

New mandate of WG SDTA

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13th Oct. 2010, Yogyakarta.



Pictures: Taijiang National Park, Taiwan
(From: <http://np.cpami.gov.tw/>)

Tidal areas, with abundant ecosystems, are important interactive water-land environments.

Issues of Concern:

1. Global Climate Change

- To revisit the past design and operational standards and methods of the existing irrigation and drainage facilities
- To review the progression of natural and constructed wetlands in near shore, estuary, and tidal flat areas
- To better understand the changing tidal area environment by enhanced survey techniques and systematic monitoring programs

2. CO₂ Reduction and Ozone Shield Protection

- Green Power Generation
- Novel innovative designs for multiuse offshore platforms

Goals:

To find a balance between the preservation and development of tidal areas, and thus provide relevant experiences to assist island, developing, and undeveloped countries, feasible strategies of sustainable lowland management to reduce the risk or appropriate exploitation of tidal and ocean energy to reduce carbon dioxide emissions should be formed.

Mandate:

1. To enhance survey techniques and monitoring programs, and apply to collect information about the tidal area environment around the world.
2. To review the progression of natural wetland conservation and constructed wetland development in tidal areas, and identify sustainable management options in tidal areas.
3. To raise awareness of the increasing risk on tidal areas due to global climate change, stimulate discussion on impacts and mitigation, and find a balance between the preservation and development of tidal areas.
4. To join the international dialogue and organize international conferences to promote lowland management and evaluate the feasibility of tidal and ocean energy exploitation under global climate change.
5. To collaborate with other related working groups actively, and to provide relevant experiences to assist island, developing, and least developed countries.

New Work Plan / Future activities

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- 2010: SDTA Handbook is printed and released.
- 2011: Special Issue on SDTA is proposed to be published.
- 2012: Workshop is proposed to be held.
- 2014: Short Courses are proposed to be held in the island, developing, and the developed countries.
- 2015: Special Issue based on new mandate (efforts during 2011-2015) is proposed to be published.

Activity	2010	2011	2012	2013	2014	2015
Publication of Special Issue						
• Determining outline of publication Guidelines	✓	✓				
• Inviting Authors	✓	✓				
• Study and Writing		✓	✓	✓	✓	
• Publication of the Special Issue		✓				✓
• Dissemination of the Special Issue		✓				✓

- Workshop is proposed to be held in 2012
- Short Courses are proposed to be held in 2014

Locations, organizing countries, and themes for the workshop and short course can be discussed during the WG-SDTA meeting. The theme should be based on the new mandate of SDTA, including but not limited to:

- Natural wetland conservation and constructed wetland development in tidal areas
- Sustainable management and lowland management in tidal areas
- Preservation and development of tidal areas
- Feasibility of tidal and ocean energy exploitation under global climate change
- Case study

• Plan for workshop and short course

Activity	2010	2011	2012	2013	2014	2015
Workshop						
• Determining subject of workshop		✓				
• Hold the workshops			✓			
• Prepare workshop results for inclusion in guidelines				✓		
• Post on ICID Website for review and feedback				✓		
Short Courses						
• Determining subject of short course		✓				
• Determining leader of each course		✓				
• Study and Preparing			✓	✓	✓	
• Hold the short courses					✓	
• Prepare short courses results for inclusion in guidelines						✓
• Post on ICID Website for review and feedback						✓

~ Thank You ~