AGENDA FOR THE 8TH MEETING OF THE
WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION
SYSTEM DEVELOPMENT (WG-SON-FARM)
05 November 2023, 09:30-11:00 hours (Session I) and 11:30-13:00 hours (Session II)
Visakhapatnam (Vizag), Andhra Pradesh State, India

Strategy Theme: On-Farm
Presented by the Chairman

Year of Establishment: 2016
Extended completion of the Mandate: 2025

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://icid-ciid.org/inner_page/121

WG-SON-FARM Agenda Item 1: Action taken report by Chair1

1. The Chair will present the report on the actions taken on the decisions and proposals of the working group at its last meeting held in October 2022.

2. In January 2023, the Chinese Taipei Committee (CTCID) nominated Dr. Shao-Yiu Hsu while Turkish National Committee (TUCID) nominated Dr. Caner Demir and Mr. Ibrahim Burak Yeşiloğlu for the membership of the group. During the first virtual meeting of the working group held on 15 March 2023, all the nominees viz. Dr. Shao-Yiu Hsu (Chinese Taipei Committee), Dr. Caner Demir (Turkey), and Mr. Ibrahim Burak Yeşiloğlu (Turkey) attended the meeting.

3. Dr. Zhang Guohua, Young Professional (China), Prof. Yao Bin (China), Mr. Hassan Shantia (Iran), Mr. Bashu Dev Lohanee (Nepal), and Engr. Malik Muhammad Akram (Pakistan) have not contributed to the activities of the working group during the last two years. Chair in consultation with the Vice Chair, Secretary of the WG, and the Central Office has updated the membership of the WG as given in Annex 1 (refer to the electronic version for the latest list). New nominations, if any, for the membership received, will be dealt with suitably after the meeting.

WG-SON-FARM Agenda Item 2: Brief of the virtual meeting organized in 2023

4. A virtual meeting of the working group was organised on 15 March 2023 and discussed various activities being undertaken by the WG as part of the Road Map to ICID Vision 2030, publication of the WG, organization of workshops, webinar, etc. Minutes of the virtual meetings of all work body have been uploaded on a dedicated webpage - https://icid-ciid.org/inner_page/152. Chair will provide further updates at the meeting.

WG-SON-FARM Agenda Item 3: Road Map to ICID Vision 2030 – Status of activities on sustainable on-farm irrigation

5. At the Adelaide meeting, WG discussed the Road Map to ICID Vision 2030 and provided the latest updates to PCTA for inclusion (refer to Annex 2). Activities of the WG, as per Road Map to ICID Vision which have three (3) goals, six (6) strategies, and eight (8) activities, briefly include outcome in the form of preparation of the position/overview/thematic research and development related documents/papers; presentation in the internal or international workshops, conferences for dissemination of technologies on a larger scale; publication of the papers; collection and collation of micro and sprinkler data; and updating Multilingual Technical Dictionary (MTD). Chair will provide further updates at the meeting.

WG-SON-FARM Agenda Item 3.1: Publications of the group

6. Two previous publications, viz. (i) “Improvement of On-Farm Irrigation Systems using simple water control, measuring and application devices” and (ii) Micro Irrigation for small holders and greenhouses” are pending for a

1 This will also include details of membership of WG as Annex
long period of time. Since no response is being received from contributors of the publication, Chair propose that long pending papers may be dropped and new papers may be developed for publication.

7. Dr. Hossein Dehghanisanij from Iran is finalizing a paper entitled “Micro Irrigation under Saline conditions”, and Chair/Dr. Hossein will provide updates on the paper during the WG meeting. Chair requested members that the authors of papers should modify the papers as per guidelines for the Irrigation and Drainage Journal of ICID for publication in IRD Journal. Any paper of the members published in the Journal other than the IRD Journal may also be informed to the WG Chair/Vice Chair/Secretary for record and further use. During the Adelaide meeting, Chair after discussion with the members, informed that the paper of Mr. Taku Mori was in the final stages of completion. Chair will provide further updates at the meeting.

**WG-SON-FARM Agenda Item 4:** Collection and collation of micro and sprinkler data

8. At the Adelaide meeting, Chair encouraged members to compile the micro and sprinkler data and support the ICID Central Office in updating the database. In December 2022, Central Office requested all members of the group to share the latest updated information pertaining to their country to ICID so that the datasheet can be updated regularly. The updated table of sprinkler and micro area (in descending order) is available at <https://icid-ciid.org/icid_data_web/sprinklerandmicro.pdf> Chair will provide further updates at the meeting.

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

9. During the Adelaide meeting, Chair encouraged the group members to provide documents related to the mandate of the WG for uploading on the website to ensure that works related to the activities of the group be communicated. In December 2022, Central Office requested all members of the group to share the documents, reports, articles, presentations, etc. related to the mandate of the group for uploading on the website. Chair will provide further updates at the meeting.

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

10. After discussion, Chair suggested members to consider updating the Multilingual Technical Dictionary (MTD) for improvements. In December 2022, ICID Central Office requested all members to undertake the review of the terms related to the mandate of the WG. Chair will provide further updates at the meeting.

**WG-SON-FARM Agenda Item 7:** Brief report of 10th International Micro Irrigation Conference, January 2023, Morocco

11. The 10th International Micro Irrigation Conference (IMIC) was organized from 25-27 January 2023 at Dakhla by the Moroccan National Committee of ICID (ANAFIDE) in collaboration with the Council of the Moroccan Community Abroad (CCME), in partnership with ICID and with support of the Ministry of Agriculture, Fisheries, Rural Development, Water and Forestry (MAPMDREF). The theme of the conference was ‘Micro-irrigation in the Era of Technology Innovation and Digital Transformation,’ which aimed to share experiences of using new technologies and best management practices in drip, micro-sprinkler, and other localized irrigation systems. The sub-themes focused on (i) Public Policies and the Promotion of Micro Irrigation: Lessons Learned; (ii) Innovation in Micro-Irrigation Design and Technology to Improve Resilience towards Climate Change; (iii) Micro-Irrigation for Small-Scale Farming, Challenges, Opportunities, and Initiatives; (iv) Micro Irrigation to Promote the Water-Energy-Food Nexus; (v) Digital Transformation for the Management of Micro-Irrigation; and (vi) International Cooperation for the Development of Micro Irrigation. The ICID was represented by President Prof. Dr. Ragab Ragab, Secretary General Er. A.B. Pandya and Executive Director Er. H.K. Varma and the National Committees were represented by the other ICID fraternity members. The event witnessed participation from several countries such as South Africa, Nigeria, Niger, Senegal, Egypt, Mauritania, the United Kingdom, France, Portugal, Italy, Spain, Lithuania, Australia, the United States, India, and Japan. Chair/Representative of Moroccan NC (ANAFIDE) will provide further updates at the meeting.

**WG-SON-FARM Agenda Item 8:** Internal/ Internal Workshop on Micro irrigation systems impacting agricultural growth and farm incomes

12. During the Adelaide meeting, the group suggested the organization of a workshop on the Adoption of Technology and barriers as identified by the end users during the 74th IEC and 25th ICID. The matter is open for holding a workshop - internal or international, title of the workshop, contributors, etc. However, due to the paucity of time, it was decided that this issue would be discussed and finalized at the meeting. Chair will provide further updates at the meeting.

**WG-SON-FARM Agenda Item 9:** ICID Members’ Profile Section

13. As a new initiative, ICID has launched a new website (https://icid-ciid.org) as part of ICID’s 70th Anniversary Celebration to meet the new web technologies. One of the newly added web features provides WG members
access to their profile section using their dedicated account. ICID CO vide email dated 9 July 2021 <https://icid.bmeurl.co/C7D4D2E> informed all members on how to access their accounts and change their passwords to maintain accuracy. Members are requested to review and update their information using their credentials and help us to maintain accurate information.

WG-SON-FARM Agenda Item 10: World Irrigation and Drainage Schemes (WI&DS)

14. ICID has taken the initiative to document the development of irrigation and drainage schemes in the world by establishing an online Register on “World Irrigation and Drainage Schemes (WI&DS)”. WI&DS will fulfill the need for a much-awaited global repository of information in systematic irrigation and agricultural water management. Irrigation projects having 5000 Hectares and above of Command Area can submit their information for inclusion in the register. The irrigation projects approved by National Committee/ICID Central Office for inclusion are entitled to Certification. Chair will encourage members to urge all irrigation and drainage scheme owners, managers, and researchers across the world and especially in their respective countries for contributing to the register. The review process and other details are outlined on the portal <https://wip.icidevents.org/> in detail.

Any other business

15. Restructuring of the Working Group: At the 73rd International Executive Council (IEC) meeting in Adelaide, it was decided by the IEC to look into the possibility of integrating WGs of similar/close mandates. With consultation of PCTA, PCSO, Secretary General of ICID, and the ICID Central office, a tentative new structure was developed. Among the existing 18 groups, nine of them will complete their mandate in November 2023. The remaining working groups are proposed to be structured into 11 new working groups under four themes: (1) Irrigation and Drainage Water Management (Long-term activities); 2. Natural Resources Management (Medium-term activities); 3. Water Management under Climate Change & Water Scarcity (Medium to long-term activities); 4. Sustainable Development and Management: Capacity Building, History, Institutional and Socio-Economical Aspects of Irrigation and Drainage Schemes. (Long-term activities). Proposed restructuring and new structure of the WGs will be deliberated during PCTA and IEC meetings of the 74th IEC meetings to be held from 1-8 November 2023 at Vizag, India. Under these four themes, the WG-SON-FARM has been included in theme 1 (Irrigation and Drainage Water Management) which is proposed to be integrated with three working groups namely: WG-WATS, WG-M&R, and WG-IDM. A report on the restructuring of the working groups is given in IEC Annex 5, page 23.

16. In July 2023, Chair Dr. Randev shared the new title of the WG viz. Working Group on Irrigation Water Management & Development (WG-IWMD) along with a brief note on amalgamating three WGs – WATS, IDM & M&R with President Dr. Ragab for consideration. Members may like to discuss the new structure of the working group during the meeting. WG Chair will provide further updates during the meeting.

NOTES FOR CHAIRPERSON:
1. Draft minutes of this meeting to be submitted to ICID Secretariat at Vizag, India after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 07 November 2023.
### A. Membership of the working group at 2021, 2022, and 2023 (virtual) meetings

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Members</th>
<th>Member from (Year)</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>1.</td>
<td>Dr. A.K. Randev, Chairman, 2016 (India)</td>
<td>2015</td>
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<td>2.</td>
<td>Mr. Carl Walters, Vice Chair, 2016 (Australia)</td>
<td>2015</td>
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<td>3.</td>
<td>Mr. Suman Siyapati, Secretary, 2016 (Nepal)</td>
<td>2015</td>
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<td>4.</td>
<td>Dr. Graziano Ghinassi (Italy)</td>
<td>2015</td>
<td>•</td>
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<td>5.</td>
<td>Mr. Hassan Shantia (Iran)</td>
<td>2015</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>No contribution, recommended for discontinuation after the India meeting if no contribution</td>
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<tr>
<td>6.</td>
<td>Dr. Chen, Ching-Tien (Chinese Taipei Committee)</td>
<td>2015</td>
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<td>7.</td>
<td>Mr. Bashu Dev Lohanee (Nepal)</td>
<td>2015</td>
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<td>No contribution, recommended for discontinuation after the India meeting if no contribution</td>
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<td>8.</td>
<td>Dr. Hossein Dehghanisanj (Iran)</td>
<td>2015</td>
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<td>9.</td>
<td>Mr. Siboniso Phillip Mkhaliphi (South Africa)</td>
<td>2015</td>
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<td>10.</td>
<td>Mr. Ömer Faruk Akbulut (Turkey)</td>
<td>2015</td>
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<td>11.</td>
<td>Dr. Zhang Guohua, Young Professional (China)</td>
<td>2016</td>
<td>•</td>
<td>•</td>
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<td>No contribution, recommended for discontinuation after the India meeting if no contribution</td>
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<td>12.</td>
<td>Prof. Chang Eon Park (South Korea)</td>
<td>2016</td>
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<td>13.</td>
<td>Dr Yu-Min Wang (Chinese Taipei Committee)</td>
<td>2018</td>
<td>•</td>
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<td>14.</td>
<td>Prof L.B. Roy, Direct Member (India)</td>
<td>2018</td>
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<td>15.</td>
<td>Mr. Taku Mori (Japan)</td>
<td>2019</td>
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<td>16.</td>
<td>Dr. Teoh Chin Chuang (Malaysia)</td>
<td>2019</td>
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<td>17.</td>
<td>Mr. Dilip Yewalekar, Direct Member, Jain Irrigation Systems Limited (JISL)</td>
<td>2020</td>
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<td>18.</td>
<td>Dr. Guan Guanghua (China)</td>
<td>2021</td>
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<td>19.</td>
<td>Prof. Luo Yufeng (China)</td>
<td>2021</td>
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<td>20.</td>
<td>Prof. Yao Bin (China)</td>
<td>2021</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>No contribution, recommended for discontinuation after the India meeting if no contribution</td>
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<td>21.</td>
<td>Dr. Gamal Mohamed Elkassar (Egypt)</td>
<td>2021</td>
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### Agenda for the 8th Meeting of WG-SON-FARM (74th IEC)

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Members</th>
<th>Member from (Year)</th>
<th>2021 Self Contributed</th>
<th>2022 Self Contributed</th>
<th>2023 Remarks</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>22.</td>
<td>Dr. Neelam Patel (India)</td>
<td>2021</td>
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<td>23.</td>
<td>Dr. Ashish Pandey (India)</td>
<td>2021</td>
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<td>24.</td>
<td>Engr. Malik Muhammad Akram (Pakistan)</td>
<td>2022</td>
<td>No contribution, recommended for discontinuation after the India meeting if no contribution</td>
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<td>25.</td>
<td>Secretary General, ICID</td>
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</tbody>
</table>

#### Observers

1. Mr. M.S. Sudhakar (Direct Member), JISL (India)
2. Mr. Abijit Joshi (Direct Member), JISL (India)
3. FAO Representative

### B. New nominations received from the National Committee/Committee

<table>
<thead>
<tr>
<th>No.</th>
<th>Name</th>
<th>Country</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>Dr. Shao-Yiu Hsu</td>
<td>Chinese Taipei Committee</td>
<td>Recommended as a member as he attended the virtual meeting on 15 March 2023</td>
</tr>
<tr>
<td>2</td>
<td>Dr. Caner Demir</td>
<td>Turkey</td>
<td>Recommended as a member as he attended the virtual meeting on 15 March 2023</td>
</tr>
<tr>
<td>3</td>
<td>Mr. Ibrahim Burak Yeşiloğlu</td>
<td>Turkey</td>
<td>Recommended as a member as he attended the virtual meeting on 15 March 2023</td>
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</table>

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

<table>
<thead>
<tr>
<th>Goals/Strategies</th>
<th>Activities</th>
<th>Outcomes/Outputs</th>
<th>Milestone for Year 2017</th>
<th>Milestone for Year 2018</th>
<th>Milestone for Year 2019</th>
<th>Milestone for Year 2020</th>
<th>Milestone for Year 2021</th>
<th>Milestone for Year 2022</th>
<th>Milestone for Year 2023</th>
<th>Milestone for Year 2024</th>
<th>Responsibility</th>
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</thead>
<tbody>
<tr>
<td>Goal A: Enable higher crop productivity with less water and energy</td>
<td><strong>A1.</strong> Strategy: Modernizing irrigation systems</td>
<td>1.3 Prepare country overview papers</td>
<td>Papers</td>
<td>Prepare one country overview paper</td>
<td>Prepare two country overview papers</td>
<td>Prepare two country overview papers</td>
<td>Prepare one country overview paper</td>
<td>Prepare two country overview papers</td>
<td>Prepare one country overview paper</td>
<td>Prepare two country overview papers</td>
<td>Prepare one overview paper</td>
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<td>5.2 Develop a position paper on key issues on sustainable on-farm irrigation systems</td>
<td>Position paper</td>
<td>Prepare first draft paper</td>
<td>Finalize the position paper</td>
<td>Prepare second draft paper</td>
<td>Finalize the position paper</td>
<td>Prepare one position paper.</td>
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<td>Goal C: Facilitate exchange of information, knowledge and technology</td>
<td><strong>C3.</strong> Strategy: Promoting regional cooperation</td>
<td>3.9 Organize international workshop, seminar or symposium</td>
<td>Compilation of proceedings</td>
<td>First internal Workshop</td>
<td>Organization of the 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India</td>
<td>Hosted 9th International Micro Irrigation Conference (IMIC) in January 2019 at Aurangabad, India</td>
<td>-</td>
<td>Second workshop</td>
<td>Third workshop.</td>
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<td><strong>C4.</strong> Strategy: Compile, collate and share knowledge and experiences</td>
<td>4.20 Database on sprinkler and micro irrigation in the world</td>
<td>Database</td>
<td>Updating database</td>
<td>Updating database</td>
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<td>4.27 Research article on state of the art for publication in Irrigation and Drainage Journal</td>
<td>Study report</td>
<td>Prepare one article</td>
<td>Publication in Journal</td>
<td>Prepare one article</td>
<td>Publication in Journal</td>
<td>Prepare one article</td>
<td>Prepare one article</td>
<td>Prepare one article.</td>
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<td>Goal E: Encourage Research and Support Development of Tools to Extend Innovation into Field Practices</td>
<td><strong>E2.</strong> Strategy: Strengthening Extension Services with AWM information</td>
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<td><strong>E5.</strong> Strategy: Compilation of Global Data Sets on Irrigation and Drainage</td>
<td>5.1 Datasets for irrigated area</td>
<td>Database</td>
<td>Updating database</td>
<td>Updating database</td>
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(Source: Consultative Group (CG) Report: A Water Secure World Free of Poverty & Hunger: A Road Map to ICID Vision 2030)