

# NSFC-JST Bilateral Workshop on Environmental Impact Assessments and Protection Technologies for Watershed & Ecosystems Sustainability

16-17 May 2006

## **Sponsored by**

National Natural Science Foundation of China (NSFC)  
Japan Science and Technology Agency (JST)

## **Organized by**

Key Lab. of Water Cycle & Related Land Surface Processes  
Institute of Geographic Sciences & Natural Resources Research(IGSNRR),  
Chinese Academy of Sciences

## **ANNOUNCEMENT**

### 1. Background

Rapid population growth and an expanding scope of human activities lie unsustainable industrialization and urbanization that began in the latter half of the 20th century gave rise to a wide variety of watershed issues on local, regional, and global level (= Global scale). Particularly, water quality of river, sea, or underground is getting worse and facing serious pollutions. In most river basins that are short of water resources, serious environmental problems related to water arose with society and economy developing rapidly, the water use in life and production, especially, the water use in production occupies the most part of the water use amount, thus, the water use in ecological system is not enough, which leads to an unsustainable watershed ecosystems. How to mitigate the increasing watershed crisis is a scientific, technological and managerial challenge.

To improve the environmental impact assessment capacity to watershed ecosystems and relative conservation technologies, sponsored by NSFC and JST, a China-Japan bilateral workshop will be held in Beijing, 16-17 May 2006 to disseminate the methodology, experience and knowledge gained in both countries to researchers and the relevant government agencies to each other and elsewhere, so that all can benefit from the specific findings and methodology in dealing with watershed crisis.

All participants will be invited, they include personnel from government environmental protection agencies and researchers from China and Japan. The total number of attendees is 30.

## 2. Goals of the Workshop

Establish effective Environmental Impact Assessments and Conservation Technologies for sustaining Watershed Ecosystems, Focus on water-material circulations or ecosystem mechanisms on watershed such as river, basins, wetlands, coasts, gulfs, or sea, by fully utilizing state-of-the-art environmental monitoring, assessment, simulation, or conservation technologies of Japan and China.

## 3. Topics

- ✧ *Water Cycle & Ecosystem in Basin System*
- ✧ *Ecosystem & Environment of Estuarine, Coastal and Sea*

The main content is as following:

Advanced technologies for monitoring hydrological & material cycle and ecosystem changes related to the impacts from unsustainable agriculture, aquaculture, industrialization or urbanization and analyze the environmental/socio-economic mechanisms; Advanced technologies for predicting and assessing environmental impacts or mutual influences between environment and socio-economic activities; Advanced technologies for Low Environmental Impacts utilization, environmental remediation, conservation, or restoration; Study on water-material cycle and ecosystem changes of various river basins or watersheds.

## 4. Workshop Venue

Conference Hall, Foreign Experts Building Beijing (FEBB),  
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## 5. Workshop Program (See Appendix)

## 6. Contacted Persons

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