

# Introduction

## IWRM Workshop2 for the 3<sup>rd</sup> NARBO General Meeting

**Managing Assets and Risks  
in Sustainable Improvement of Water Resources Infrastructures**

**21 February 2008**

**NARBO Secretariat**

## Background

1. Problem of too much water / too little water by seasonal changes of the climate.
2. The upper reaches of river basins :
  - Steep & geologically vulnerable to volcanic eruptions and earthquakes
  - Sediment disasters such as erosion, landslides, debris flow
3. The lower reaches of river basins :
  - Flood-prone alluvial plains
  - Lethal impacts on socio-economic activities, specifically human lives and assets
4. Water demand is projected to increase with continued economic development
5. Disaster risk increases concurrently as more people and assets are accumulating

## Background

**The development and sustainable management of water resources infrastructures are important.**

## Purpose

- 1. focus on the development and sustainable management of water resources to clarify some directions of the NARBO activities in the next period.**
- 2. introduce performance of new member organizations.**

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## *Keynote Presentation*

1. Keynote Presentation 8:10 a.m. - 8:40a.m. in Opening Program

Title:

Japan's Experiences in Water Resources Management and Some Implications to NARBO Members

Speaker:

Dr. Tsuneaki Yoshida, Professor, the University of Tokyo, School of Frontier Sciences, Department of International Studies, Japan

2. Keynote Presentation 9:20a.m. - 9:50a.m.

Title:

Sustainable Infrastructure and Asset Management

Speaker:

Dr. Kiyoshi KOBAYASHI, professor, Deputy Director, Graduate School of Management, Kyoto University, Japan

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## Panel Discussion

### Title:

“Status & Future Strategies for Managing Assets and Risks  
in Sustainable Improvement of Water Resources Infrastructures”

Moderator: Mr. Bambang Hargono, Jasa Tirta I Public Corporation, Indonesia

### Panelists:

1. Mr. Masahiro SUGIURA, NARBO Secretariat, Japan Water Agency
2. Ms. Zhang Yanjing, Professor, International Research and Training Center on Erosion and Sedimentation (IRTCES)
3. Mr. Harianto, Director, Jasa Tirta I Public Corporation, Indonesia
4. Mr. Akira TERAKAWA, Director, International Center for Water Hazard and Risk Management (ICHARM)
5. Dr. Tetsuya SUMI, Associate Professor. Graduate School of Management, Kyoto University
6. Mr. Hiroyuki NAKAJIMA, Director, Dam Administration Division, Kizukawa Comprehensive Dams Operation and Maintenance Office, Japan Water Agency



## Outcomes(draft) : Directions of Activities

1. NARBO will more powerfully advance the network activities such as sharing of information and experiences, capacity building and institutional development than ever to be able to carry out sustainable improvement and maintenance of water infrastructure and deal appropriately with water related disaster risks arising from flood, drought, **pollution** and debris flow.

## Outcomes(draft) : Directions of Activities

2. Participants recognize that it is essential to comprehend the conditions of socioeconomic development, hydrometeorology, water usage, and water-related disaster due to flood, drought, **pollution** and debris flow in the river basin, and to manage water infrastructure from the view points of the asset management and the water-related risk management for the purpose of improving it effectively and deriving the maximum benefit from its effective utilization and maintenance. We also recognize the necessity of further enhancement of the asset management and the water-related risk management as well. Thus, NARBO will gather the information about fruits of research of them and share it among the member organizations, and advocate an emphasis upon the research and development of the asset management and water-related disaster risk management for IWRM to authorities concerned.



## Outcomes(draft) : Directions of Activities

3. NARBO will continue to support governments and RBOs in improving the enabling environment for IWRM, including policies, legislation, institutional development, and public awareness and participation. NARBO will also continue to facilitate the sharing of knowledge and experience in the development and management of water resources, in priority topics such as water rights, water quality management, and climate change adaptation. NARBO will pilot an advisory service for RBOs in the preparation of integrated *water resources management and* (long-term) investment programs in river basins.

**Thank you for your kind attention**

