Minutes Item 5.1: Article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices”

8. The group discussed and agreed that the article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control Measuring and Application Devices” would be finalized and submitted before the end of December 2016 to ICID Central Office for its wider dissemination.

WG-SON-FARM Minutes Item 5.2: Paper on “Micro irrigation for smallholders and greenhouses”

9. The group discussed and decided that the report on “Micro irrigation for smallholders and greenhouses” provided by Prof. Yoshisuke Nakano (Japan) be edited and sent to ICID CO by the end of 2016. WG also suggested to communicate with the Prof Yoshisuke Nakano to provide some clearer pictures and diagrams for inclusion in the report.

10. Dr. Hossein Dehghanisani from Iran volunteered to prepare a paper on “Micro Irrigation under Saline Conditions” as part of the deliverables of Vision 2030 action plan.

WG-SON-FARM Minutes Item 6: Dissemination of activities of WG – Website of the group

11. The WG Chair requested members for their active participation in the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking in order to keep themselves up-to-date with new developments, methods and innovative on-farm management practices. During the meeting, members noted that an article titled “Cleaning of drippers with ultrasound” has been placed by VPH Reinders. WG Chair urged members to provide articles and information that can be posted on the Website.

WG-SON-FARM Minutes Item 7: Updating Multilingual Technical Dictionary (MTD)

12. WG discussed the matter and issues related to updating of MTD. During the meeting, the WG nominated Chair, Vice Chair and Secretary for the management and to review the terms related to the activities of the group. To achieve this goal, it was agreed that they would undertake to review the concerned terms depending on their domain of expertise and will suggest changes / modification and addition of new terms, if any along with contributing pictures, links and videos related to respective term. WG members were also requested to look at the terminology and to improve it wherever necessary by providing information to the WG Chair and ICID Central Office.

WG-SON-FARM Minutes Item 8: Presentation by the working group members

13. During the meeting, presentations were made by – (i) Mr. Carl Walters (Australia), an expert in the field of flood based irrigation systems, on the technologies that are in use in Australia, and (ii) VPH Felix Reinders (South Africa) on technology and smart approach to keep drip irrigation systems functional. WG plans to organize an internal workshop during the WG meeting in 2017 in Mexico.

WG-SON-FARM Minutes Item 9: Closure report of the working group

14. The group discussed and proposed that the closure report of the WG-ON-FARM will be finalized and forwarded to ICID CO by January 2017 by the WG Chair.

WG-SON-FARM Minutes Item 10: Review of the membership of the working group

15. During the meeting, the group reviewed the nominations received for the membership of the group and recommended as follows:

Sl. No.	Name	Country	Remarks
(1)	Mr. Yao Bin	China	Provisional Member
(2)	Dr. Zhang Guohua (Young Professional)	China	Provisional Member
(3)	Mr. Sher Singh	India	Observer
(4)	Prof. Chang Eon Park	Korea, Rep. of	Provisional Member
(5)	Eng. S. Mohanarajah	Sri Lanka	Provisional Member
(6)	Mr. Siboniso Phillip Mkhali in place of VPH Felix Reinders	South Africa	Accepted, represented by Mr J Potgieter
(7)	Mr. Suhad Jassim Obeed	Iraq	Provisional Member
(8)	Mr. Hussein Shanan Abid Al-Hussein (Young Professional)	Iraq	Provisional Member
(9)	Mr. Ömer Faruk Akbulut	Turkey	Accepted, Present

16. Membership status is given in **Annex 5 (page 33)**. The WG elected the following as the new management group of the WG –

- Chair : Dr A.K. Randev (India),
- Vice Chair : Mr Carl Walters (Australia),
- Secretary : Mr Suman Sijapati (Nepal)

WG-SON-FARM Minutes Item 11: Any other business**Webinar/ web-based seminar**

17. WG supported suggestion of organizing webinars which will promote sharing of vast expertise available with ICID fraternity with Members of the NCs. WG Chair requested members to provide their suggestions on the topics, based on the mandate of the WG, on which webinar can be considered along with name of the relevant experts who could be contacted to develop webinars.

18. At the end, VPH Reinders as outgoing Chair thanked WG members for their hard work especially the Vice Chair Prof Peter Kovalenko and Secretary Dr AK Randev for their support. The WG had achieved a lot and was the receiver of the Best Performing Workbody Award (BPWA) of ICID during his term. It was only possible with the support of everyone.

19. Mr Stephen Mills on behalf of the WG Members and participants thanked VPH Reinders for his leadership and guidance since 1998 as Chair of this WG. Dr Randev also thanked VPH Reinders whole heartedly for the consistent and strenuous efforts of VPH Reinders for leading the group to an appreciable heights and assured him for the continuity with same zeal under his guidance in future.



Annex [Appendix XVIII, Item 2]

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Felix B. Reinders (Chair), VPH Peter Kovalenko (Vice Chair), Dr. A.K. Randev (Secretary)

Date: November 2016

		Outcomes/ Outputs	Milestone for Year 2017	Milestone for Year 2018	Milestone for Year 2019	Milestone for Year 2020	Milestone for Year 2021
Goal 1: Enable higher crop productivity with less water and energy	1.1 Prepare country overview papers	Papers	Prepare two country overview papers	Prepare one country overview paper	Prepare two country overview papers		
	1.2 Prepare how to do thematic documents ready	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
	1.3 Draft 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	
Goal 3: Facilitate exchange of information, knowledge and technology	3.1 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
	3.2 Research article on state of the art for publication in Irrigation and Drainage Journal	Articles	Prepare one article	Publication in Journal	Prepare one article	Publication in Journal	Prepare one article
	3.3 Database on sprinkler and micro irrigation in the world	Database	Updating database	Updating database	Updating database	Updating database	Updating database



