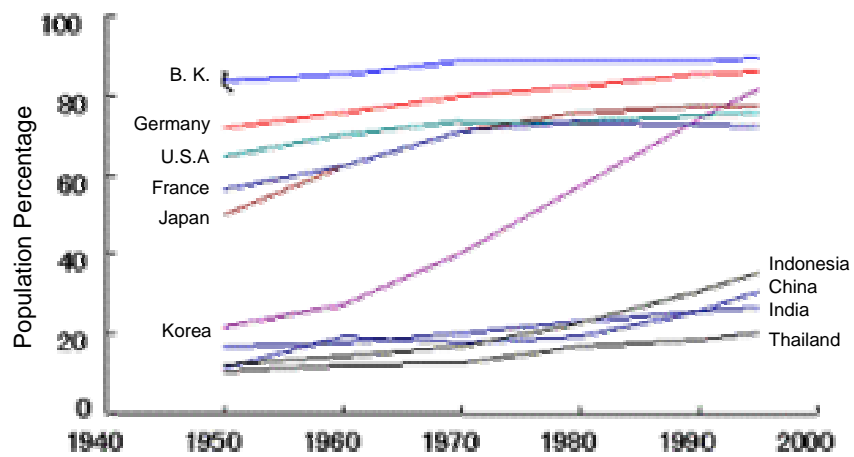


About the establishment of Asian River Restoration Network

Transition of urban population ratio



出典：UN「World urbanization Prospects The 1994 Revision」



Problems of Rivers and waterfront environment

By the rapid population increase and development according to economic growth...

- Water quality deterioration
- Reclamation of river
- Deterioration of habitat
- Disappearance of hydrophilic property
- etc.



Activities and research on river and watershed restoration are being carried out throughout the world. These activities are broad in scope, and include....

- Urban landscaping
- Improvement of riverfront amenities
- Restoration of former river beds
- Restoration of the natural environment
- etc.

Restoration study case in Yangtze River



Before the removal of the highway

Cheonggyecheon ; Korea



after the removal of the highway



Some Efforts of Restoration in Asia

Singapore River ; Singapore



- City Planning: Singapore Model
- Restoration of river/ purification of river water
- Garden Islands; 70~80% of country nationalized

Restoration study case in Ara River

1950's

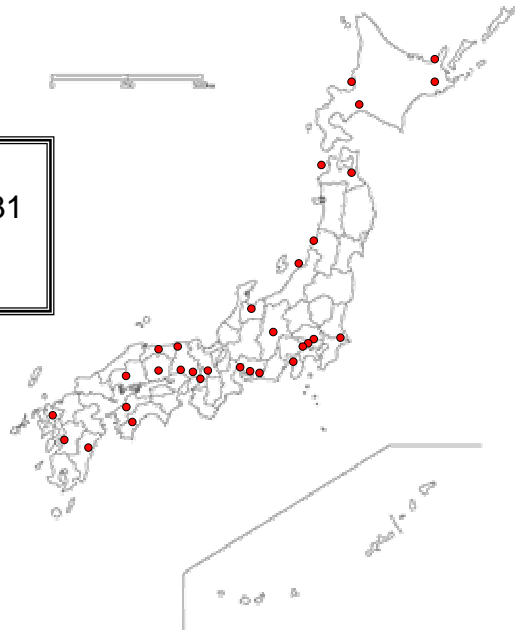
Bank protection

Restore tidal flat

All photos are offered from AraKawa-Karyu River Office

Site under Nature Restoration

The nature restoration project is executed in 31 sites in the whole country.



Current Discussion

The 3rd World Water Forum

IFNet as "International Flood Network"

International Erosion Control Information Network

Asia River Restoration Network

2005.1.19 ~ 20 (Tokyo)

- 1st International Forum on Waterfront and Watershed Restoration

2005.7.27 (Nagoya)

- Workshop on International Networking for River Environment

2005.10.28 (Tokyo)

- 3rd International Forum on Waterfront and Watershed Restoration

"Guidelines for Restoration by Eco-Compatible and Adaptive Management in River Basin" was made in 3rd WWF.

The 4th World Water Forum

Summary of Discussion in WWF4

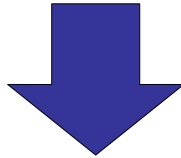
- River restoration is of vital importance to socio-economic sustainable development in parallel with flood management and water use management.
- To recognize that the basin as a basic unit for river environment management.
- It is necessary for the countries in Asian region to establish the suitable methodology and technology for river restoration.
- It is important to develop a database and Asian network of projects and knowledge of international experts in river restoration.
- It is urgent to establish a river restoration guideline suitable for the Asian monsoon region for countries with similar social and natural conditions.

International trend

Various International Network about river and watershed environment has been established recently.



Why is network for river and waterfront focusing on Asia are necessary?



Discussion between countries in similar geological and meteorological condition will provide more improved technology for rich river environment restoration

Outline of ARRN Activities

Public relations

- Activities involving exchanging and sharing information through the newsletter and on the web-site

Technological support

- To hold workshops, forums with a view to sharing latest waterfront environment improvement projects
- To draw up or revise guidelines for the restoration
- To dispatch lecturers mutually on participating countries

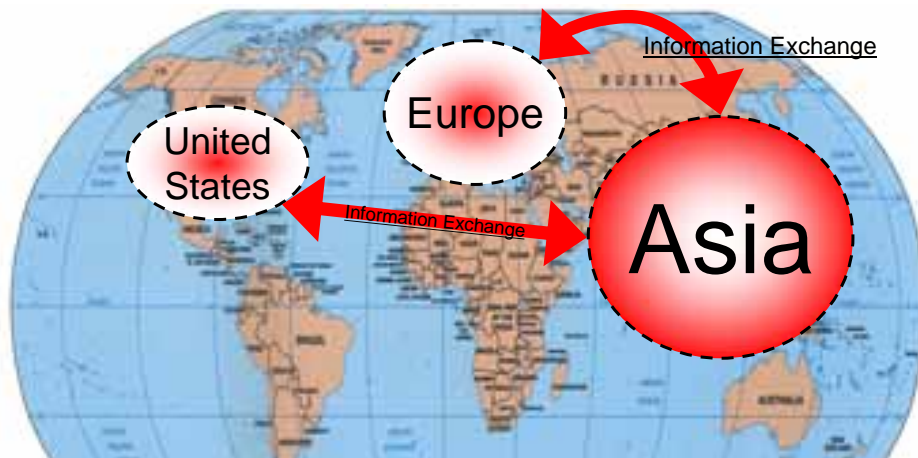
Research and studies

- To conduct joint studies to be undertaken by participating countries
- Support the provision of information with a view to studies

Publication

- To translate and publish books on the restoration of rivers and watershed

Object region



ARRN shall allow the free participation of any administrative institution, private organization, NPO, researcher, individual and so on, no matter which country or organization.
However ARRN will exchange the information especially about Asian district.

Organization

