

Agenda for the Twenty-ninth Meeting of the
WORKING GROUP ON DRAINAGE (WG-DRG)
 Tehran, Iran
 16 October 2011: 09.00-12.30 hours
Strategy Theme: Systems

Year of Establishment: 1983

Completion of the Mandate: 2013

Mandate:

- To promote drainage as part of integrated water resources management; and
- To promote sustainable approaches for drainage and related projects through a balanced integration of (1) environmental, (2) economic, and (3) social and cultural aspects.

Members: (1) VP Dr. W.F. Vlotman, Chairman, 2001 (Australia, 2000); (2) Dr. James Ayars, Vice Chairman, 2007 (USA, 2005); (3) Mr. B. Vincent, Secretary (France, 2007); (4) VPH Prof. Dr. B. Maticic (Slovenia, 1987); (5) VPH Dr. M.H. Amer (Egypt, 1988); (6) Mr. I. Dakar (Syria, 1991); (7) Dr. M.S. Adamu (Nigeria, 1992); (8) PH Ir. Keizrul bin Abdullah (Malaysia, 1994); (9) Dr. Chung Sang-Ok (Korea, 1996); (10) Mr. Chen, Hung-Kwai (Chinese Taipei, 1997); (11) Ms. Wang Shaoli (China, 1999); (12) Dr. E. Christen (Australia, 2000); (13) Dr. Mohammad Bybordi (Iran, 2000); (14) Dr. M. Nawaz Bhutta (Pakistan, 2002); (15) Mr. Rauno Peltomaa (Finland, 2002); (16) Dr. (Ms.) Waltina Scheumann (Germany, 2003); (17) Mr. AT van Coller (South Africa, 2006); (18) Ms. Nurgül Üzücek (Turkey, 2006); (19) VP Dr. Shinsuke Ota (Japan, 2006); (20) Dr. H. Fahmy (Egypt, 2006); (21) Dr. Yurii Yanko (Russia, 2006); (22) Dr. Gurbachan Singh (India, 2008); (23) Mr. Mati Tonismae (Estonia, 2010); and (24) Secretary General, ICID.

Permanent Observers/ Observers: (i) FAO Representative; (ii) World Bank Representative; (iii) President Dr. Chandra A. Madramootoo (Canada); (iv) IPTRID Representative; (v) PH. Aly M. Shady (Canada); (vi) PH Prof. Bart Schultz (Netherlands); and (vii) VPH Dr. Safwat Abdel-Dayem (Egypt).

Website: <<http://www.wg-drg.icidonline.org>>

Time schedule of the meeting:

At the outset, Chairman will propose the time allocation for discussing of the Group's agenda as follows:

A. General business	--- minutes
B. Work plan	--- minutes
Tea/ coffee break	--- minutes
C. Presentations/ Workshop / Summary	--- minutes

A. GENERAL BUSINESS

Item 1 : Confirmation of the minutes of the 28th meeting of the Working Group

The minutes of the 28th meeting of the Working Group held at Yogyakarta in October 2010 will be confirmed.

Item 2 : To review the membership of the Working Group

The Iranian National Committee (IRNCID) has nominated Mr. Ardavan Azari in place of Dr. M. Bybordi for the membership of the Working Group. CV of Mr. Ardavan Azari will be tabled at the meeting. The group will consider and accept the replacement for the membership.

Attendance of members at the meetings held in 2009 and 2010 will be circulated at the meeting.

B. WORK PLAN

Item 3 : Activities of the Working Group

3.1 Technologies for reducing polluted drainage water and quality improvement

During the Yogyakarta meeting, neither Dr. M. Bybordi nor Mr. Azim Ashayeri was present (although represented by Mr. Majed Parvan), hence there was no discussion on this topic. The group suggested that Mr. Azim Ashayeri to prepare the presentation for the Tehran meeting and send it to the Chairman well in advance.

The Central Office requested (10 March 2011) Mr. Ashayeri/ Dr. Bybordi to prepare a presentation in consultation with the Chairman Dr. Vlotman and present it at Tehran meeting. In response, M. Akram, Chairman, WG on Drainage and Environment (IRNCID) informed the Chair VP Vlotman/ Central Office that they are going to present two presentations at Tehran meeting viz. (i) Drainage in Iran – a country paper; and (ii) Disposal problems of drainage water in southern Iran.

IRNCID representative/ Chairman will apprise further status at the meeting.

3.2 Updating database on 'Drained area in the world'

At Yogyakarta, the group discussed about the updating database on 'drained area in the world'. The group also proposed that the data required validation from the respective National Committees. It was suggested the Mr. Bernard Vincent will approach the respective regional groups for validation of the data and forward the outcome to the Central Office.

The Central Office in March 2011 requested Mr. Vincent to approach the respective regional groups to validate the reported data so as to update the database for inclusion in the "World drained area" table of the ICID Annual Report (2010-11). Response is awaited.

Subsequently, the Central Office circulated the datasheet "World drained area" to all National Committees and requested them to confirm the data/ amend and provide the updated data pertaining to their country by inserting correction in the table itself. In response, the Central Office has received responses from the National Committees of Brazil, Czech Rep., Japan, Jordan, and Pakistan. The updated datasheet will be tabled at the meeting.

Mr. Vincent/ VP Dr. Vlotman will apprise further status at the meeting.

Item 4 : Workshops/ Special Sessions sponsored by the Working Group

4.1 11th and 12th International Drainage Workshops (IDW)

The 10th IDW was jointly hosted by the national committees of Finland (FINCID) and Estonia (ESTCID) in July 2008. The group at its Yogyakarta meeting proposed that Egyptian National Committee (ENCID) organise the 11th IDW at Cairo in September 2012, and Russian National Committee (RUCID) organise the 12th IDW at Saint Petersburg in June 2014. These proposals were accepted/recommended by the PCTA and approved by the IEC.

The 11th International Drainage Workshop (IDW) will be hosted by the Egyptian National Committee (ENCID) in Cairo from 23-27 September 2012. The main theme of the 11th IDW is "*Agricultural Drainage Needs and Future Priorities*" under which six topics and 27 subtopics will be addressed. The first Announcement & Call for Papers of the 11th IDW has been issued and widely circulated amongst ICID National Committees and International Organizations for further dissemination amongst potential participants. In May 2011, Chairman VP Dr. Vlotman circulated the announcement to all members with a request to circulate it amongst interested professionals outside the ICID network. The last date for receipt of abstracts of paper(s) at the workshop secretariat is **01 December 2011**. The workshop website <<http://www.encid.org.eg/idw11>> provides more details on topic/sub-topics, call for papers, venue, exhibition, study tours, etc. A draft listing of topics and sub-topics is shown as **Annex**.

VPH Prof. Dr. M.H. Amer, Chairman, ENCID has invited the international drainage community to join ENCID at this exciting event presenting the challenges, needs and solutions while assuring an enjoyable stay in Egypt. Dr. Amer or ENCID representative will provide further updates at the meeting.

RUCID representative may like to make a brief presentation about the proposed theme, topics and subtopics and other preliminary preparations for the 12th IDW.

It was also decided that ASABE will be approached to examine possibility for a common event at one of these dates. Mr. Vincent was to explore the possibility of common event at one of the two events viz. 11th or 12th IDW.

Members concerned may provide responses, as required.

4.2 Annual Internal Workshop of the Group

The Group has been organizing internal workshops on the sidelines of its annual meetings in which members voluntarily make presentations on the topic of their countries' interest.

VP Dr. Vlotman / Mr. Vincent will apprise updates at the meeting.

Item 5 : Contribution to the website DRAINLINE/ LinkedIn Agricultural Drainage Group

The website of the Working Group on Drainage (WG-DRG) 'DRAINLINE' is fully functional and all members are encouraged to access it <http://www.wg-drg.icidonline.org>. The Central Office requested all members to contribute to the website and provide relevant information viz. books, manuals, technical papers, proceedings of the national/international workshops, interesting pictures, useful links etc. to the Central Office for their possible posting on the website.

Chairman VP Dr. Vlotman has launched an 'Agricultural Drainage Group' via the LinkedIn and invited all members to register and join it. The LinkedIn Agricultural Drainage Group is a professional network and is now open for discussion to all persons. The Central Office requested all members to get in touch with VP Dr. Vlotman for joining 'LinkedIn'. Dr. S.A. Kulkarni, Executive Secretary, CO has posted the 'World drained area' data table inviting all the members of the 'LinkedIn' to check/ provide the drained area of their country. However there has been no response to this endeavor. This shows the non availability and complexity in reporting the drained area. The WG may like to discuss ways and means to proceed further.

Chairman will apprise further updates on 'LinkedIn' at the meeting.

Item 6 : Compilation of experiences in bio-drainage and bio-saline agriculture

The group at its Yogyakarta meeting discussed and debated about the presentations made by Indian National Committee (INCID) on 'Bio-drainage' at the New Delhi meeting in December 2009. It was suggested to invite observations/ comments on the topic of bio-drainage amongst the group members and proposed that INCID representative will take the lead in this activity. During the Yogyakarta meeting, it was also proposed that INCID prepare a detailed plan of action by and circulate it amongst WG-DRG members for their comments.

Central Office has been following up with the INCID to get their feedback. Response is awaited.

C. PRESENTATIONS/WORKSHOP/SUMMARY

Item 7 : Presentations from members/ member countries

Members are encouraged to volunteer for making a presentation related to the activities of WG by contacting the Chairman well in advance of the Tehran meeting.

Traditionally the host country makes presentation on some special aspects related to drainage. This year, the Chairman has requested IRNCID to make such a presentation. Chairman has also written to members to inform about their presentations to be made at the Tehran meeting.

Item 8 : General discussion and summary of the meeting

The Pakistan National Committee (PANCID) has forwarded the progress report of 'PANCID sub-committee on Drainage' compiled by Dr. Muhammad Mahboob Alam, Director General, IWASRI (Pakistan). A copy of the report has been forwarded to the Chairman for information.

WORKING GROUP ON DRAINAGE (WG-DRG)

**11th ICID International Drainage Workshop
23-27 September 2012, Cairo, Egypt**

Theme: Agricultural Drainage Needs and Future Priorities

Topics / Subtopics

1. Planning and Design of Drainage Systems

- 1.1 Integrated planning approach in agricultural drainage
- 1.2 Improved design theories for drainage systems
- 1.3 Subsurface drainage design (applied models)
- 1.4 Development of subsurface drainage design software for large-scale installation
- 1.5 Use of GIS and remote sensing in planning and designing of drainage systems
- 1.6 Non-conventional drainage systems design (biological drainage, controlled drainage, closed basins).

2. Improvement of Drainage Technology and Techniques

- 2.1 Modernization of auxiliary structures (manholes, flushing columns, outlet structures)
- 2.2 Modernization and automation of drainage systems construction
- 2.3 Adaptation of new technologies in the field of drainage investigations and installation
- 2.4 Drain envelopes materials (needs, selection, design, manufacturing and construction)
- 2.5 Practical experience with non-conventional drainage systems (trenchless, biological, controlled drainage systems)
- 2.6 New technology for maintenance of drainage systems (pipe drains, open drains).

3 Drainage Management

- 3.1 Drainage flood management in rainfed areas
- 3.2 Drainage within the concept of integrated water resources management
- 3.3 Institutional aspects of drainage schemes implementation
- 3.4 Public-private partnership in drainage development and management
- 3.5 Sustainable development and modernization of land drainage management.

4 Environmental Aspects and Climatic Change

- 4.1 Impact of climatic change on drainage systems
- 4.2 Climatic change impacts on soil and water quality
- 4.3 Quantity of drainage water
- 4.4 Sea water level rise impact on deltaic areas
- 4.5 Monitoring and evaluation of climate change impact on agricultural drainage.

5. Research Development and Capacity Building

- 5.1 Innovations, technologies and best practices for increasing crops, land productivity and water saving
 - 5.2 Capacity development for modern drainage management
 - 5.3 Research agenda for future land drainage management
 - 5.4 Lessons learned from drainage projects (case studies) towards capacity building
 - 5.5 Capacity development and training for on-farm drainage
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