Water Reform and Institutional Development in Korea

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Success in Domestic Water Management

Water Poverty index

CEH(2003): Moderate Low

- Drinking water supply: 89.4%
- Sewer treatment: 75.8%
Overcame Agricultural Droughts?

Irrigation System (5 yr drought): 77.8%

No severe drought for the last two decades owing to good climate
Water problems developed? Before 1988?

Simple, fundamental Water shortage/flood
Solved without integration
Water supply, flood mitigation, sewer treatment

Complex and basin-wide Environment/allocation
Cannot be solved without integration
Without collaboration/coordination, problems accumulated
Success in Flood Management?

Multi-purpose dams and levees ➔ Decrease of human losses and inundation

Economic losses
Success in Water Quality Management?

Not deteriorated for the last 20 yr period  ➔ Not improved by public investment
Key to Solve Water Problems?

- R & D for IWRM tools
- Water Reform and Institutional Development
Technological Road Map for IWRM Research Program

- **Integrated National Water Resources Planning**
- **Integrated River Basin Management**

**Development of IWRM Core Technology**

- **Development of Individual System**
- **Application of Individual System**
- **Development/Application of Integrated System**

TIMELINE:
- SWRRD start: 2001
- SWRRD end: 2011
- POST SWRRC: 2007

**Key stages**:
- 2001: SWRRD start
- 2004: Development of Individual System
- 2007: Application of Individual System
- 2011: SWRRD end
Water Reform in Process

Build Sustainable Water Cycle for Coexistence of Men and Nature

Integrated Management

President order (Oct. 2005)

To establish National Committee
Proposal for Reforming Water Governance

Ministries

National Committee

Agricultures

Authorities

Local Gov.

River Basin Committee

Water Users