

**8th Meeting of the GEOSS AWCI ICG and the 1st AWCI
Climate Change Assessment and Adaptation (CCAA)
Study Workshop**

Seoul, South Korea, 6-8 October 2011

Water Quality Group Report

**Bilqis Amin Hoque, Co-Chair
Water Quality Group**

Activities

- Advocacy
- Proposals—APN, JAXA,
- Demonstration Research Projects
- Capacity building efforts at AWCI, UNU and national levels
- Thanks to Professor Koike, AWCI and other colleagues

Activity 1: Demonstration Project in Vietnam

- A design of a Vietnam-Japan cooperative research on sustainable water management of the Houg River and the Hue city (with integrated Flood and WQ monitoring)
- Ongoing
- Professor Furumai, Prof. Koike and Vietnam Scientists

Activity 2: WQ Demonstration Project in Bangladesh

- Objective: To observe selected WQ parameters in groundwater and surface water sources and its associations with water use for drinking, domestic and irrigation purposes
- Study Area: Coastal rural areas in Ramgoti and Shamnagar sub-districts
- Started on: 2008
- Investigators: Bilqis Amin Hoque and Ashfakul Islam
- Funded by: EPRC

Activity 3 . Proposed to APN

APCP Proposal to APN: Passed First Stage

- **Title: Comparative study on monitoring scheme of river water quality taken in consideration of water balance among different watersheds in Asia**
- Proponent: **Prof. Hiroaki FURUMAI**
- (i) **Prof. Bilqis Amin Hoque**; Environment and Population Research Centre (EPRC) and Uttara University, Bangladesh, (ii) **Dr. Dang Ngoc Tinh**; Deputy Chief of Northern Hydrological forecasting Division, Vietnam, (iii) **Prof. Syahril Badri Kusuma**; Faculty of Civil and Environmental Engineering of ITB, Indonesia, (iv) **Mr. Kedar Kumar Shrestha**; Department of Irrigation, Nepal, and (v) **Prof. Toshio Koike** (Team Leader AWCI), Tokyo University.

Objective

- to conduct an integrated and comparative study on water quality (WQ) standards and monitoring scheme for pollution control among 4-5 river watersheds in Asia.
- Over 2 years period

Main Activities under the Proposal

- Comparison of WQ management and pollution control policy among different countries in Asia
- Gathering the WQ monitoring scheme (monitoring point, parameters, frequency etc.) in each country.
- Trend analysis of river flow and WQ from the aspects of watershed water balance and influence of climate change
- Demonstration of wet weather WQ monitoring water-related health risk during flood conditions
- Organization of workshop on water quality monitoring scheme and development/submission of the report

Activity 4: Proposing to this Forum

- A Capacity Building Workshop on: “ Water Resources Monitoring Using GIS and Remote Sensing ” in 2012
- Venue: Bangladesh
- Collaborators: GOB., Uttara University, EPRC, Tokyo University? Professor Herath? And others ???

Thank you