

Report of Workshop on "Water"

Organized by two SCA Joint Projects:

- Management of Sustainable Aquatic Environment
- Sustainable Water Resources Management in Asia (new one)

(recorded and Prepared by Prof. Naoyuki Funamizu)

Workshop program

Part 1- Water Management and Reuse

- "Water resources management under climate change and urbanization"
Prof. OHGAKI Shinichiro, the University of Tokyo
- "Sustainable urban water management in developing region"
Dr. FUKUSHI Kensuke, University of Tokyo

Part 2- Wastewater and Water Treatment Technology

- "The application of biological processes in several industrial wastewater in Indonesia"
Prof. Tjandra SETIADI, Institut Teknologi Bandung
- "Pilot-scale membrane bioreactor with intermittent aeration mode for treatment of textile industrial wastewater"
Dr. Chavalit RATANATAMSKUL, Chulalongkorn University
- "Natural and advanced treatment systems for wastewater management at municipal solid waste disposal site in developing countries"
Dr. Chart CHIEMCHAI SRI, Kasetsart University
- "The supply system of safe drinking water using nanofiltration"
Prof. KADOKAMI Kiwao, University of Kitakyushu

Workshop program (cont.)

Part 3- Sanitation

- “Low cost composting toilet for slum area in Asian countries”
Prof. FUNAMIZU Naoyuki, Hokkaido University
- “Development of ecological sanitation system in urban areas”
Prof. LI Zifu, University of Science and Technology Beijing
- “Research activities on sustainable sanitation in LIPI”
Dr. Neni SINTAWARDANI, Indonesian Institute of Sciences

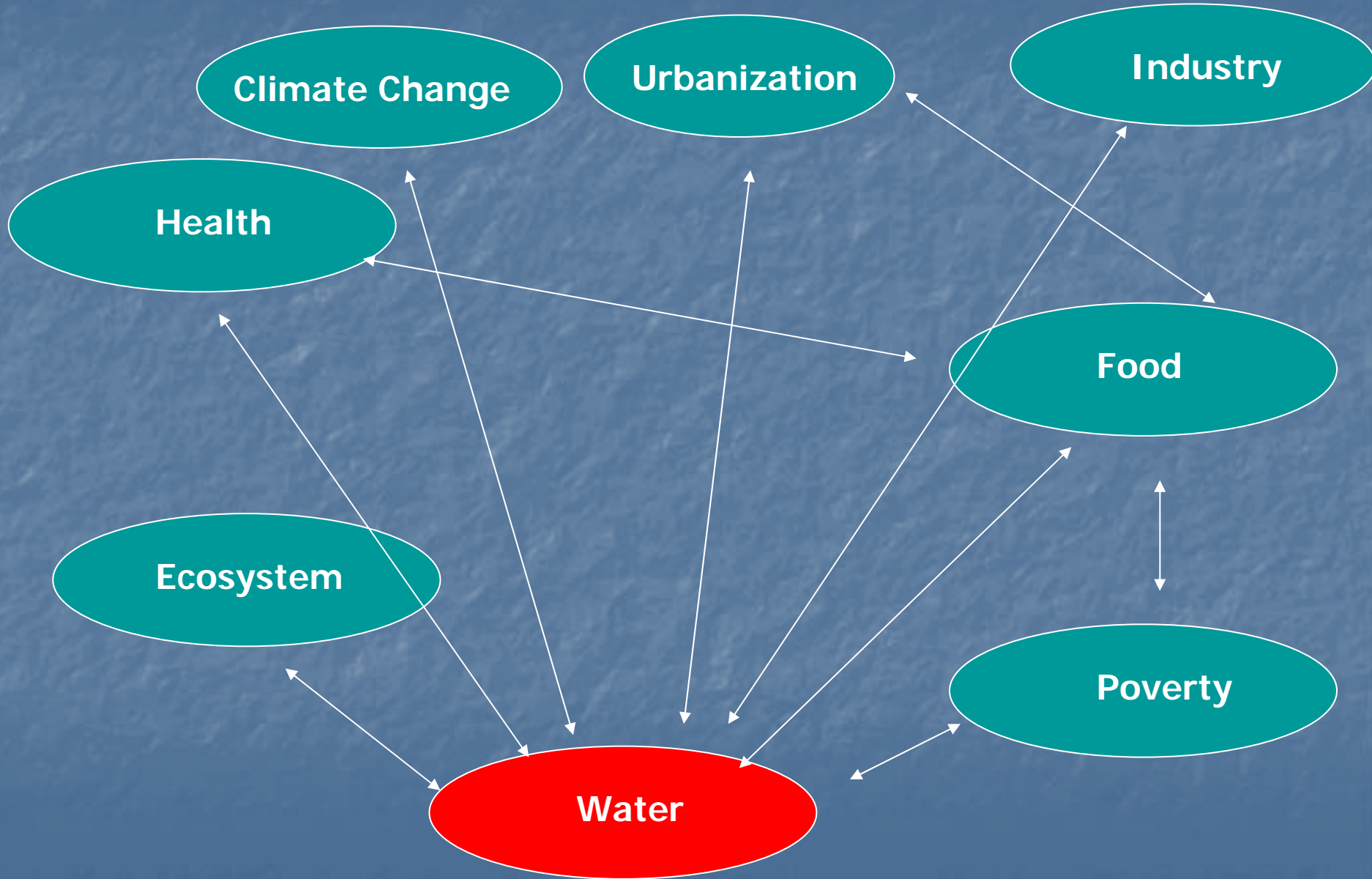
Part 4- Decentralized Water System and River Basin Management

- “Design of a district water and wastewater system under the concepts of DESAR and water metabolism”
Prof. WANG Xiaochang, Xi’an University of Archeology and Technology
- “Difficulties of integrated river basin management”
Prof. KUSUDA Tetsuya, University of Kitakyushu

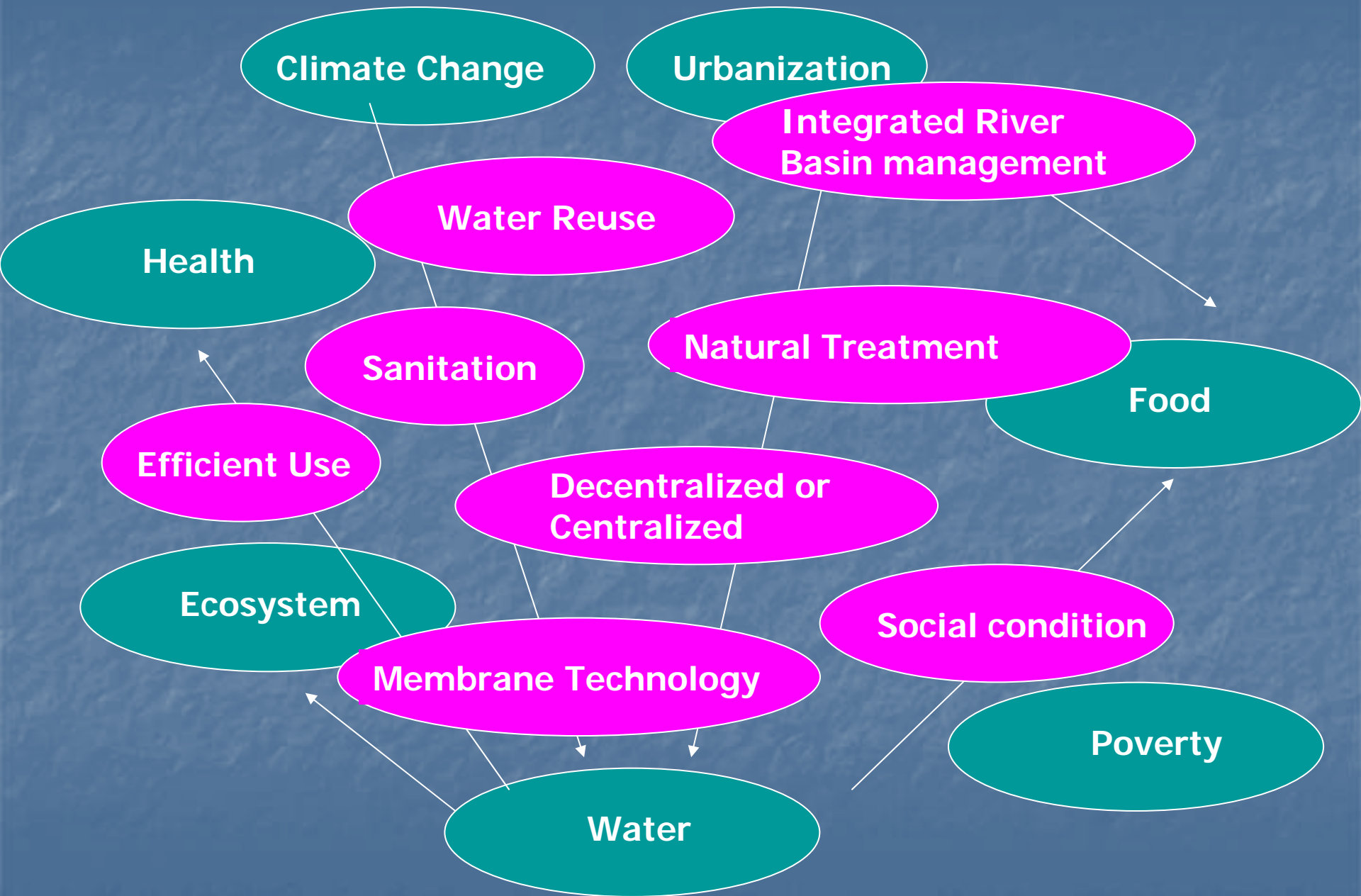
11 presentations

**50 persons gathered in our workshop from 9:00AM
to 5:30 PM**

Background



Topics of Presentations



Statement (1/3)

from SCA Joint Projects on Water (draft)

1. Recognizing the great impact of climate change and urbanization on aquatic environment and water resources in Asian countries, we have to design adaptation strategies in order to anticipate and adapt to environmental changes and changing circumstances.

The following action may be taken:

- To develop flexible production strategies
- To develop flexible scientific based actions
- To make a closer collaboration between climate, hydrology, and water researchers
- To create regional/global datasets of hydrologic variables
- To find more effective transfer of knowledge and information

Statement (2/3)

from SCA Joint Projects on Water (draft)

2. Recognizing the current state of urban water resources in Asian countries, the following measures against urbanization may be taken:

- To continue and intensify the scientific and technological efforts
- To search for better water governance through water allocation, more efficiency water use, and demand management
- To emphasize the development of novel approaches using leading technologies.
- To include protection policies for aquatic ecosystems and natural habitat

Statement (3/3)

from SCA Joint Projects on Water (draft)

3. We would like to recommend:

- To develop technological measures against vulnerability (flood, drought, water pollution, eco-system) in water system as well as institutional measures based on Asian situations
- To develop and strengthen collaboration between various academic fields and international institutions
- To establish the network on sustainable environment and water resources management in Asia

Goal:

To prepare **Recommendations** to

- Governments of Asian countries
- International organizations

To the goal:

- The discussion group will be organized.

We should appreciate it if you would kindly nominate suitable persons for the discussion group from your country.

Thank you very much for your kind cooperation in advance.