

**AGENDA FOR THE 18<sup>TH</sup> MEETING OF THE  
WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)**

13 October 2015, 16.00-17.30 hours

Montpellier, France

**Strategy Theme: On-Farm**

**Presented by the Chairman**

**Year of Establishment: 1998**

**Completion of the Mandate: 2015**

**Mandate:** (i) To promote on-farm irrigation as part of integrated water resources management, and (ii) To promote sustainable efficient approaches for on-farm irrigation.

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

**WG-ON-FARM Agenda Item 1: Action taken report by Chair**

1. The Chair may like to present a report on the actions taken on the decisions and proposals of the working group at its last meeting held at Gwangju.

**WG-ON-FARM Agenda Item 2: Review of the membership of the working group**

2. In order to increase the efficiency and functioning of the Working Group during annual face to face meeting and avoid spending a lot of time on administrative matters, MB has decided that the admission of new members or discontinuation of the membership of the group will be dealt by Chairman in consultation with Vice Chair, Secretary and ICID Central Office prior to the meeting itself through emails/ web conference. Accordingly, the updated membership of the WG based on the nominations received so far is at **Annex 1** (see *the electronic version for the latest list*). Any new nominations for the membership received during the meeting will be dealt suitably after the meeting.

3. The Japanese National Committee (JNCID) has nominated Dr. Akira Iwamoto (*existing member*) for the membership of the new WG. Nominations of Mr. Bashu Dev Lohanee (Nepal) and Mr. Muhammad Tahir Anwar (Pakistan) have also been received for the membership of the new WG. Iranian National Committee (IRNCID) has nominated Dr. Hossein Dehghani Sanij (Iran) for the membership of the group.

**SUPP.:**

As per ICID By-Laws 3.5, Direct Members shall be the members of not more than three (3) work bodies. Jain Irrigation Systems Limited (JISL) has recently joined ICID as Direct Member and has nominated following for the membership of the group (CVs are yet to be received):

- (a) Mr. M.S. Sudhakar,
- (b) Mr. S.P. Jadhav, and
- (c) Mr. Abijit Joshi (India)

**WG-ON-FARM Agenda Item 3: Collection and collation of Micro and Sprinkler Data**

4. After the Gwangju meeting, the Central Office has followed up with the National Committees to update the datasheets pertaining to micro and sprinkler area. The updated data were received from the National Committees of Austria, Burkina Faso, Iran, Japan, Spain, Sudan, and Uzbekistan. The updated table of total micro and sprinkler area in descending order is at **Annex 2**.

**WG-ON-FARM Agenda Item 4: Proposals for 9<sup>th</sup> International Micro Irrigation Symposium**

5. In order to promote the use of micro irrigation on large-scale, irrigation community worldwide, especially in developed countries ICID launched the hosting of International Micro Irrigation Congress commencing from the year 1971 by its member countries. Subsequently, ICID volunteered to organize the event commencing from 6th International Micro Irrigation Congress held at South Africa in 2000 with an objective of creating awareness among its members about latest developments in micro irrigation technology to enhance crop production. At the 61st IEC meeting held at Yogyakarta in 2010, a decision was taken that the nomenclature "Congress" is apt for one and only one event in ICID, which is the triennial ICID Congress that has been covered in the Constitution and By-laws and

all the events not decided in accordance with the By-laws are to be named as “Conference”. However, in the 15<sup>th</sup> meeting of the Working Group on On-Farm Irrigation Systems (WG-ON-FARM) held at Adelaide, Australia in June 2012 at the 63<sup>rd</sup> IEC meeting of ICID, it was decided to name it as Micro Irrigation Symposium .

6. Although it was not endorsed by IEC, keeping in view the importance of the subject and expected participation of large number of participants, it is suggested to keep event as International Micro Irrigation ‘Conference’ instead of ‘Symposium’. The main objectives of International Micro Irrigation Conference will be:

- To share experiences in the use of new technologies and best management practices in drip, micro-sprinkler, and other localized irrigation systems.
- To review the status of use of micro irrigation for smallholders.
- To understand socio-economic and technological factors impeding expansion of drip and micro-sprinkler irrigation area.

7. WG may like to discuss and confirm nomenclature as Micro Irrigation Conference.

8. In May 2015, ICID Central Office had invited proposals for hosting the 9<sup>th</sup> International Micro Irrigation Symposium (IMIS) from all the National Committees. A draft proposal for organizing the 9<sup>th</sup> Micro Irrigation International Symposium submitted by Indian National Committee on Surface Water (INCSW) will be tabled at Montpellier for discussion by the group.

**SUPP.:** A draft proposal for organizing the 9<sup>th</sup> Micro Irrigation International Symposium submitted by Indian National Committee on Surface Water (INCSW) is attached for discussion by the group.

**WG-ON-FARM Agenda Item 5: Publications of the working group**

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

9. During Gwangju meeting in September 2014 the group noted that the article on “Improvement of the On-Farm Irrigation Systems Using Simple Water Control Measuring and Application Devices” was almost complete and likely to be submitted. ICID Central Office requested Chairman and Dr. Haile in March 2015 to expedite its finalization and submission. WG Chair and Dr. Haile may like to apprise the members of the present status on the article.

**WG-ON-FARM Agenda Item 5.2: Paper on “Micro irrigation for smallholders and greenhouses”**

10. Prof. Yoshisuke Nakano (Japan) provided the final report on ‘Micro irrigation for smallholders and greenhouses’ in November 2014 for its possible publication in ICID Journal. The report has been forwarded to VPH Felix Reinders for his perusal. Chair may like to apprise the group of the present status and further action in the matter.

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

11. At the 65<sup>th</sup> IEC, it was decided that ICID Central Office bring out an online version of the MTD and make it available through ICID website. In this connection, Central Office is collecting the terms available with different NC in their respective languages, based on 2010 version of MTD. PCTA would be discussing the issue of revision of the MTD, pruning down the chapters and concentrating on the chapters that are within the expert purview of ICID [Refer Agenda Item No. 4 of PCTA].

12. PCTA would require a feedback from each of the WGs as to how they plan to review / update the terms that fall within their respective scope of activities. WGs may discuss this issue and provide the required input to PCTA. To achieve this goal, it is proposed to undertake the review of the concerned terms by the respective Working Group depending on their domain of expertise and suggesting changes / modification including addition of new terms, contributing pictures, links and videos related to that particular term.

**WG-ON-FARM Agenda Item 7: Guidelines for flood based irrigation systems**

13. During the Gwangju meeting, it was proposed that Dr. Abraham Mehari Haile (The Netherlands) would make a presentation on spate irrigation at Montpellier meeting. Accordingly, ICID Central Office requested Dr. Haile for making a presentation on spate irrigation at Montpellier. Dr. Haile/ Chair may apprise the group.

**WG-ON-FARM Agenda Item 8: Website of the workbody**

14. The website of the working group (<[http://www.icid.org/wg\\_onfarm.html](http://www.icid.org/wg_onfarm.html)>) is fully functional. Members are requested to access the WG website and share interesting reports/ articles/ documents etc. to ICID Central Office for posting on the website.

**WG-ON-FARM Agenda Item 9: Closure report and revised mandate of the WG**

15. A note giving summary of past activities of the task force has been prepared and circulated to all members. WG will prepare a closure report giving brief description of how its intended objectives and mandate have been achieved, including conclusion & recommendations and way forward.

16. At Gwangju meeting in 2014, WG was given an extension of one year till 2015 to complete its mandate and to develop a new mandate and prepare a Scoping Document (SD) for the new WG. Draft Scoping Document prepared by the Core Group (CG)<sup>1</sup> after incorporating suggestions of the WG, Chair was circulated to all members of the WG in April 2015 for their suggestions. Further, the SD was sent to all National Committees in May 2015 for their comments/suggestions, if any as well as to propose nominations for the new Working Group on Sustainable On-Farm Irrigation Systems Development (WG-SON-FARM). Draft scoping document based on the comments of ICID Central Office and NCs is at **Annex 3**.

17. The closure report for the previous tenure of the working group and the revised scope for the reconstituted WG with new mandate would be discussed and finalized in the meeting. The group will firm up the final SD during the meeting and forward it to PCTA/ IEC for its approval of establishing the new WG.

**WG-ON-FARM Agenda Item 10: Any other business**



**NOTES FOR CHAIRPERSON:**

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Montpellier (France) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 15 October 2015.

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<sup>1</sup> Core group included Dr. Haile, Dr. Randev, Mr. Abdullah and Mr. Sijapati as its members.



**Annex 1 [Appendix XV, Item 2]**
**A. Members and their attendance at 2013 and 2014 Meetings**

Sl. No.	Members	Member from (Year)	2013		2014		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	VPH Felix B. Reinders, Chairman, 2004 (South Africa)	1998	•		•		
2.	VPH Prof. Peter Kovalenko, Vice Chairman (Ukraine)	2001	•		# <sup>2</sup>		Recommended to make an Observer since Ukraine has become an Associate Member
3.	Dr. A.K. Randev, Secretary (India)	2005	•		•		
4.	Dr. Kim Sun-Joo (Korea)	1999					No contribution during last 2 years
5.	Mr. Yan Guanyu (China)	2002					No contribution during last 2 years
6.	VPH Dr. J.A. Ortiz (Spain)	2003		•		•	
7.	Dr. Graziano Ghinassi (Italy)	2004		•		•	
8.	Mr. Hassan Shantia (Iran)	2006	•		#		
9.	Dr. Abraham Mehari Haile (The Netherlands)	2008			•		
10.	Mr. Francois Chretien (Canada)	2010					No contribution during last 2 years
11.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2011	•		•		
12.	Mr. Jano Anter (Germany)	2011				•	Recommended to make an Observer since Germany has become an Associate Member
13.	Dr. Akira Iwamoto (Japan)	2011	•		•		
14.	Dr. Chen, Ching-Tien (Chinese Taipei)	2012	•		#		
15.	Mr. Suman Sijapati (Nepal)	2013	•		•		
16.	Dr. Dickson Ahagbuje (Nigeria)	2014			•		
17.	Secretary General, ICID				#		
<b>Permanent observers</b>							
(i)	Mr. Bruno Molle (ISO)						
(ii)	FAO Representative		•				

<sup>2</sup> # - Through representation

**B. New nominations received from the National Committees/ Direct Member**

<b>Sl. No.</b>	<b>Name</b>	<b>Country</b>	<b>Remarks</b>
(1)	Mr. Bashu Dev Lohanee	Nepal	Recommended, subject to his presence or else Provisional Member
(2)	Mr. Muhammad Tahir Anwar	Pakistan	Recommended, subject to his presence or else Provisional Member
(3)	Dr. Hossein Dehghani Sanij	Iran	Recommended, subject to his presence or else Provisional Member
(4)	Mr. M.S. Sudhakar – Direct Member, Jain Irrigation Systems Limited (JISL)	India	Recommended, subject to his presence or else Provisional Member
(5)	Mr. S.P. Jadhav – Direct Member, JISL	India	Recommended, subject to his presence or else Provisional Member
(6)	Mr. Abijit Joshi – Direct Member, JISL	India	Recommended, subject to his presence or else Provisional Member

**SPRINKLER AND MICRO IRRIGATED AREAS***(Arranged in descending order of total sprinkler and micro irrigated area)*

Sl. No.	Country	Total irrigated area	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
		(Mha)					
1	USA	24.7	12,348,178	1,639,676	13,987,854	56.5	2009
2	India	60.9	3,044,940	1,897,280	4,942,220	8.1	2010
3	China	59.3	2,926,710	1,669,270	4,595,980	7.8	2009
4	Brazil	5.80	3,857,104	621,346	4,478,450	77.3	2013
5	Spain	3.61	852,189	1,756,138	2,608,327	72.4	2014
6	Russia	4.5	2,500,000	47,000	2,547,000	56.6	2012
7	Ukraine	2.2	2,450,000	52,000	2,502,000	100.0	2013
8	France	2.9	1,379,800	103,300	1,483,100	51.1	2011
9	Kazakhstan, Rep. of	1.2	1,400,000	17,000	1,417,000	100.0	2013
10	Iran	8.57	802,000	594,000	1,396,000	16.3	2015
11	Italy	2.42	958,535	422,534	1,381,069	57.1	2013
12	South Africa	1.67	920,059	365,342	1,285,401	77.0	2007
13	Turkey	5.73	680,000	340,000	1,020,000	17.8	2012
14	Saudi Arabia	1.62	716,000	198,000	914,000	56.4	2004
15	Australia	2.38	690,200	214,200	904,400	38.0	2005
16	Canada	1.053	683,029	6,034	689,063	65.4	2004
17	Azerbaijan	1.433	610,000	100	610,100	42.6	2013
18	Korea, Rep. of	1.010	200,000	400,000	600,000	59.4	2009
19	Mexico	6.2	400,000	200,000	600,000	9.7	1999
20	Egypt	3.42	450,000	104,000	554,000	16.2	2000
21	Germany	0.54	525,000	5,000	530,000	98.1	2005
22	Japan	2.92	430,000	60,000	490,000	16.8	2013
23	Romania	1.5	448,000	4,000	452,000	30.1	2008
24	Slovak Rep.	0.313	310,000	2,650	312,650	99.9	2000
25	Israel	0.231	60,000	170,000	230,000	99.6	2000
26	Morocco	1.65	189,750	8,250	198,000	12.0	2003
27	Hungary	0.22	185,000	7,000	192,000	87.3	2008
28	Moldova	0.228	145,000	15,000	160,000	70.2	2012
29	Syria	1.28	93,000	62,000	155,000	12.1	2000
30	Austria	0.117	117,000	20,000	137,000	100.0	2011
31	UK	0.11	105,000	6,000	111,000	100.0	2005
32	Finland	0.07	60,000	10,000	70,000	100.0	2010
33	Portugal	0.63	40,000	25,000	65,000	10.3	1999
34	Malawi	0.055	43,193	5,450	48,643	88.4	2000
35	Sudan	1.89	42,000	-	42,000	2.2	2012
36	Chile	1.09	16,000	23,000	39,000	3.6	2006
37	Chinese Taipei	0.38	18,850	8,750	27,600	7.3	2009

Sl. No.	Country	Total irrigated area	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
		(Mha)	Hectares				
38	Bulgaria	0.588	21,000	3,000	24,000	4.1	2008
39	Czech Rep.	0.153	11,000	5,000	16,000	10.5	2007
40	Philippines	1.52	7,175	6,635	13,810	0.9	2004
41	Poland	0.1	5,000	8,000	13,000	13.0	2008
42	Slovenia	0.0073	8,072	733	8,805	100.0	2009
43	Uzbekistan	4.26	5,000	2,000	7,000	0.2	2014
44	Malaysia	0.38	2,000	5,000	7,000	1.8	2009
45	Macedonia	0.055	5,000	1,000	6,000	10.9	2008
46	Nepal	1.18	-	-	5,000	0.4	2012
47	Burkina Faso	0.04	4,500	280	4,780	12.0	2015
48	Lithuania	0.0044	4,463	-	4,463	100.0	2010
49	Estonia	0.002	100	500	600	30.0	2013
50	Iraq	3.52	-	-	159	0.0	2012
	<b>Total</b>	<b>225.63</b>	<b>40,769,847</b>	<b>11,111,468</b>	<b>51,886,474</b>	<b>23.0</b>	

(Source: Based on the information provided by the NCs and information available on FAO's AQUASTAT)



**WORKING GROUP ON  
SUSTAINABLE ON-FARM IRRIGATION SYSTEMS DEVELOPMENT (WG-SON-FARM)**

**FIRST DRAFT SCOPING DOCUMENT**

**1. Introduction and rationale**

- 1.1 If arid and semi-arid water stressed regions are to harness sustainable production gains and subsequent economic benefits, whilst managing direct and indirect environmental impacts, it is essential that:
- (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.
- 1.2 These issues will form the core mandate of the Working Group on Sustainable On-farm Irrigation systems (WG-SON-FARM).

**2. Objectives**

*2.1 Relevance of the Working Group (WG)*

2.1.1 The relevance of the WG can be specified as follows:

- (a) the topic of sustainable on-farm irrigation systems is relevant to the vision and mission of ICID and of interest for its members, especially in countries with a high, medium and low Human Development Index;
- (b) the WG is expected to contribute to effective implementation of the Strategy Themes On-Farm and Knowledge and to other Strategy Themes for that matter;
- (c) While many major investments and activities in the past stopped at the farm gate, it is increasingly being recognized that substantial resources should also be allocated to on-farm irrigation systems, if programmes on new irrigation development and/or modernization of existing systems are to make major contributions to higher agricultural production, economic growth and environmental sustainability.

*2.2 Relevance of the Working Group to the scope of the Thematic Area*

- 2.2.1 The same justification outlined in the above is applicable for the relevance of the WG to the scope of the Thematic Area. In the coming periods, on-farm water management and development will be an imperative integral component of any new irrigation development and/or modernization activity.

*2.3 Existing gap that the Working Group is expected to fill*

- 2.3.1 Other ICID WGs or Task Forces (TF) that have a related scope of work are: WG-ENV; WG-SDTA, WG-DROUGHT; WG-Climate; TF-VE and the recently proposed WG-M&R. The details on this WGs and TF could be appreciated at: [www.icid.org](http://www.icid.org)

- 2.3.2 The WG-M&R is mandated to study design and management of irrigation structures and efficient allocation and application of irrigation, but its scope ends at the farm gate. There is a gap in dealing with issues related to soil moisture management, water allocation, delivery and distribution at farm level. None of the WGs are presently mandated to make in depth study of sustainable development and management of on-farm irrigation systems.

- 2.3.3 This WG will also further enrich the knowledge-base of ICID community by bringing-in new insights on Flood-based Farming Systems (FBFS). FBFS represents a unique option for the management of often destructive floods in support of agricultural production and livelihoods of marginalized populations in poverty pockets in rural arid regions of Africa and Asia. Further, by their nature - using flood water rather than perennial flows -

they are quintessential adaptations to climate change and variability. The systems account for about 30 million hectares across the world – inclusion an estimated 15 million hectares in Sub Saharan Africa. Substantial local wisdom has developed over the past decades in organizing FBFS and managing both the floodwater and the heavy sediment loads that go along with it, but the systems have received little policy attention, largely stayed under the radar screen of major investment programmes and have been widely neglected by the scientific community.

- 2.3.4 The new WG has taken good note of the activities of all relevant ICID work bodies when preparing this Scoping Document.

### **3. State of knowledge on the topic**

#### *3.1 Other International Organisations that are working on the subject*

- 3.1.1 There are several other International Organisations that have programs and activities on this topic:

- (a) Food and Agriculture Organisation of the United Nations (FAO);
- (b) International Fund for Agricultural Development (IFAD);
- (c) Most of the 15 research institutes that are organised within the CGIAR Consortium, especially IWMI and ICARDA;
- (d) Multilateral development banks: ADB, AFDB, IADB, WB;
- (e) A number of universities and institutes for international education: AIT, Irrigation Training and Research Centre of California Polytechnic State University, McGill University, UNESCO-IHE;
- (f) Private companies and Foundations, namely MetaMeta and the Spate Irrigation Network

#### *3.2 The niche that the WG ICID is expected to fill in this area*

- 3.2.1 The specific niche that this WG can fill in this area can be formulated as follows:

- (a) Enrich the data-base on current and potential perennial irrigation and FBFS command areas through also the use of GIS and Remote sensing techniques;
- (b) Documented understanding of up-to-date technologies, methodologies and practise on the topic;
- (c) How-to-do easy to read knowledge products (with audio-visuals) on specific thematic areas such as managing soil moisture; novel indigenous and state of the art modern field water distribution systems; calibration, validation and application of relevant models;
- (d) Country overview papers based on review and analyses of manuals, guidelines, codes of practice and standards on development, modernization and management of on-farm irrigation systems in the countries that are represented in the WG;
- (e) Organise knowledge and experience sharing events – webinars, workshops, seminars or symposia on the topic;
- (f) Prepare research articles and overview papers on the topic for publication in Irrigation and Drainage (IRD).
- (g) Formulate a position paper on key issues for sustainable development and management of on-farm irrigation systems.
- (h) Support the Central Office with updating of the data base on micro-irrigation systems at country scale.

#### *3.3 How is the Working Group expected to collaborate with the other International Organisations?*

- 3.3.1 Several members of the former WG-ON-FARM who are expected to join this new WG-SON-FARM are well connected to a number of international organizations (IFAD, FAO, IWMI, WWC, GWP and others) and will have the possibilities to share the initiatives and achievements of the WG. On the other hand, the international organizations will be encouraged to actively contribute to the activities of the WG by nominating permanent observers. The adoption of a policy to make all knowledge products of the WG available on an open source basis in line with the Creative Commons will facilitate this collaboration.

### **4. Work Plan**

#### *4.1 Scope*

- 4.1.1 The WG is expected to support research, evidence-based documentation and dissemination on latest scientifically significant and societal relevant issues and accordingly make recommendations with respect to:

- (a) Identifying, planning and formulating approaches, methodologies, technologies and field practices for sustainable development and management of on-farm irrigation systems;
- (b) Balancing the trade-offs between socio-economic benefits and maintaining sustainable environments;
- (c) Interaction between adoption of top-end on-farm irrigation technologies and the resulting required operation and maintenance as well as institutional arrangements;
- (d) Guidelines for design of on-farm irrigation structures and automation of field water distribution networks;
- (e) Use of Information and Communications Technology (ICT) viz. mobile, internet, GIS and remote sensing, for efficient on-farm water management.

4.1.2 Annex 1 has the details on the results-based work-plan for the period 2014 to 2019.

#### 4.2 *Target audience*

4.2.1 Farmers, grassroots/community organizations, practitioners and managers, researchers, development organizations and policy shapers interested in and are actively working and promoting sustainable development and management of on-farm irrigation systems.

#### 4.3 *Outputs*

4.3.1 The major expected outputs during the six-year life of the WG are the following:

- (a) Six How-To-Do thematic notes supported with audio-visual material;
- (b) Three publications in the Irrigation and Drainage (IRD) journal: 2 research articles and one overview paper;
- (c) Six country overview papers published through relevant national facilities;
- (d) At least two workshops, seminars or symposiums successfully organized.
- (e) A position paper on sustainable development and management of on-farm irrigation systems

#### 4.4 *Timelines*

4.4.1 Sustainable development and management of on-farm irrigation systems is an evolving important topic in light of its role in support of global food production. Nonetheless, it is recommended that the initial term of this WG will be set at six years. This timeline is based on the work-plan given in annex 1, which will be further refined during the inaugural meeting of the WG.

#### 4.5 *Collaborators and dissemination strategy*

4.5.1 The WG would have to base its activities on an open attitude with a clear scope for invitation of outsiders that are interested in the topic on a Permanent Observers (PO) or ad hoc basis.

4.5.2 The dissemination strategy would have to be based on reaching those who can apply the findings and recommendations of the WG in their research and especially in policy development, decision making and implementation in practice.

4.5.3 **Appendix** has the work-plan detailing the major activities for the period 2014 to 2019 and the main actors responsible for realizing the activities.

### 5. **Core Group**

5.1 The Core Group consists of:

*Convenor:* Dr. Abraham Mehari Hale

*Members:* Mr. Felix Reinders (former Chairman of WG On-Farm), Dr. A.K. Randev (Former Secretary, WG On-Farm); Mr Suman Sijapati, Mr Mohd Yazid bin Abdullah, Ms. Sabine Saidel

Appendix to Annex 3 Para 4.5.3

**RESULTS-BASED WORK PLAN FOR THE WORKING GROUP ON SUSTAINABLE ON-FARM IRRIGATION SYSTEMS (WG-SON-FARM)**

Activity	2014	2015	2016	2017	2018	2019	Actors
Mailing of draft Scoping Document to members of the drafting team, former members of the Working Group On-Farm, Central Office and selected individuals	■	■					Convener
Comments on Updated Scoping Document received	■						All consulted individuals
Scoping document finalized and sent to all who contributed to the drafting	■	■					Convener
Invitation to National Committees for nominations and information		■					Central Office
Submission of nominations & information		■					National Committees facilitated by Central office
1st Meeting Montpellier - scoping document and work plan discussed, modified as necessary, and adopted			■				Members and Permanent Observers
Exchange of information, knowledge, experience, networking		■	■	■	■	■	Members and Permanent Observers
Support the Central Office with updating of the data base on (micro) irrigation systems		■	■	■	■	■	Members and Permanent Observers
Prepare country overview papers (one square represents one paper)			■	■	■	■	Some members
How-To-Do Thematic documents ready (one square represents one document)				■	■	■	Some members

