

Report on KRRN Activities Of the Year 2017 (May 2017 to July 2018)

KRRN Secretariat

I Conference, forum and seminar

- Water Issues of Nepal with 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



- IWRM Forum in National Assembly (June 18, 2018)

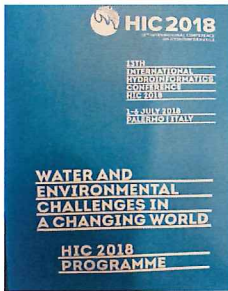
- ✓ Forum for integrated water resources management
- ✓ Transferring from MOLIT to MOE



I

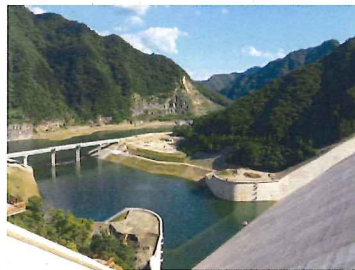
Conference, forum and seminar

☑ HIC Conference in Palermo Italy (July 1-6, 2018)



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

- ✓ There are more than 200 transboundary rivers internationally, and there are Imjin and Han river in Korea.
- ✓ Since 2001, there have been 5 dams in North Korea and 2 dams in South Korea in the last 15 years since 2001.
- ✓ River restoration needs between North and South Korea



II

KRRN Researches

☑ Improvement of Mongolian water and environment for developing ODA project

- ✓ The collaboration with Institute of Geography and Geoecology in Mogolia.

☑ Water-Energy-Food NEXUS

- ✓ River restoration by green energy can supply to water for agriculture.



Groundwater pumping system (using Solar energy)



Agricultural production in the vinyl greenhouse

W-E-F NEXUS



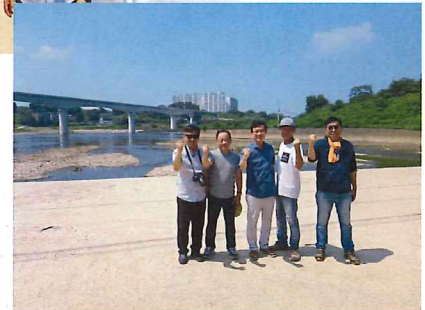
Sewage Treatment System (Point/Non-point Pollution source)



Technical Exchanges and Training

☑ SBS TV program 'Water is Life' (July 29, 2018)

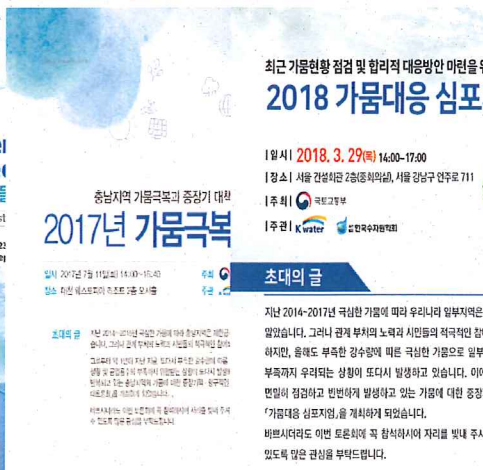
- ✓ Shincheon is the tributary of Hantan river and the most polluted river in Gyeonggi-do river.
- ✓ It is not easy to improve the pollution source because of the non-point pollution of small-scale factories and the complex pollution source of industrial wastewater



Technical Exchanges and Training

☑ Korea River Association activities

- ✓ River survey · River change survey Drone competition (May, 2017)
- ✓ Water management unification contest held (June 29, 2017)
- ✓ 2017 Hangang Forum held (July 21, 2017)
- ✓ 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)



12th 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 2017-18

