



AWCI Water Quality Group Reporting

Outline of the Presentation

- **An overview**
- **Ongoing activities**
- **Planned activities and discussions**

An Overview of selected issues which were identified by 8 countries in Bangkok

Activities	Status
1. Recognition of water quality	1. Yes
2. Public education and awareness	2. Not yet
3. WQ strengthening: training, capacity building, monitoring, mapping, etc	3. Not yet
4. Integration and coordination of WQ among different sectors of water related issues (floods, droughts, IWRM)	4. Within the group. Not yet intra-group
5. Access to satellite and in-situ data by the stakeholders in countries and in the region; creating a regional database.	5. Not yet

Ongoing Activities

- **Professor Furumai's Hue project focusing on flood simulation and WQ monitoring in the Citadel area.**
- **Professor Bilqis's study on 'Droughts and water quality in drinking water management'. The first Phase will be completed in 2012 September.**
- **The WQ proposal by Professors Furumai, Bilqis and WQ Group to APN ARCP 2011 programme is awaiting response soon.**

Demonstration project Huong river, Vietnam

- **Evaluation of effects of river flow/floods in the Hue city using the distributed hydrological model (DHM), currently the Citadel area.**
- **Evaluation of inundation in the urban area using the output of DHM and the urban sewerage system model, considering water pollution phenomena.**
- **Estimation of possible risk of spreading of pathogens due to the polluted water flooding in the city using the risk assessment model**
- **In the next rainy season - plan to conduct wet weather monitoring including sampling during inundation.**

Droughts and water quality in drinking water management

- **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**

Comparative study on monitoring scheme of river water quality taken in consideration of water balance among different watersheds in Asia

Proposal to APN ARCP programme

Goal:

- To conduct an integrated and comparative study on WQ standards and monitoring scheme for pollution control among 4-5 river watersheds in Asia.

Objectives:

- Collection and integration of long-term monitoring data of water quality in a most important river watershed in each country
- Making a prototype of water quality data-platform assisted by watershed characteristics data
- Scientific interpretation of water quality trends considering watershed water balance and possible influences of global climate change.
- Conducting wet weather WQ monitoring survey as a demonstration case study in Hue City in Vietnam.

Planned/proposing for discussions

- 1.** The capacity building needs matrix has been questionably weak in WQ. Please; revisit it.
- 2.** Few organizations in Bangladesh is interested to undertake a local capacity building workshop by disseminating the second phase among related governmental and non-governmental organizations. Requesting for Prof., Koike's support. The local costs may be managed locally.
- 3.** Professor Bilqis is conducting a project on 'Bridging gaps between Science and Poetry on Climate Change Mitigation in Environmental Perspectives' . It includes data collection from science, poems and satellite images. Interested colleagues may contact her.



Thank you