



**KOREA · JAPAN · CHINA
TRILATERAL FORUM
ON WATER RESOURCES**

**Trilateral Cooperation
for Water Policy Innovation
in Response to
Persistent and Emerging
Water Challenges**

**Asia-Pacific Regional Synthesis and Commitment
Session at the 7th World Water Forum**

Presenter: AKITA Yuko

Korea-Japan-China Trilateral Forum on Water Resources

Date: April 13 (Mon), 2015

Time: 13:30-15:00

Session: R.AP.TCS

Venue: GHH_B103 Hyundai Hotel Gyeongju

Organized by Trilateral Cooperation Secretariat (TCS)

**In Special Collaboration with Ministry of Land, Infrastructure and
Transport of the Republic of Korea, Ministry of Land, Infrastructure,
Transport and Tourism of Japan, Ministry of Water Resources of the
People's Republic of China**

Preparation Process

- TCS, as the first ever regional organization in Northeast Asia, supports China, Japan and Korea for the development of trilateral cooperation.
- Followed by the Memorandum of Cooperation on the Mechanism of Ministerial Meeting signed at the 6th WWF, TCS initiated to plan to organize a Trilateral Session at the 7th WWF, to boost up the future cooperation
- TCS invited water-related Ministries of the three countries to deliver our plan in September 2014 and in February 2015.
- It was decided to hold the Trilateral Forum on Water Resources back-to-back with the Trilateral Ministerial Meeting on Water Resources at the 7th WWF.

Overall Design

- **Trilateral Ministerial Meeting on Water Resources**

- Date: April 13 (Mon), 2015, 13:00-13:30
- Venue: B1F Convention A (GHH_B103), Hyundai Hotel, Gyeongju, ROK
- Host: Ministry of Land, Infrastructure and Transport of the Republic of Korea (MOLIT)

- **Trilateral Forum on Water Resources**

- Date: April 13 (Mon), 2015, 13:30-15:00
- Venue: B1F Convention A (GHH_B103), Hyundai Hotel, Gyeongju, ROK
- Host: TCS
- Special Collaboration: Ministry of Land, Infrastructure and Transport of the Republic of Korea (MOLIT), Ministry of Land, Infrastructure, Transport and Tourism of Japan (MLIT), Ministry of Water Resources of the People's Republic of China (MWR)

Program

Trilateral Ministerial Meeting on Water Resources Hosted by MOLIT ROK

Theme: *Collaborative Actions for Water Policy Innovation*

Opening

Speeches

Mr. YOO Il-ho, Minister of Land, Infrastructure and Transport of the Republic of Korea

13:00

Mr. OHTA Akihiro, Minister of Land, Infrastructure, Transport and Tourism of Japan

-13:30

Dr. JIAO Yong, First Vice Minister of Water Resources of the People's Republic of China

(13:20-13:25) Signing Ceremony of Joint Statement and Photo Session

Program

Trilateral Forum on Water Resources Hosted by TCS
Topic: *Trilateral Cooperation for Water Policy Innovation in Response to Persistent and Emerging Water Challenges*

13:30-13:35
Opening

Mr. IWATANI Shigeo, Secretary-General of TCS

Moderator: Dr. YOON Byung-Man, President of the Korea Water Resources Association (KWRA) & Professor of Myongji University, the ROK

13:35-14:50
Discussion

Presentation 1: Dr. SHIN Hyun Suk, Professor of Pusan National University, Director of Green Land and Water Management Research Institute, the ROK
Topic: *Future Smarter and Integrated Water Management Policy (SIWM) for Sustainable Korean Water Reform, and Trilateral Cooperation*

Presentation 2: Mr. KOMURA Kenyu, President of Japan Water Agency, Japan
Topic: *Optimization of Water Cycle Policy in Japan in Response to Global Climate Change with Focus on Risk Reduction of Water-related Disasters, and Future Trilateral Cooperation*

Program

13:35-14:50 Discussion	Presentation 3: Mr. XUE Songgui, Vice Commissioner, Yellow River Conservancy Commission, Ministry of Water Resources, People's Republic of China Topic: <i>Approaches and Methods to Realize the Integrated Water Resources Management in the Yellow River Basin</i>
	<u>Discussion</u> (14:25-14:35) Discussion (14:35-14:45) Open Q&A
	<u>Wrap-up</u>
14:50-15:00 Closing Session	<u>Closing Speech (14:50-15:00)</u> Speaker: Mr. LEE Jong-heon, Deputy Secretary-General of TCS Topic: <i>Importance of trilateral cooperation on water resources as one of the best practices in water cooperation in Asia-Pacific region</i>

Discussion Summary 1:

Future Smarter and Integrated Water Management Policy (SIWM) for Sustainable Korean Water Reform, and Trilateral Cooperation

1. Past and Current: Success history of Korea Water Management

- Water crises in Korea due to climate change and urbanization has been overcome over time, through development of water management policies.
- Paradigm changes: policy (development -> management), time (after-response -> before-preparation), infra (concentration -> distribution), rule (diverse -> integration), resource (consume -> recycle), who (government -> people)

2. Future: SIWM

- For future smarter IWRM concept and direction, following tasks should be considered – 1) smarter water management, 2) sustainable water management, 3) water security, 4) water-energy-food nexus, 5) well-being with water, 6) multi-level water governance, 7) green growth with water, and 8) preparing Korea unification.

Discussion Summary 2:

Optimization of Water Cycle Policy in Japan in Response to Global Climate Change with Focus on Risk Reduction of Water-related Disasters, and Future Trilateral Cooperation

1. Japan's Basic Act on Water Cycle Policy

- Headquarters for Water Cycle Policy was established to promote the sound water cycle.

2. IWRM in Japan

- Hiyoshi Dam contributes to risk reduction. (lower water level 0.5 m at Arashiyama area, and halved inundation area.)

3. Future Trilateral Cooperation

- Active participation in regional activities for sustainability and increasing country-level NARBO activities for better networking between the three countries.

Discussion Summary 3:

Approaches and Methods to Realize the Integrated Water Resources Management in the Yellow River Basin (YRB)

1. Approaches to Realize the IWRM in the YRB

- China has various issues such as water scarcity, uneven water distribution, serious water pollution, water ecology deterioration, and especially water conflicts followed by regional economic and social development
- Water allocation of the YRB is implemented combining river basin level and local with different level of authorities, and through negotiation with relevant stakeholders to formulate plans and schemes.

2. Methods towards the IWRM in the YRB

- Water policy reform (implementation scheme of the most strict water management system) is to set 3 red lines and to implement 4 systems.
- Red lines on 1) water development and utilization, 2) water use efficiency, 3) limit of pollutant discharge in the water function zone
- Systems are 1) limit on total water use system, 2) water use efficiency control, 3) limit on total pollutant discharge in water function zone system, 4) water management responsibilities and evaluation system

Suggestions by Experts:

Future Trilateral Cooperation for Water Policy Innovation

1. Establishing a regular trilateral mechanism to share national know-how
2. Conducting a river basin comparative research (development, plan, management, implementation and impact)
3. Gathering water-related working groups from the three countries and planning practical projects (NARBO is a good tool.)
4. Establishing a research group on water resources management / conducting common research on water history in Northeast Asia

A high-speed photograph of a water splash, showing a large, clear droplet in the center surrounded by smaller droplets and a misty spray. The water is captured in mid-air, creating a dynamic and refreshing visual.

Thank you!

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