



# **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**

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



# 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



# 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***