



WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

Year of Establishment: 1998

Gwangju, Rep. of Korea Meeting
Wednesday 17 September 2014
13:30-17:00



13.30-15.00 hours [Session I]
15.30-17.00 hours [Session II]

22nd ICID Congress &
65th IEC
14-20 September 2014
Gwangju, Rep. of Korea



WHO WE ARE



WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

Mandate:

- To promote on-farm irrigation as part of integrated water resources management, and
- To promote sustainable efficient approaches for on-farm irrigation.

Up to 2014



WHO WE ARE



WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

Membership

- *Membership consists of country representatives, permanent representatives of organisations and other interested individuals*
- *A member is proposed via the national ICID committee*
- *A permanent observer may be proposed via his/her country or by an international organisation*
- *Everybody is welcome attend our meetings: observers*



WHO WE ARE



WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

Activities

- *International Micro irrigation Congresses*
- *Special sessions on Micro irrigation*
- *Articles in Journals*
- *Update State of irrigation in the World*
- *Manuals*
- *Network*



**WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS
(WG-ON-FARM)**

A. General business	13:30	60 Minutes
B Work plan	14:30	30 Minutes
C Health break	15:00	30 Minutes
D Presentations	15:30	90 Minutes
E Closure	17:00	

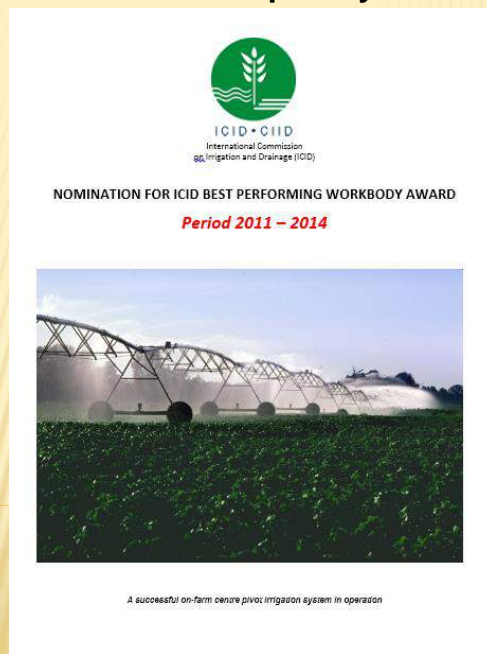


**WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS
(WG-ON-FARM)**

A. General business	13:30	60 Minutes
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1. **Confirmation of minutes Turkey**
2. **Apologies**
3. **Review Membership**
 - **Members to be replaced/terminated**
 - **New members proposed**
4. **Continuing items**

Item 1: Action taken report by Chair



Item 2 : Review of membership of the Working Group

WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)
Members and their attendance at 2012 and 2013 Meetings

Sl. No.	Members	Member from (Year)	2012		2013		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			•		
3.	Dr. A.K. Randeiv, Secretary (India)	2005			•		
4.	Dr. Kim Sun-Joo (Korea)	1999	# ¹				
5.	Mr. Yan Guanyu (China)	2002	#				
6.	VPH Dr. J.A. Ortiz (Spain)	2003		•		•	
7.	Dr. Graziano Ghinassi (Italy)	2004	•			•	
8.	Mr. Hassan Shantia (Iran)	2005	•		•		
9.	Mr. Mohan Reddy Junna (USA)	2007					●
10.	Dr. Abraham Mehani Halle ² (The Netherlands)	2008					●
11.	Prof. Dr. Rai Niaz Ahmed (Pakistan)	2009					●
12.	Mr. Francois Chretien (Canada)	2010	•				
13.	Mr. Mohd Yazid bin Abdullah (Malaysia)	2011	#		•		
14.	Mr. Jano Anter (Germany)	2011	•				
15.	Dr. Akira Iwamoto (Japan)	2011	•		•		
16.	Dr. Chen, Ching-Tien (Chinese Taipei)	2012	•		•		
17.	Mr. Suman Sijapati (Nepal)	2013			•		
18.	Secretary General, ICID		#				
Permanent observers							
(i)	Mr. Bruno Molle (ISO)						
(ii)	FAO Representative				•		

The following new nomination for the membership have been received –

Engr. Ahagbuje Dickson
The Nigerian National Committee (NINCID)

The following membership has been renewed –

Dr. Abraham Mehari
The Netherlands National Committee

Item 3 : Worldwide usage of Micro and Sprinkler Irrigation

The WG had discussed the updated data table of sprinkler and micro irrigation area in ICID member countries.

It was recommended that the data may be further expanded to include surface (gravity) irrigated area.

If possible, further sub-classification of each irrigation method for each country may also be compiled.

3.1 Datasheet on Sprinkler and Micro Irrigated Areas in ICID Network Countries

3.2 Survey of 'World-wide Usage of Sprinkler and Micro irrigation'

3.3 Compilation of irrigation efficiencies achieved in ICID network countries

WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)
(Total sprinkler and micro irrigated area - arranged in descending order)

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	Uzbekistan	4.186	4,300,000	2,000	4,302,000	100.0	2013
5	Brazil	4.45	2,313,008	327,866	2,640,874	59.3	2006
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	Spain	3.47	782,908	1,668,317	2,440,825	70.3	2011
9	Italy	2.67	981,163	570,568	1,551,731	58.1	2010
10	France	2.9	1,379,800	103,300	1,483,100	51.1	2011
11	Kazakhstan, Rep.	1.2	1,400,000	17,000	1,417,000	118.1	2013
12	Iran	8.7	744,000	547,000	1,291,000	14.8	2013
13	South Africa	1.67	920,059	365,342	1,285,401	77.0	2007
14	Turkey	5.73	680,000	340,000	1,020,000	17.8	2012
15	Saudi Arabia	1.62	716,000	198,000	914,000	56.4	2004
16	Australia	2.38	690,200	214,200	904,400	38.0	2005
17	Canada	1.093	683,029	6,034	689,063	65.4	2004
18	Azerbaijan	1.433	610,000	100	610,100	42.6	2013
19	Korea	1.010	200,000	400,000	600,000	59.4	2009
20	Mexico	6.2	400,000	200,000	600,000	9.7	1999
21	Egypt	3.42	450,000	104,000	554,000	16.2	2000
22	Germany	0.54	525,000	5,000	530,000	98.1	2005
23	Japan	2.47	430,000	60,000	490,000	19.8	2012
24	Romania	1.5	448,000	4,000	452,000	30.1	2008
25	Slovak Rep.	0.313	310,000	2,850	312,850	99.9	2000
26	Israel	0.231	60,000	170,000	230,000	99.6	2000
27	Morocco	1.65	189,750	8,250	198,000	12.0	2003
28	Hungary	0.22	185,000	7,000	192,000	87.3	2008
29	Moldova	0.228	145,000	15,000	160,000	70.2	2012
30	Syria	1.28	93,000	62,000	155,000	12.1	2000
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

Sl. No.	Country	Total irrigated area	Sprinkler irrigation	Micro Irrigation	Total sprinkler and micro irrigation	Percentage of total irrigated area	Year of reporting
		(Mha)					
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	Chile	1.09	16,000	23,000	39,000	3.6	2006
36	Chinese Taipei	0.38	18,850	8,750	27,600	7.3	2009
37	Bulgaria	0.588	21,000	3,000	24,000	4.1	2008
38	Czech Rep.	0.153	11,000	5,000	16,000	10.5	2007
39	Philippines	1.52	7,175	6,635	13,810	0.9	2004
40	Poland	0.1	5,000	8,000	13,000	13.0	2008
41	Slovenia	0.0073	8,072	733	8,805	100.0	2009
42	Malaysia	0.38	2,000	5,000	7,000	1.8	2009
43	Macedonia	0.055	5,000	1,000	6,000	10.9	2008
44	Nepal	1.18	-	-	5,000	0.4	2012
45	Lithuania	0.0044	4,463	-	4,463	100.0	2010
46	Estonia	0.002	100	500	600	30.0	2013
	Total	218.43	43,252,198	10,800,921	54,058,119	24.7	

Item 4: Inviting proposals for 9th Micro irrigation Conference

The 61st IEC meeting held at Yogyakarta in 2010 had decided to change the name of 'International Micro irrigation Congress' as "International Micro Irrigation Symposium" and that the event can be held alongside the IEC Regional Conference or independently at the frequency of 3 years. Central Office has invited proposals from the member countries for hosting the 9th International Micro Irrigation Symposium (IMIS) from 2015 onwards. Interested National Committees may send the proposal to the Central Office for its approval by the IEC.

Item 5 : PUBLICATIONS OF THE WORKING GROUP**5.1: Paper on "Improvement of the On-Farm Irrigation Systems Using Simple Water Control, Measuring and Application Devices"**

It was agreed that an article on "Improvement of the On-Farm Irrigation Systems using Simple Water Control, Measuring and Application Devices" will be prepared by Chairman Felix Reinders and Dr. Abraham Mehari Haile for its inclusion in the ICID News.

5.2: Paper on “Micro irrigation for Smallholders and Greenhouses”

Prof. Yoshisuke Nakano (Japan) in January 2014 has informed the Central Office that he would get in touch with the Chair towards preparation of the paper on “Micro irrigation for smallholders and greenhouses”. Chairman may apprise further updates.

5.3: Upgrading/ modernization of surface irrigation systems

During Mardin meeting, the group noted the slow progress in preparation of the book “Soil and Water Management in Surface Irrigation Systems” by Prof. Mohan Reddy Junna (USA). It was agreed that Chairman will follow it up with Prof. Junna so that it can be tabled at the Korea meeting. ICID Central Office has followed-up with Prof. Junna requesting to expedite the preparation of the book. Response is awaited.

Item 6: Tenure of the working group

Since the present tenure of the WG is going to complete by 2014. The group had agreed earlier to develop a new mandate. The group may like to discuss it and prepare a Scoping Document for the new mandate and scope of the WG.

Item 7 : Website of the Workbody

The WG website <<http://wg-on-farm.icidonline.org/>>is active and members are encouraged to access and provide relevant documents, information, pictures, and links to the Chair or Central Office for uploading on the website.

Item 8: Any other business**Item 8.1: Guidelines for flood based irrigation systems**

Secretary General in consultation with VPH Frank Dimick has proposed to include a presentation and discussion of the proposed “Design Guidelines on Flood-based Irrigation Systems” in the WG meeting. The preparation of this proposed design guidelines on flood-based irrigation systems will be coordinated by the International Spate Irrigation Network. Secretary General had requested Dr. Abraham Mehari Haile to make a presentation at Korea meeting.

Item 8.2: Updating ‘Basic Information’ for ICID website

During the Mardin meeting, Central Office presented a new section ‘Basic information’ on various aspects of irrigation and drainage, flood management related topics of relevance to the members of ICID as well as other stakeholders associated with the subject introduced on ICID website. The section explains various terms related to irrigation and drainage for web visitors who may be interested in very basic information about irrigation, drainage, flood management, climate change and irrigation system, and drought management etc. The objective is to make viewers/visitors aware of the core ICID areas of work and basic understanding of agricultural water management.

However, there is need to enhance the utility of this section by providing/ guiding layered in-depth information for those visitors, who wants to learn/acquire more knowledge on the subject. Workbody members are requested to contribute in expanding the above basic information further, based on their valuable expertise and inputs and add new relevant titles/ sub-titles, as they deem fit. The collected 'Basic Information' is available in the DropBox account created for Gwangju IEC. WG members are requested to review the 'Basic Information' related to their area expertise and may like to strengthen/ improve its contents. CO will upload the updated version on ICID website with due credits. A sample example is available in DropBox folder for clear understanding of the objective. Please contact Mr. Madhu Mohanan, Program Officer (icid@icid.org) for clarifications, if any?



WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)

B	Work plan	14:30	30 Minutes
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WORKING GROUP ON ON-FARM IRRIGATION SYSTEMS (WG-ON-FARM)
Work Plan (2012-2014)

2014	2015
Continue updating datasheet on "Sprinkler and micro irrigated areas in ICID member countries"	Convenor Scoping document New Working Group
Invitation to Countries for planning the 9th International Micro Irrigation Symposium	
Compile information received from countries filled in "Survey of world-wide usage of sprinkler and micro irrigation"	
Submit paper on "Micro irrigation for smallholders and greenhouses"	
Submit paper on "Field Water Management and Soil water Conservation under Spate Irrigation"	



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D Presentations	15:30	90 Minutes
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