**WORKING GROUP ON DRAINAGE COMPLETION OF THE MANDATE: 2019**

**THEME: SYSTEM**

Bali meeting
5/Sept/2019
14:00-18:15

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**Preliminary: REMINDER: MONTPELLIER'S WORKSHOP KEY MESSAGES**

- Dramatic impact of irrigation water allocation reduction strategies on the salt balance of the soil and the of effluent.
- Drainage (process or structure) is key factor of sustainability whatever the irrigation modality.
- To preserve water and soil quality.
- To fulfill subgroups:
  - Dry drainage
  - Biodrainage
  - Non-conventional techniques
  - Wetlands

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**Item 1.2 Membership**

- 2 discontinued (Chinese Taipei, Turkey)
- 2 provisionally accepted
  - Dr. Ratan Chain (India)
  - Dr. Notiki Nosikava (Japan)
- No secretariat
- Special thanks for assistance from HQ

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**Item 2.1 Publications of the WG**

- Ardavan AZARI: Agricultural pilot complex in sought coastal area in Iran
- Dr. Momen Sokik Imanuddin (Indonesia) DRAINMOD model adaptation for developing recommendations to maintain water table in the tertiary block of tidal lowland reclamations areas (A Case Study in Sugihan Kanan under Corn Cultivation)∗
- To follow up
  - Controlled drainage (The Netherlands, Finland)
  - Dry Drainage (China, Iran)
- And also at Saskatoon and Mexico
  - Bio drainage, bio saline agriculture: 1 paper published (G. Singh).
  - (Bio saline = too far from group's expertise; reminder)
  - Controlled drainage: 1 workshop 9 papers * 6 detected in other sessions
  - Wetlands: 3 presentations
Item 3 Updating drainage area database

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Particulars</th>
<th>New Information (area available* latest available)</th>
<th>Million ha</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Irrigated Area</td>
<td></td>
<td>18.63</td>
</tr>
<tr>
<td>2</td>
<td>Drained Area</td>
<td></td>
<td>4.77</td>
</tr>
<tr>
<td>3</td>
<td>Arable and Permanent Crop Area</td>
<td></td>
<td>25.02</td>
</tr>
<tr>
<td>4</td>
<td>Area under Sprinkler irrigation</td>
<td></td>
<td>0.021</td>
</tr>
<tr>
<td>5</td>
<td>Area under Micro irrigation</td>
<td></td>
<td>Nil</td>
</tr>
</tbody>
</table>

Country: Japan

Item 3 updating MTD

No activity

Item 6 14th IDW:

Chair is aware of two serious proposal but still non official

Canada USA conjunctive candidature linking IDW and IDS (as suggested in Saskatoon by the chair)

China, Beijing (IWHR), Wuhan (Wuhan University, state key laboratory on drainage)

Item 7 Urban drainage:

HQ suggestion:

Since urban flooding and its drainage is one of the important aspects of drainage which has direct bearing on life of citizens in urban areas, environment, water quality and to some extent on urban agriculture also so it has been suggested and felt that IDW may also deliberate on the topic of urban drainage. Accordingly, it is proposed to revisit the mandate of International Drainage Workshop (IDW) and explore possibility of including urban drainage etc. also as part of IDW. The group may like to discuss this issue of inclusion of urban drainage in the mandate of IDW at the meeting and provide the recommendation to PCTA

Item 7 Young professionals:

5 Questions

25 trainees

17 pages, no syntheses

15 occurrences of the word drainage, most linked to irrigation + irrigation + drainage, many mentioning necessity for drainage, one (specialist of road drainage) trying to out fall from Wetland

One good idea: to design controlled drainage so that adaptation to climate change would be easy

OTHER ITEMS

Enke Massive Online Open Course (MOOC) "Drainage in Agriculture: controlling water and salt levels in the soil"


Willem's suggestion: drainmod

Internal Worship drainage and nature based solutions