WORKING GROUP ON DRAINAGE
COMPLETION OF THE MANDATE: 2013
THEME: SYSTEM

Tehran meeting
Sunday 16 Oct, 2011
09:00 - 12:30

WHO WE ARE

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.

Meetings
• Annually at the International Executive Council (IEC)
  Meetings of the ICID. The Working Group usually meets on
  the first or second day, for half a day.
• At our International Drainage Workshops:
  • IDW11: Egypt 2012
  • IDW12 Russia 2014
• Special meetings such as the Special Session on Drainage on 8 December 2009, 09.30-13.15 in New Delhi.
WHO WE ARE

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 to drop-in during our meetings: observers

Activities

• International Drainage Workshops (IDWs)
• Special sessions on Drainage
• Articles in Journals
• Update State of drainage in the World
• Network via LinkedIn
• Have WEB meetings during the year as appropriate

AGENDA

A. General business 09:00
30 Minutes

B1. Work plan 09:20
50 Minutes

B2. International Drainage Workshops
IDW11: Cairo 2012, Dr. Amer
IDW12: St Petersburg, 2014, Mr. Yuri Yanko/Irene Bondarik
Special workshop Adelaide 2012?
IDW..., Mexico, Dr. Luis Rendón Pimentel, email
10:20
40 Minutes

Coffee / Tea break (11:00 – 11:30) 11:30
30 Minutes

C. Presentations 10:45 – 12:30
10 Minutes
A. GENERAL (09:00 - 09:20)

1. Confirmation minutes Yogyakarta

2. Apologies:
   Jim Ayars, USA, Keizrul (Malaysia), Maticic, Keizer bin Abdullah (Malaysia), Dr. E. Christen, Australia, Prof. H. Malano, Safwat Abdel Dayem (Permanent Observers),

3. Review Membership
   • Members to be replaced/terminated
   • New members proposed:
     Helena Aijo, Finland replacing Rauno Peltema who retired

B. Workplan

1. Activities
   • disposal problems of drainage water in South Iran
   • updating database on drainage in the world

2. 11th and 12th drainage workshop

3. Website
   • new post, new registrations
   • invitation to provide statistics on drainage

4. bio-drainage and bio-saline agriculture
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, 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

C. PRESENTATIONS/ WORKSHOP

- IRNCID
- General discussion