

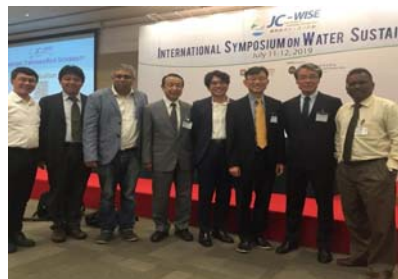
Report on KRRN Activities Of the Year 2018 (April 2018 to July 2019)

KRRN Secretariat

I Conference, forum and seminar

■ An Invitation in JC_WISE Symposium in Hong Kong University (July 11–12, 2019)

- ✓ In Hong Kong, flood disaster is a main concern due to mountainous terrain, annual average rainfall of over 2,000 millimeters and steeper slopes.
- ✓ Experts and NGOs have been trying to adopt the river revitalization from the experiences in Korea, Japan etc. They are getting rid of riverbed concrete pavement



■ Asia Water Council Special Bureau Meeting (June 25–28, 2019)

- ✓ Conference on how AWC can be sustainably developed

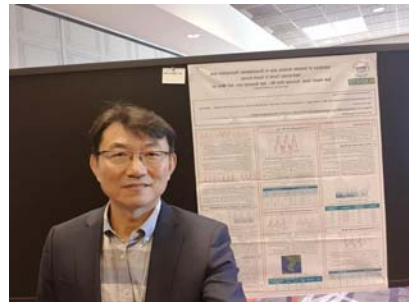


I

Conference, forum and seminar

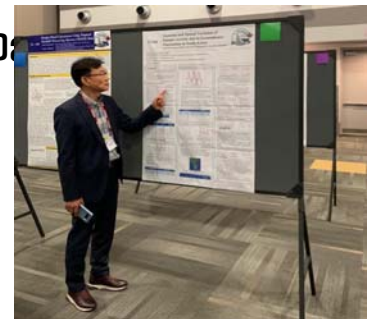
☐ American Water Resources Association(AWRA) 2019 Summer Speciality Conference_Reno, NV (June 16-19, 2019)

- ✓ This year's theme is Improving water infrastructure through resilient adaptation



☐ ICOLD 2019 Annual Meeting/Conference in Ottawa Canada (June 14-15, 2019)

- ✓ The theme of this year's conference is 'Safety of Dams'



I

Conference, forum and seminar

☐ Water Issues of Nepal, smart water grid (April 10-12, 2018)

- ✓ Water quantity and water quality Problems of drinking water
- ✓ Absence of flood warning system due to heavy rains during the rainy season



☐ National assembly integrated water management forum (June 18, 2018)

- ✓ Policy forum for stable integrated water management system settlement
- ✓ Expert policy suggestions for integrated water management system settlement



I

Conference, forum and seminar

■ HIC Conference in Palermo Italy (July 1–6, 2018)



■ Peace Dam and Transboundary River (July 30, 2018)

- ✓ After 2001, there have been constructed 5 dams in North Korea and 2 dams in South Korea in the last 15 years in transboundary river.
- ✓ Without cooperation between N. and S., environmental and rehabilitation get far, co-investigation is inevitable in the transboundary river.



II

KRRN Researches

■ International cooperation research with Deltares and Irstea (ongoing)

- ✓ The collaboration project with Deltares and Irstea on the effect of vegetation on river flows has been carried out.

■ Water–Energy–Food NEXUS

- ✓ Identify and quantify the status of resources → Efficient management of production, supply and consumption of water, energy and food resources



Groundwater pumping system
(using Solar energy)



Agricultural production
in the vinyl greenhouse

**W-E-F
NEXUS**



Sewage Treatment System
(Point/Non-point Pollution source)



Technical Exchanges and Training

■ SBS 'Water is Life' Sincheon, Hantan River (July 29, 2018)

- ✓ Shincheon is the tributary of Hantan river and the most polluted river in Gyeonggi-do river.
- ✓ It is not easy to improve the pollution source because of the non-point pollution of housing and small-scale factories and the complex pollution source of industrial wastewater



Technical Exchanges and Training

■ Korea River Association activities

- ✓ Korea International Water Week 2017 (KIWW2017) held (September 20 to 23, 2017)
- ✓ 2018 Drought Response Symposium (March 29, 2018)
- ✓ Korea International Water Week 2018 (KIWW 2018) will be held (September 12-15, 2018)
- ✓ 2019 Korean Society of Ecology and Infrastructure Engineering Forum held (January 28, 2019)
- ✓ International Forum on the Future Vision of the Han River will be held (July 19, 2019)



Participation of 13th ARRN Governing Council Meeting Agenda

- ✓ Report discussion on ARRN and National RRN
- ✓ Nomination for chairperson-elect, Secretary General appointment
- ✓ Discussion & Decision
 - Execution, Revision and Cancellation of ARRN Charter
 - Annual Action Plan for 2018–19

