Water Governance & Law In case of Japan

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A Regional Consultation Workshop on Improving
Water Governance

Lee Kuan Yew School of Public Policy National University of Singapore

Tadashige Kawasaki

Asian development Bank Institute



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What's the Asian Development Bank Institute?

[eniliuO]

- Established in December 1997
- A subsidiary of the Asian Development Bank (ADB)
- 55 staffs from 16 countries

[Purpose]

- Identification of effective development strategies
- Improvement of capacity for sound development management





Relationship ADBI and Water



- Network of Asian River Basin Organization was initiated by Asian Development Bank (ADB), ADB Institute (ADBI) and Japan Water Agency (JWA).
- Formally announced by signing the LOI on March 21, 2003, during the 3rd World Water Forum at Kyoto-Shiga, Japan.
- Established on February 24-26, 2004 in Malang, Indonesia



Letter of Intent for NARBO



1st NARBO General Meeting in 2004

Ownership is the basis of network activity

Goal and Objective of NARBO



<u>Goal</u>

To help to achieve

Integrated Water Resources Management (IWRM) in river basins throughout Asia.

Objective

To strengthen the capacity and effectiveness of RBOs in promoting IWRM and improving water governance, through training & exchange of information and experiences among RBOs and their water sector agencies & knowledge partner organizations.



IWRM Guidelines

http://www.unesco.org/water/news/newsletter/214.shtml



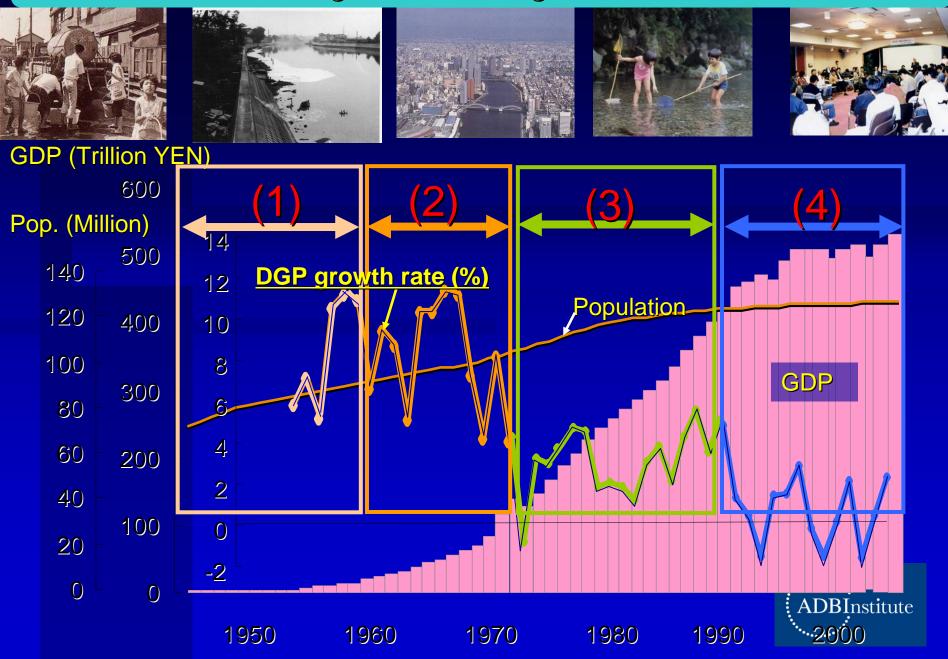
NARBO

IWRM Process "IWRM Spiral" concept model

Progress of IWRM **Impacts** (Social, Environmental, etc.) 5. Recognizing & identifying 3. Coordinating & 2. Conceptualizing planning **IWRM** Recognizing & Institute identifying 4. Implementing, **Process** monitoring & evaluating

Source: IWRM Guidelines by UNESCO

4 Periods according to the change of Economic Condition



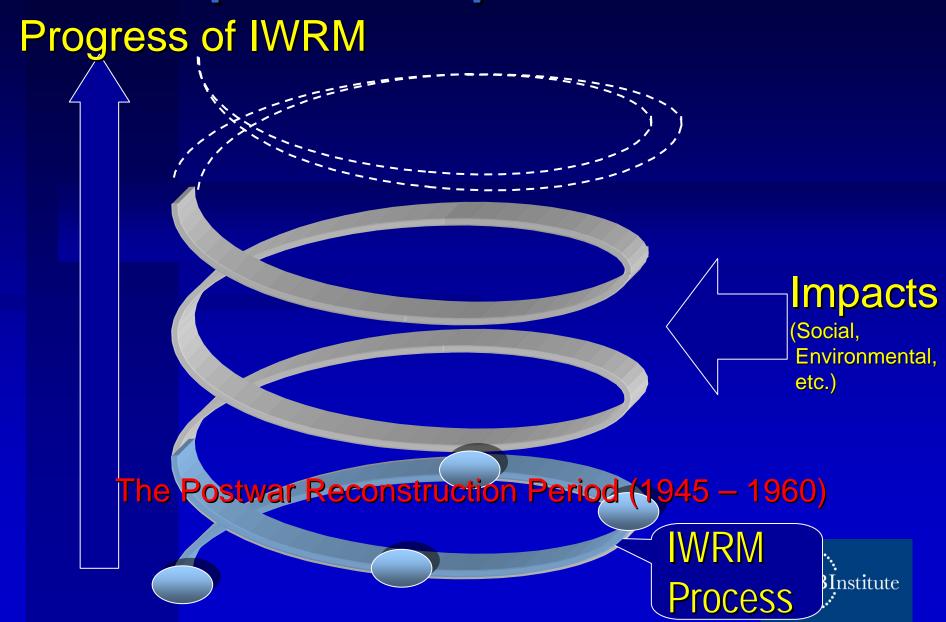
(1) The Postwar Reconstruction Period (1945 – 1960)





- 1. Land Improvement Law (1947)
- 2. Comprehensive National Development Law (1950)
- 3. Electric Power Development Promotion Law (1952)
- 4. Waterworks Law (1957)
- 5. Specified Multipurpose Dam Law (1957)
- 6. Industrial Water Supply Business Law (1958)

"IWRM Spiral" concept model



(2) High-Level Economic Growth Period (1960 - 1973)



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Promotion of water resource development

- 1. Water Resources Development Promotion Law (1961)
- 2. Water Resources Public Corporation Law (1961)
- 3. Revision of River Law (1964)

Measures to prevent ground subsidence

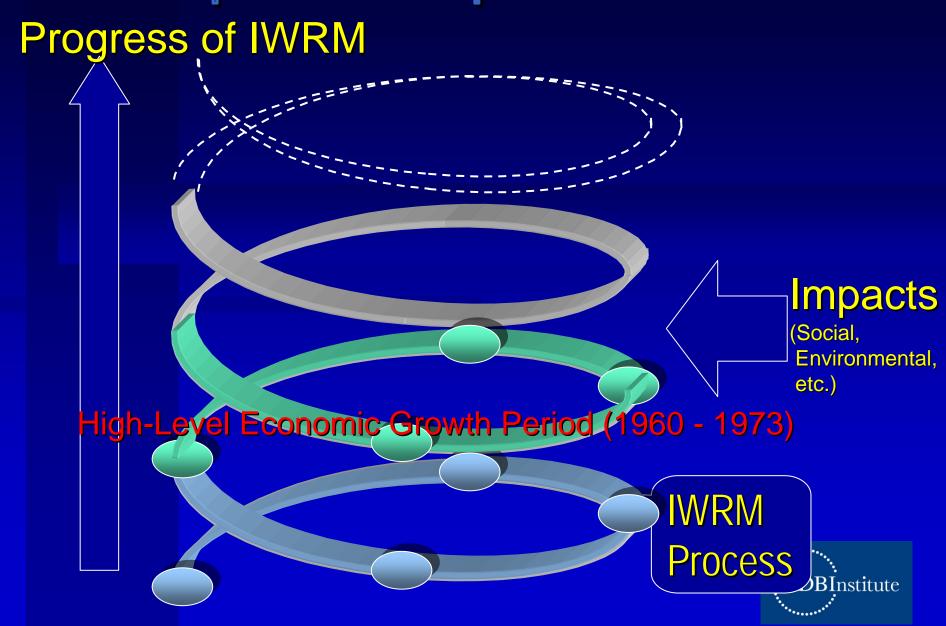
- 4. Industrial Water Law (1956)
- 5. Building Water Law (1962)

Measures to preserve water quality

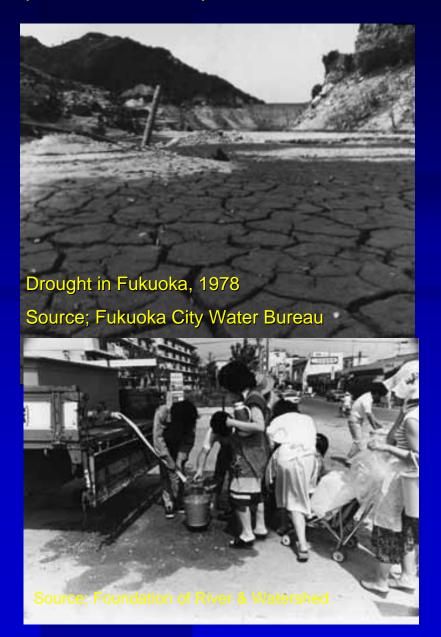
- 6. Water Quality Conservation Law
- 7. Factory Effluent Control Law (1958)
- 8. Water Pollution Control Law (1970)
- 9. Revision of Sewerage Law (1970)
- 10. Basic Law for Environmental Pollution (1967)
 - → Revised in 1970



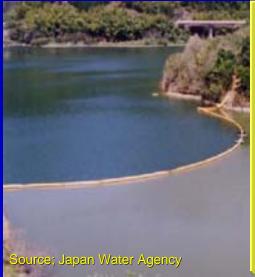
"IWRM Spiral" concept model



(3) Period of Stable Growth and the "Bubble" Economy (1973 - 1990)







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Need for a nationwide water demand and supply plan, based on a comprehensive, long-term perspective

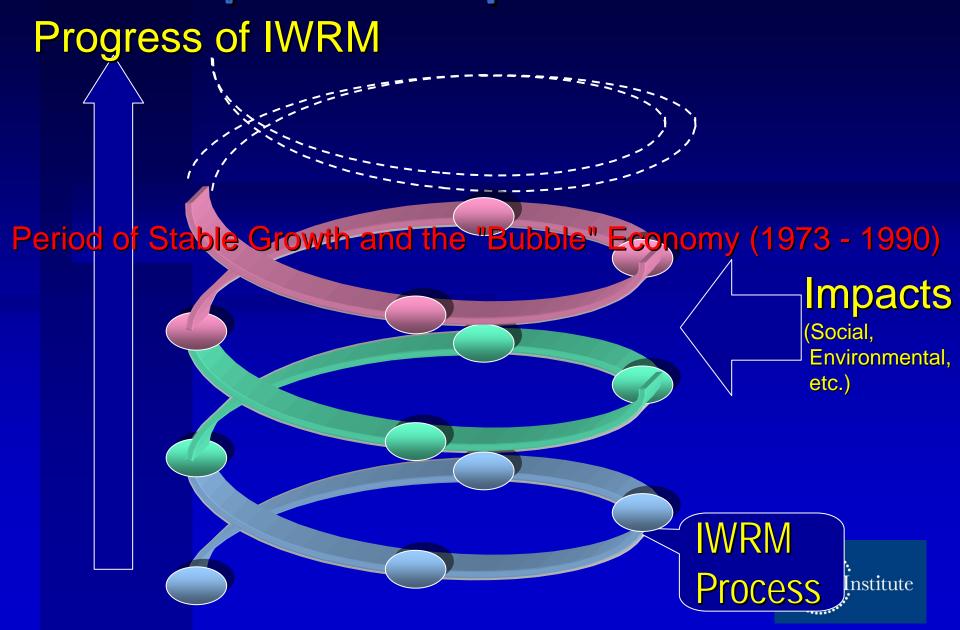
- 1. Long-Term Water Demand and Supply Plan (1978)
- 2. Water Demand in the 21st Century (1982)
- 3. National Comprehensive Plan for Water Resources (1987) (Water Plan 2000)

Efficient implementation for water resource development such as dam construction

1. Special Measures Act for Reservoir Area (1973)

Measures to deal with frequent water shortages
Takamatsu Desert" (1973), Fukuoka Drought (1978),
National Winter Drought (1984), Western Japan Winter
Drought (1986), Tokyo Metropolitan Winter Drought (1987)

"IWRM Spiral" concept model



(5) Period of the "bubble economy" in the early 1990s to the present







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Consideration for environment and process

- 1. Basic Environment Law (1993)
- 2. Environment Impact Assessment Law (1997)
- 3. Revision of the River Law (1997)

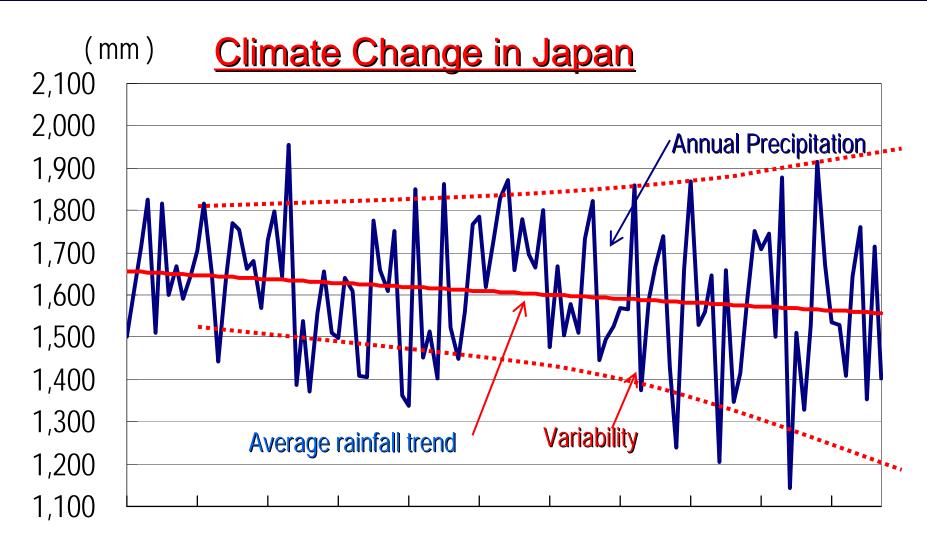
New efforts to secure water resources

- Optimization of facility management
- Diversion of water use rights to different applications
- Reuse of reclaimed water and other

Need for comprehensive efforts

- 1. New National Comprehensive Plan for Water Resources
- 2. Government Offices Conference on the Establishment of a Robust Hydrological Cycle (1999)
- 3. Law for the Focused Planning of Social Infrastructure Improvement (2003)
- 4. Revision of "Comprehensive National Land Development Law" (2005)

(6) Future

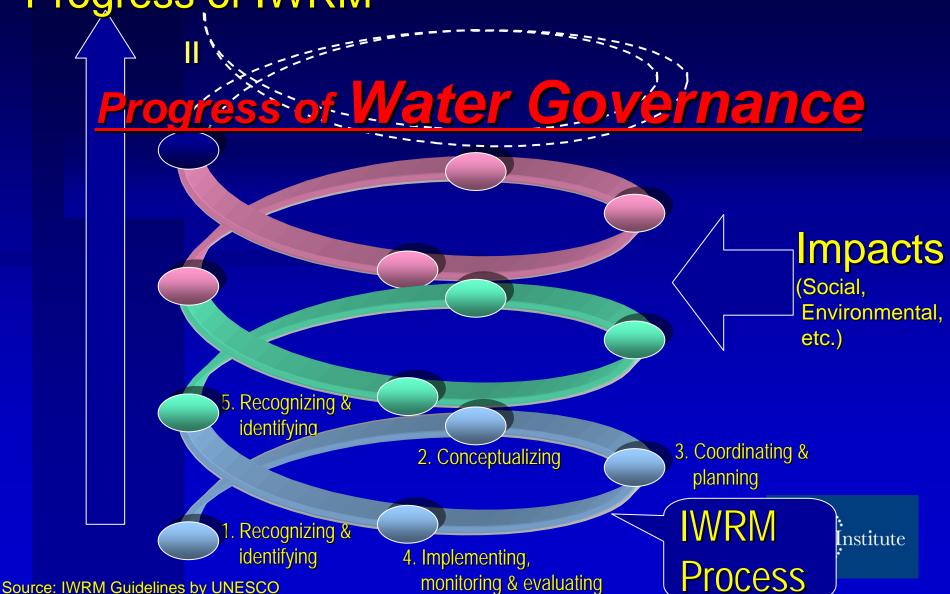


1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000

Source: MLIT

"IWRM Spiral" concept model

Progress of IWRM



ii Water Resources Management by law

For:

Promotion of water resource development to meet the rapid increase of water demand



Water Resources Development Promotion Law (1961)

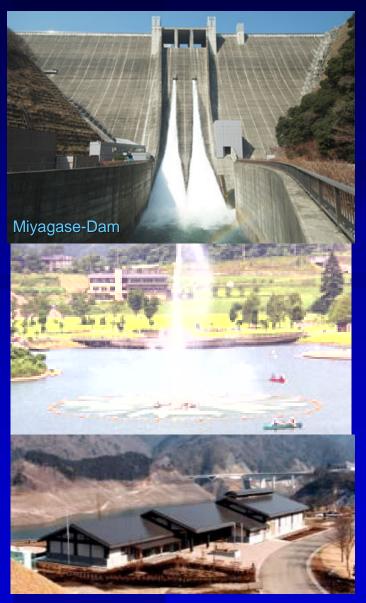
Water Resources Public Corporation Law (1961)



Basic Plan for Water Resource Development ("Full Plan") for focused river basin



iii Many measures to implement WRM



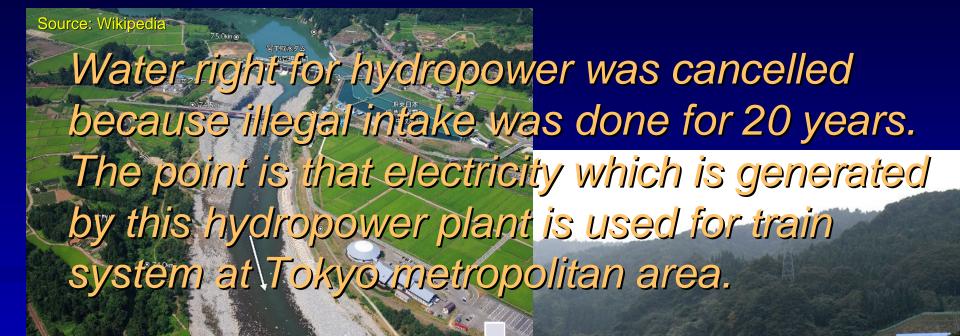
- Fixed assets tax
- Grant for Power supply region
- Grant for Water resources region

Sustainable support system by Law

ADBInstitute

Municipality can develop and maintain their facilities and welfare for resident.

II Implementation of Law



- Necessity of management against illegal action Dy law.
- > Accountability of the authorized river manager.

Miyasato-Dam

II Implementation of Law

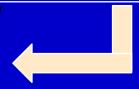
The article of 53rd of River Law

Coordination mechanism in case of drought



Coordination Committee of drought River Administrator Information Coordination **Vater User** ater User Consult Respect

Amount of intake is discussed and decided there.





III New Challenges

Water Right for Environmen



Maintenance of this canal is done by collaboration with local government, farmers association, regional

community and volunteer.

Source: MOE, Government of Japan

Rokugo/Nanago-Bori

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Source: IWRM Guidelines by UNESCO

We lost many things such as "Intact river".







tkawasaki@adbi.org

http;//www.adbi.org http;//www.narbo.jp

