

APPENDIX XVI [PCTA Item 8.1]

**AGENDA FOR THE 9TH MEETING OF THE
WORKING GROUP ON WATER AND CROPS (WG-WATER & CROP)**

10 November 2016, 13.30-15:00 hours (Session-I)

10 November 2016, 15.30-17.00 hours (Session-II)

Chiang Mai, Thailand

Strategy Theme: On-Farm

Presented by the Chairman

Year of Establishment: 2007

Completion of the Mandate: 2019

Mandate: To promote the efficient use of water in crop production, to provide input to test crop water models, to investigate the use of energy crops for bio-fuel production, to develop techniques for rainfall harvesting, to promote the multifunctional use of water in paddy (rice) cultivation, to investigate the adaptation of agriculture to climate change and to promote low input agriculture.

Website: <http://wg-crop.icidonline.org>

WG-W&C Agenda Item 1: Action Taken Report by Chair

1. During the last International Executive Council (IEC) meeting all the workbodies were requested to make use of the video conferencing facilities now being made available by the Central Office which enables monitoring of the actions taken on the decision of the WG. A virtual meeting through video conference also provides opportunity of participating in the activities of the WG for those members of the WG who are unable to attend the meeting physically and to continue their membership. WG may please take note. The Chair will present report on the actions taken on the decisions and proposals of the working group made at its last meeting held at Montpellier in 2015.

WG-W&C Agenda Item 2: ICID Action Plan 2030: Goal-wise Action Points

2. The 66th International Executive Council (IEC), vide Resolution IEC-4/66 has approved the new Vision, Mission and six Organizational goals of ICID (http://www.icid.org/vision_2030.html). In order to develop action plan, the Consultative Group (CG) requested inputs from ICID Work Bodies in prescribed format in May 2016 to identify actions to achieve the Organizational Goals in their area of activities which would form part of ICID Action Plan for Vision 2030.

3. Since no response has been received from the WG, the Central Office has prepared a draft action plan for the group (**Annex 1**) in consultation with the WG Chair. The group will discuss the draft action plan and finalize it during the Chiang Mai meeting and provide its input to PCTA. The updated activity plan incorporating all the comments will be submitted to the Core Group for incorporation in the ICID Action Plan for Vision 2030. WG Chair will provide further updates at the meeting

WG-W&C Agenda Item 3: Multi-functionality of water use in paddy (Rice) cultivation

4. The WG decided to bring out a 'Technical Report' based on the work carried out so far which includes reports on : (a) efficient use of water in crop production, (b) crop water models, (c) multifunctional water use in paddy, and (d) rainfall harvesting and energy crops. NCs of Philippines, China and Indonesia have contributed their papers for the 'Technical Report' during the Montpellier meeting in 2015. Further, Central Office requested the members/NCs from Korea, Thailand and Taiwan to contribute their papers in the area of the 'Multi-functionality of water use in paddy (Rice) cultivation' in their countries enriching the 'Technical Report' of the working group. The Chairman may apprise the WG members.

WG-W&C Agenda Item 4: Publications of the Working Group

WG-W&C Agenda Item 4.1: Technical Report

5. During the Montpellier meeting (2015), the Chairman of the WG discussed the reports by VPH Dr. Ragab Ragab (UK); Prof. Kim (Korea); Dr. Koji (Japan); and VPH Laurie C. Tollefson (Canada). However, report from Dr. K.Y. Reddy (India), Dr. Graziano Ghinassi (Italy) and Dr. Leon van Rensburg (South Africa) is awaited. Dr. K.Y. Reddy (India) has further informed that he would prepare a report on '*Efficient Use of Water in Crop Production*' The draft structure (format) of the Technical Report has been circulated to the members for their comments/suggestions, if any. The Chairman may apprise the WG members during the meeting.

WG-W&C Agenda Item 4.2: Best papers for Special Issue of IRD

6. The WG has organized International Workshops: (1) “*Management of Water, Crops and Soils under Climate Change*” in 2013 at Mardin, Turkey and (2) ‘*Precision Irrigation for Sustainable Crop Production*’ in 2015 at Montpellier, France. It is proposed to publish select best papers in the Special Issue of IRD Journal. A Review Committee needs to be established to select best papers. The Chairman may like to discuss and establish a Review Committee. The Guest Editors can be appointed in due course of time in consultation with EB-JOUR.

WG-W&C Agenda Item 5: Report of the Sub-theme 1 - Key issues of irrigation and drainage in balancing water, food, energy and ecology of WIF2

7. The Sub-theme 1 of the Second World Irrigation Forum (WIF2) titled ‘*Key issues of irrigation and drainage in balancing water, food, energy and ecology*’ closely related with the mandate of the WG and hence the WG contributed towards organization and review of papers under Sub-theme 1 instead of organizing an independent International Workshop. VPH Dr. Ragab Ragab (UK), Chairman of the WG was member of the Work Team who prepared the Background Paper for Sub-theme 1 of WIF2 under the Chairmanship of Dr. Reza Ardakanian (UNU-FLORES). The Background Paper of Sub-theme 1 is available at http://www.icid.org/wif2_bg_pap_st1.pdf Dr. Ragab was Co-chair of Parallel Session 1.5, whereas VPH Laurie Tollefson, Vice Chair of the WG was Rapporteur of Parallel Session 1.3 besides being a member of the ‘International Review Committee’ for WIF2. The Chair may present the report of sub-theme 1 and discuss issues that may be considered by the WG in future.

WG-W&C Agenda Item 6: Updating Multilingual Technical Dictionary (MTD)

8. At the 65th IEC, it was decided that ICID Central Office will 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. During Montpellier meeting in October 2015, the Permanent Committee for Technical Activities (PCTA), considering this as an important input for working towards SDGs, recommended setting up of new workbody to review/ update the existing MTD with representatives from various specialised fields at the same time representing various languages. Accordingly, a Task Force on MTD has been proposed to be set up with WG Chair/ nominee as members along with members from various expert international organizations (Refer PCTA Agenda Item 4, page 82).

9. Since 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, the group may like to discuss this issue and nominate a suitable expert as a nodal person for reviewing the terms related to the activities of the group. To achieve this goal, it is proposed that WG undertake review of the concerned terms depending on their domain of expertise suggesting changes / modification and addition of new terms, along with contributing pictures, links and videos related to respective term.

WG-W&C Agenda Item 7: Dissemination of activities of WG – Website of the group

10. Members are requested to actively participate and contribute to the activities of the WG and facilitate exchange of information, knowledge and experience, as well as networking on the subject in order to keep themselves up-to-date with new developments, methods and irrigation management practices. In October 2015, Chair Dr. Ragab Ragab provided the outcome of the international workshop on ‘*Precision Irrigation for Sustainable Crop Production*’ along with some papers/presentations of the authors which have since been uploaded on the WG website http://wg-crop.icidonline.org/crop_present.html for more information of the group. In order to ensure regular contribution of the members, WG is encouraged to make full use of WebEx platform for virtual meetings in between face to face meetings during IEC. Members may like to discuss and evolve methodology for sharing of information and updating of WG website.

WG-W&C Agenda Item 8: Review of the membership of the Working Group

11. 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 had 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 conferencing.

12. New nominations of Dr. Nader Heydari (Iran) in place of Ms. Jaleh Vaziri and Dr. Wu Di (China) have been received from the Iranian National Committee on Irrigation and Drainage (IRNCID) and Chinese National Committee on Irrigation and Drainage (CNCID), respectively. The Chairman recommends their membership for the WG. In case the new nominee is not present during the meeting, the nomination is accepted as ‘Provisional Member’ for one year. The new nominee would be expected to contribute to the activities of the working group by actively participating in the WG meetings, by e-mail or video-conferencing during the year for regularizing the membership of the WG thereafter.

13. Dr. Allah Bakhsh (Pakistan), Provisional Member of the WG in 2015 contributed by e-mail and also submitted his paper on “*Tubewell run on Solar Energy and its use in Agriculture*” which has been accepted for oral

presentation in the Side Event 10: “Solar Energy in Irrigation and Drainage” of WIF2. In view of his active contributions, his membership is hereby regularized/continued.

14. On the basis of non-attendance, non-participation, no communication with ICID (ICID by-law 3.5) during the last 2 or more consecutive years, Chair recommends discontinuation of membership of Dr. Koji Inosako (Japan).

15. Accordingly, the updated membership of the WG based on the nominations received as of now can be seen in **Annex 2** (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.

WG-W&C Agenda Item 9: Any other business

SUPP: Webinar/ web-based seminar

Webinar/ web-based seminars are organized on web platform using video conferencing. This platform is used to organize workshop, seminar, presentations, etc. Many international organizations are using this platform to disseminate their knowledge. In order to share vast expertise available with ICID fraternity with Members of the NCs, it is proposed to organized on average about 2 webinars per month with the support of WG experts. WG will discuss and suggest 5-6 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.



NOTES FOR CHAIRPERSON:

1. Draft minutes of this meeting to be submitted to ICID Secretariat at Chiang Mai (Thailand) after the meeting.
2. Chair to participate and present the WG report to PCTA meeting on 11 November 2016.

ICID ACTION PLAN VISION 2030 – ACTIVITIES BY WORKBODIES

Name of the Chairman and members filling this questionnaire: VPH Dr. Ragab Ragab (UK); VPH Laurie C. Tollefson (Vice-Chairman) and Dr. K.Y. Reddy (Secretary)

Dated:

		Outcomes / Outputs	Milestone for Year2017	Milestone for Year2018	Milestone for Year2019	Milestone for Year2020	Milestone for Year2021
			Milestone 1	Milestone 2	Milestone 3	Milestone 4	Milestone 5
Goal 1: Enable higher crop productivity with less water and energy	1.1 Develop guidelines on efficient use of water in crop production	Guidelines	Outline of guidelines - Introduction	Release the first draft guidelines	Finalise the draft guidelines	To publish it	
Goal 2: Be a catalyst for change in policies and practices	2.1 Technical Report	Report	Prepare the first draft report for discussion	Release the second draft report	Finalise the draft report	To publish it	
Goal 3: Facilitate exchange of information, knowledge and technology	3.1 International workshop/ seminar	Workshop Proceedings	Workshop		Workshop		
Goal 4: Enable cross disciplinary and inter-sectoral engagement	4.1 Crop – Water – Energy Nexus	Technical report		Workshop		Workshop	
	WG Activity 4.2						

		Outcomes / Outputs	Milestone for Year2017	Milestone for Year2018	Milestone for Year2019	Milestone for Year2020	Milestone for Year2021
Goal 5: Encourage research and support development of tools to extend innovation into field practices	WG Activity 5.1						
Goal 6: Facilitate capacity development	6.1 Crop Water Models	Conduct Training Workshops	Training Workshops		Training Workshops		

A. Members and their attendance at 2014 and 2015 Meetings

Sl. No.	Members	Member from (Year)	2014		2015		Remarks
			Self	Contributed by mail	Self	Contributed by mail	
1.	Vice President Hon. Dr. Ragab Ragab, Chairman (UK)	2007	•		•		
2.	VPH Laurie C. Tollefson, Vice-Chairman (Canada)	2009	•		•		
3.	Dr. K. Yella Reddy, Secretary (2010) (India)	2009	•		•		
4.	Dr. Koji Inosako (Japan)	2010	-		-		No contribution during 2014-2015. Recommended for discontinuation.
5.	Prof. Dr. Mohd Amin Mohd Soom (Malaysia)	2011	-			•	Contributed in 2015
6.	Dr. Magdi T. Abdelhamid (Egypt), Provisional Member	2011	-		-		WG extended his membership till 2016
7.	Mrs. Gao Hong (China)	2012	-			•	Contributed in 2015
8.	Dr. Marco Arcieri (Italy)	2014	•		•	•	Contributed in 2016
9.	Prof. Dr. Allah Bakhsh (Pakistan), Provisional Member	2015	-		-	•	Paper contributed in 2016
10.	Ir. Adang Saf Ahmad (Indonesia), Provisional Member	2015			-		Accepted as Provisional Member
11.	Dr. P. Soman (Direct Member), Provisional Member of JISL	2015			-		Accepted as Provisional Member
12.	Secretary General, ICID						
Permanent Observers							
1.	FAO representative						
2.	Mr. Herbert H. Van Lier, CIGR						
3.	Prof. D. Wrachien (Italy)						
4.	ICRISAT representative						
Observer							
1.	Mr. Syaiful Mahdi (Indonesia)	2015			•		Accepted as an Observer

B. New nominations received from the National Committees

Sl. No.	Name	Country	Remarks
1.	Dr. Nader Heydari	Iran	Recommended by Chair, subject to his presence or/else Provisional Member
2.	Dr. Wu Di (China) as Young Professional	China	Recommended by Chair, subject to his presence or/else Provisional Member



