

DRAFT MINUTES OF THE SIXTH MEETING OF THE
WORKING GROUP ON IRRIGATED AGRICULTURE UNDER
DROUGHT AND WATER SCARCITY (WG-IADWS)
Montpellier, France
16 September 2003 : 14.30-17.30 hours

Members Present : (1) Dr. S. Nairizi, Chairman (Iran); (2) Dr. G.R. Backeberg, Vice Chairman (South Africa); (3) Mr. F. Dimick (USA), Secretary represented by Mr. Joseph Burns; (4) Dr. Ragab Ragab (Great Britain); (5) Dr. S. Szalai (Hungary) represented by Dr. Laszlo Vermes; (6) Mr. A. Villocel (France); (7) Dr. D.K. Paul (India) represented by Mr. R. Jeyaseelan; (8) Mr. Masakuni Kawamata (Japan) represented by Dr. Ogino; (9) Mrs. Mu Jianxin (China); (10) Dr. Hussein El Atfy (Egypt); (11) Dr. Pulatkhon Umarov (Uzbekistan); (12) Mr. Anthony John Horton (Australia); (13) Mr. G. Ghinassi (Italy).

Permanent Observers : (i) Prof. L. Vermes (European Work Team on Drought of European Regional Working Group); (ii) Dr. M. Bazza (FAO) represented by Ms. Saha Koo-Oshima.

Observers : (i) Mr. Maurice Roos (USA); (ii) Dr. Abouloulaye Dembele (Mali); (iii) Dr. Jean Marcel (Canada); (iv) Dr. Jean Marcel Laferriere (Canada); (iv) Mr. Giuseppe Provenzano (Italy); (v) Mr. Z. Popova (Bulgaria); (vi) Dr. Jose A. Ortiz (Spain).

Item 1 : Confirmation of the minutes of the 5th meeting of the Working Group

The minutes of the 5th meeting of the Working Group held in Montreal, Canada, were confirmed.

Item 2 : Review of the membership of the Working Group

Mr. Hassani Mostafa, a nominee of Moroccan National Committee (ANAFID) and Prof. F.A. Adeniji, a nominee of Nigerian National Committee (NINCID) were neither present nor represented at the meeting. Their nominations for membership were postponed till next meeting. Mr. Graziano Ghinassi nominated by the Italian National Committee (ITAL-ICID) introduced himself and his membership was accepted.

A new nomination from Canadian National Committee (CANCID) to replace Dr. Chandra Madramootoo is still awaited.

Dr. D.K. Paul replaced Dr. B.R. Sharma as a representative of Indian National Committee (INCID) as did Mr. Watanabe for Mr. Kawamata of Japanese National Committee (JNC-ICID).

The Central Office had requested new nominations to replace Dr. A.F.M. Saleh (Bangladesh), Mr. Alfredo Zeloka Valdez (Mexico) and Prof. R.P. Serralheiro (Portugal) from their respective National Committees. Their responses are still awaited.

A. CONTINUING ITEMS

Item 3 : Review of progress by coordinating countries about sub-theme activities of the Working Group

Sub-Theme No. 1

Dr. Abdul Majeed (Pakistan) was assigned the tasks of Sub-Theme 1 during Montreal (2002) meetings. In absence of response from him, Dr. Majeed was replaced by Mr. Anthony Horton from Australia. Mr. Horton accepted to follow up the tasks for sub-theme 1.

Sub-Theme No. 2

Dr. D.K. Paul (India) had replaced Dr. B.R. Sharma during this meeting. Dr. Paul may get feedback from Dr. Sharma on past activities under sub-theme 2 and take up outstanding tasks.

Sub-Theme No. 3

A comprehensive report on an international literature review of the social, economic and political impacts of drought will be circulated among WG members with request to send comment by end of January 2004. A synthesis by Mr. M.F. Villjoen (South Africa) will be circulated as soon as possible. Further, WG members were informed that a Workshop on Country Experiences regarding Drought Management Policies is being planned for 2004 in South Africa. First draft announcement for the workshop may be circulated as soon as possible.

Sub-Theme No. 4 & 5

Dr. Hussein El Atfy (Egypt) reported that papers by Dr. Ragab on weather forecasting and utilisation of non-conventional water resources have been distributed. A workshop on "Technologies to Save Water" is being planned during the conference of the Africa Regional Working Group in 2004. First draft announcement for the workshop may be circulated as soon as possible.

Item 4 : Compilation of the "General Questionnaire on the Water Status of ICID member countries"

The Chairman gave an overview of the completed questionnaires submitted by India, Hungary, Uzbekistan, Lithuania, Australia, South Africa and Iran. Members who completed the questionnaire were sent tables to fill in any missing data/information. Other members were requested to complete the full questionnaire by January 2004. The questionnaire can be accessed at www.wg-iadws.icidonline.org.

Item 5 : Co-ordination with other Working Groups

(A) With European Regional Working Group (ERWG)

Prof. Dr. Vermes, Vice Chairman (Hungary) gave a brief report of the ERWG Work Team on "Drought Mitigation Strategies". Three presentations were made at the EWTDRDRO meeting as below :

- 1- Information on the work of the UNCCD and on the group of the experts.
- 2- First progress report on updating the World Atlas of Desertification.
- 3- Development of the European Drought Sensivity Map – present situation and future possibilities.

The Chairman will apprise WG members soon after receiving more details from ERWG.

(b) With WG-CROP and WG-PQW

Dr. Ragab requested cooperation from the WG-IADWS to develop Guidelines for Crop Production under Water Limiting Conditions. The following members were nominated for various topics as below :

1. Food production under limited water supplies: Italy & China

2. Remote sensing: Spain & Japan
3. Non-conventional water resources: Iran.

Item 6 : Involvement of Young Professionals

The President of ICID requested all the Young Professionals to get involved in at least one Working Group in order to activate the WG tasks. WG members may report to Chairman about involvement of Young Professionals in their activities.

Item 7 : Follow-up of the Guidelines on “How to work out a Drought Mitigation Strategy” and feedback

Members were encouraged to implement these Guideline and send feedback to the Chairman with a copy to Central Office. The Guidelines are available on www.wg-iadws.icidonline.org for review and subsequent implementation.

Item 8 : Review of progress on implementation of ICID Strategy on Vision

A workshop on “Rain Water Harvesting and its Utilization for Sustainable Agriculture in Water Scarcity Regions” has been planned during the Moscow meetings in 2004. A call for papers has been distributed to all members. Members were encouraged to participate in this workshop by sending appropriate papers to the organizing committee.

Item 9 : Activity plan - Rolling Plan

The activity plan has been updated and placed as **Annex 1**.

Item 10 : Workshops organized by WG-IADWS

Two workshops, namely, (i) “Drought Management Strategies” at Tehran (Iran) during 13-14 July 2003 and (ii) “Drought Management Strategies in Different Countries” at Montpellier (France) on 16 September 2003, were held during 2003.

A Workshop on “Rain Water Harvesting and its Utilization for Sustainable Agriculture in Water Scarcity Regions” will be organized during Moscow meetings in 2004. Ms. Sasha Koo-Oshima (FAO) elaborated on organizing this workshop.

Item 11 : Publications in Progress

Two new publications i.e. “Drought Management Strategies in South Africa : Policy Requirements and Research Support for Irrigated Agriculture” and “How to work out Drought Mitigation Strategy” can be accessed on the website and papers presented at the Montpellier workshop will be posted by Chairman.

Item 12 : IADWS – Newsletter

The WG-IADWS had published a Newsletter in March 2003 and the next edition is planned to be published in October 2003. Members are requested to send news items and activities to be published in the Newsletter.

Item 13 : Interim meeting

An interim meeting of WG-IADWS was held on 13 July 2003 in Tehran, Iran. The minutes have been circulated by Dr. V. K. Labhsetwar (ICID Central Office) on 6 September 2003 to all WG members. This meeting was found very useful by all participants and will be continued in future.

Item 14 : Website of the WG-IADWS

The Chairman gave an overview of the website of the WG-IADWS (<http://www.wg-iadws.icidonline.org>). All members were requested to send a colour photo and brief description of their professional activities and e-mail addresses to be included in the website to the Chairman with intimation to Central Office.

Item 15 : Cooperation with other International and Regional Organizations

A memorandum of understanding has been agreed with the FAO (**Annex 2**) through interaction between the Chairman and Dr. M. Bazza of FAO Regional Office for the Near East (FAORNE). So far the Chairman could not contact Dr. Sivakumar of the WMO. The Chairman will continue his efforts in this regard and will be assisted by Central Office of ICID.

B. NEW ITEM

Item 16 : Issues emerging from 3rd World Water Forum

The WG members took note of the Ministerial Declaration and Session Reports from 3rd World Water Forum at Kyoto, Japan.

Item 17 : Any other business (with the permission of the Chair)

Annex 1

**WORKING GROUP ON IRRIGATED AGRICULTURE UNDER DROUGHT AND
WATER SCARCITY (WG-IADWS)
Action Plan for Sub-Themes 1 to 6**

Themes No:	Co-coordinating country / Task Coordinator	2002 –2003	2003 –2004	2004 –2005	2005 -2006
1. Survey of publications on irrigation under condition of drought and water scarcity	Australia/ Mr. A. J. Horton	<ul style="list-style-type: none"> • Appoint a task coordinator and start survey. 	<ul style="list-style-type: none"> • Continue survey and submit the progress report at the WG meeting in 2004 	<ul style="list-style-type: none"> • Continue the survey and submit the result to ICID Bibliography by consulting the chairman and presenting at WG meeting in 2005. 	<ul style="list-style-type: none"> • Publish the final report.
2. Develop select appropriate indices to describe and quantify the implications of drought and aridity in relation to agricultural, ecological, social, economic and political issues.	India/ Dr.D. K. Paul	<p>Contact member countries to prepare a country report on the following subjects.</p> <ol style="list-style-type: none"> 1. Local indices for drought. 2. Frequency and severity of drought occurrence. 3. An estimate of drought damages in following sectors. <ul style="list-style-type: none"> • Agriculture • Ecology • Urban and rural communities. • Socio-political issues. 4. Review of the contributions received from different member countries. 5. Prepare a progress report on the subject to be presented at the WG meeting in 2002. 	<ul style="list-style-type: none"> • Prepare an overall report for all member countries • Revise the draft according to the comments received, workshop held at Montpellier and present the result at the WG meeting in 2004. 	<ul style="list-style-type: none"> • Organize a panel of experts to finalize report on the subject. • Final report to be submitted at the WG meeting in 2005. 	<ul style="list-style-type: none"> • Publish the final report and disseminate the publication.

Themes No:	Co-coordinating country / Task Coordinator	2002 –2003	2003 –2004	2004 –2005	2005 -2006
3. Develop guidelines for- <ul style="list-style-type: none"> Assessment of drought on irrigated agriculture Development of policies and management strategies for various drought and water scarcity situations. 	South Africa/ Dr. Gerhard R.	<ul style="list-style-type: none"> Comments on the draft document by the member countries. Launching research on the topics by member countries or appropriate organization. Continue activities related to the workshop preparation. Hold the workshop at IEC Meeting in 2003. 	<ul style="list-style-type: none"> Continue the compilation of the comments received from the members contries on the draft documents. A preliminary report and framework for the final report will be prepared by Dr. Backeberg to be presented at WG meeting in 2004. 	<ul style="list-style-type: none"> Appoint a panel of expert to review and prepare the final report based on the workshop outcome and the preliminary report prepared by WG members Seek contribution for publication of the report. The Final document will be presented at the WG meeting in 2005. 	<ul style="list-style-type: none"> Publishing the final guideline in co-operation with contributing organization.
4. Investigate the application of long-term weather forecasting for drought prediction and economic viability of drought early warning systems.	Egypt/ Dr. H. El Atfy in cooperation with Dr. R. Ragab	<ul style="list-style-type: none"> Make an Inventory of current methods available to predict drought and implementation of drought early warning system. Present a progress report at the WG meeting in 2003. 	<ul style="list-style-type: none"> Initiate contact with FAO, IWMI, WMO, International Panel on Climate Change (IPCC), and augment the available finding of the past half-century. Prepare the outlines of a draft publication by the Working Group, to be presented at the WG meeting in 2004. 	<ul style="list-style-type: none"> Prepare and publish draft document on drought prediction. Distribute it among the interested parties and solicit their views and suggestions. Present the final report at the WG meeting in 2005. 	<ul style="list-style-type: none"> Publish the final document and present at the WG meeting in 2006.

Themes No:	Co-coordinating country / Task Coordinator	2002 –2003	2003 –2004	2004 –2005	2005 -2006
Investigate and report on suitable technologies and agro-irrigation practices for the utilization of non-conventional water resources under conditions of drought and water scarcity.	UK/ Dr. R. Ragab in cooperation with Dr. H. El Atfy	<ul style="list-style-type: none"> Decided on the appropriate research topics and potential contributor at WG in 2003 meeting. The results of this year activities and conducted researches will be presented in 2003 WG meeting. Compiled the information to be presented in this meeting. 	<ul style="list-style-type: none"> Collect information concerning the use of fog, dew, cloud seeding, polymers in soil and other technologies for the utilization of unconventional water resources and reduction of water losses. Continue research activities and present results during WG meeting in 2004. Appoint a panel of expert in this meeting to conclude and provide a state-of-the-art of subject. 	<ul style="list-style-type: none"> The panel of experts in collaboration with Dr. R. Ragab and the Chairman will provide the final document to be presented at WG meeting in 2005. 	<ul style="list-style-type: none"> The outcomes of these sub-theme activities will be published and disseminated within concerned countries.
Dissemination of products of this Working Group.	Iran/ Dr. S. Nairizi	<ul style="list-style-type: none"> Co-coordinating with sub-theme activities. Organizing interim and workshop in Tehran. Preparing a workshop to be held in Moscow with collaboration of FAO. 	<ul style="list-style-type: none"> Co-coordinating with sub-theme activities and organizing panel of experts. Holding workshop at Moscow 2004 jointly with FAO. 	<ul style="list-style-type: none"> Co-coordinating with sub-theme activities and panel of experts. 	Publishing and dissemination of products of the WG.

DRAFT NOTE FOR COOPERATION BETWEEN WG-IADWS AND FAO

The Working Group on Irrigated Agriculture under Drought and Water Scarcity (WG-IADWS) held its 5th meeting on July 23 2002. It includes 19 members from different countries and seven observers including WHO and the World Bank. Martin Smith from FAO AGLW and the Reporting Officer (RO) participated to the meeting following the extension of an invitation by the Group Chairman, through FAO Representation in Iran.

The RO made a presentation of FAO programme related to the WG activities, notably irrigation and water demand management under water scarcity, wastewater treatment and reuse and drought mitigation as a priority area during the current biennium. FAO recent events and achievements as well as future activities related to the subject were explained, with a view of linking with the objectives of the WG and common areas between FAO and the Group. The WG requested FAO to become Observer, in addition to WHO and WB, and to provide assistance to the Group where possible. Considering FAORNE current work plan and the WG framework of action for the coming years, the following were agreed to:

1. Information on future events organized by FAO and of relevance to the WG will be sent to the Group Chairman for diffusion to its members who may consider participation. These include in particular the upcoming Expert Meeting on Drought Mitigation Preparedness, planned to be held in Morocco in November 2002 and similar events on wastewater reuse and water demand management planned for the year 2003.
2. The WG has prepared a "General Questionnaire on Water Status of ICID member countries" and is expected to complete the collection of data in the course of the coming year. FAO and the WG will cooperate through exchange of the data collected through this questionnaire and AQUASTAT once the data collected by both parties is cleared for circulation. This will allow cross/double checking of the data and completion of missing information from both sides.
3. The WG member countries are expected to develop drought mitigation strategies for their countries, within the framework of their work plan for the coming year. As FAORNE is doing the same in countries of the region, the two parties will exchange information on the subject and will study the possibility of organizing joint events in the future for assisting member countries develop their strategies/action plans.
4. The WG is considering the organization in member countries of national workshop on Drought Management Strategies. If they materialize, the output of such workshops will be made available to FAO for supporting their implementation.
5. The WG is considering the organization of a workshop in parallel with ICID IEC Meeting, planned to be held in Montpellier, France, in September 2003. The WG requested FAO support and participation in the Workshop. The WG Chairman will send additional information to FAORNE for assessing the possibility of FAO participation.
6. Organization by the WG of a Workshop on Rain Water Harvesting and its Utilization for Sustainable Agriculture in Water Scarce Regions. The WG requested FAO support and participation in the Workshop. The WG Chairman will send additional information to FAORNE for assessing the possibility of FAO participation.
7. The WG organized an International Conference on Drought Mitigation and Prevention of Land Desertification in Slovenia, in April 2002. The WG Chairman will send a copy of the conference documents to FAORNE.
8. Possible collaboration between the WG and FAO AGLW for implementing FAO/WHO Roving Seminars on Drought Management. The WG Chairman and Martin Smith from

AGLW agreed to remain in contact for assessing the possibilities of materializing such cooperation.

9. As Observer of the WG, FAO will be continuously informed of the activities of the WG. In return, FAO will provide the WG with information relevant to its objectives. Efforts will be exercised from both sides to ensure cooperation.