

## **A. Division name: IAHR Hydro-Environment Division**

Committee name: Committee on Water Resources Management

Reporting period: January ó December 2010

## **B. Mission statement / Long range objective**

The objective of the water resources management Committee of IAHR is to improve understanding about the linkages between water-related decision-making, society and the environment. These scientifically based results have to be transferred to the water management institutions and companies, which requires an intensive co-operation between scientists and managers to ensure sustainable water use. The concept of sustainability which is widely used in international declarations and documents is highly appealing, but it needs further analysis to develop an operational concept appropriate for daily water management. The Committee for Water Resources Management has therefore adopted, as a primary long-range goal, to promote the use of advanced technologies to address problems of environmentally sound water resources management, and has committed itself to encourage interdisciplinary approaches in hydraulic engineering with special regard to ecological concerns. Moreover, the Committee wants to promote the adoption of appropriate methodologies for developing countries by education and by training.

## **C. Committee Membership**

1. Number of committee membership:

Secondary affiliation: 939

2. Leadership Team:

### **- Chair**

**Dr. P P Mujumdar**

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### **- Vice Chair**

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### **- Members**

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3. Name and composition of Working Groups

**D. Affiliation with other professional associations**

Affiliation with international programmes

**E. Report on activities in reporting period**

1. Committee meetings

Leadership Team meeting at Seoul National University, Korea on April 24, 2010.

The following members were present :

**Pradeep Mujumdar (Chairman), Young-Oh Kim (Vice Chairman), Carlos Oliveira GALVAO, Philippe GOURBESVILLE, Satoru OISHI, Ramesh S.V. TEEGAVARAPU**

2. Specialty conferences

- 2010 International Workshop on Water Resources: Impacts of Climate Change & Adaptation

1) Date: April 23, 2010

2) Venue: Bldg. 35, Rm.223, Seoul National University, Korea

3) Hosted by IAHR-WRM (Water Resources Management)

4) Organized by CCAPH-K (Climate Change Assessment & Projection for Hydrology in Korea)

5) Appx. 100 Participants

6) Program

Speakers	Contents
<b>Pradeep P. MUJUMDAR</b> (Indian Institute of Science)	Constraining Uncertainty in Hydrologic Drought Projection under Climate Change using a Nonstationary Downscaling Relationship
<b>Carlos Oliveira GALVAO</b> (Federal Univ. Of Campina Grance)	Assessment of Impacts of Climate Change on Water Resources and Adaptation Strategies: A Case Study in the Brazilian Semiarid
<b>Deg-Hyo BAE</b> (Sejong Univ.)	Climate Change Impact Assessment on Water Resources
<b>Satoru OISHI</b> (Kobe Univ.)	Study on Controlling Small-Scale Rainfall Storage for Preventing Urban Inundation and Securing Water Resources during Earthquake Disaster
<b>Philippe GOURBESVILLE</b> (Univ. of Nice-Sophia Antipolis)	Adaptation to Potential Rainfall Reduction in North Algeria: Methodology and Strategy Definition
<b>Ramesh S.V. TEEGAVARAPU</b> (Florida Atlantic Univ.)	Sustainable, Climate-Change Sensitive and Adaptive Hydrosystems Management and Hydrologic Design: Issues and Approaches
<b>Boosik KANG</b> (Dankook Univ.)	Climate Change Impact Assessment & Policy Strategy on Water Resources in South Korea

3. (continuing) education activities

workshops, training seminars, courses, etc.

4. Working Group meetings and output

5. Publications: proceedings; papers for IAHR Journals; state-of-the-art papers; monographs; books

Special Section entitled, "Climate Change and Water Resources" in *Current Science*, **Vol. 98 No. 8, 25 April 2010** ( available online at <http://www.ias.ac.in/currsci/25apr2010/25apr2010contents.htm> ), **Indian Academy of Sciences**.

The special section consisted of peer reviewed papers contributed by IAHR Water Resources Section members.

6. Contacts with other organizations

7.- Other activities.

**F. Short range plans (1 to 2 years)**

-activities related to next IAHR World Congress

1. A special session in the 34<sup>th</sup> IAHR Congress to be held in Brisbane Australia. Proposal has been sent to the organisers. The theme of the special session proposed is , "Climate Change Sensitive Sustainable Water Resources Planning and Management"

2. LT meeting on the sidelines of the Congress, on Sunday, June 26, 2011.

- specialty conferences
- (continuing) education activities
- working group activities
- publications

A monograph on the broad theme of climate change adaptation is being planned;

- contacts with other organizations
- other activities.

We propose to hold a video/online conference of the members of the committee within the next one or two years.

**Remarks**