

**15<sup>th</sup> Korea Green Innovation Days**  
**May 6 – 8, 2026**  
**Sejong, South Korea**

**Day 1. Breakout Session**

**NIGTS Session. K-Climate Technology Demonstration Program for the Global South (R&D): From Korean Innovation to Global Application**

**Speakers Bios**

---



**Ji-hee Son, Director, National Climate Technology Cooperation Center, NIGT**

Dr. Ji-Hee Son is the Director of the National Climate Technology Cooperation Center at the National Institute of Green Technology in the Republic of Korea. She also serves as a member of the expert committee of the 2050 Carbon Neutrality and Green Growth Commission. Dr. Son has over fifteen years of experience in developing strategies and policies for climate technology development and transfer, as well as in addressing environmental issues related to human activities, including newly emerging energy technologies. She previously developed a real-time groundwater monitoring system to detect potential contamination from shale gas production. This system was based on a surrogate technique and an event detection model that incorporated statistical and mathematical algorithms, pattern recognition, and advanced data mining methods. Dr. Son holds a Ph.D. in Civil Engineering from Colorado State University, USA.

---



**Ju Young Son, Deputy Director, Ministry of Science & ICT**

---



**Yun Wu, Senior Energy Specialist, World Bank Group**

Yun Wu is a Senior Energy Specialist with the World Bank Group, based in Singapore. Since joining the World Bank in 2012, she has led country and regional energy programs across East Asia and Pacific, Europe and Central Asia, and East Africa, working on energy sector reform, energy transition, power and heating sector development, energy efficiency, renewable energy, and air quality. Yun has extensive experience shaping sector strategies and delivering complex policy and investment operations, including large multi-phase programs focused on sector financial viability, tariff reform, utility modernization, renewable scale-up, and private sector participation. Her technical work spans power systems, clean heating, energy efficiency, large hydropower, solar, geothermal, pumped storage, and regional power integration.

Prior to joining the World Bank, Yun worked at the U.S. Department of Energy's Oak Ridge National Laboratory, the International Institute for Applied Systems Analysis (IIASA) in Austria, and Resources for the Future in Washington, DC. She holds a PhD in Resource Economics and Policy and a Master's degree in Statistics from North Carolina State University, and a Bachelor's degree in Engineering from Tianjin University.



**Gladness Mukemfura Rwejumura, Transport Specialist, World Bank Group**

Gladness Rwejumura is a Transport Specialist based in Tanzania, co-leading three major strategic programs: the Dar es Salaam Urban Transport Improvement Project, a flagship BRT program; the Tanzania Roads to Inclusion and Socioeconomic Opportunities (RISE) Project, a large-scale all-season rural connectivity program; and the Msimbazi Basin Development Project, an integrated urban flood risk management and resilience initiative. She also leads the Korea Green Growth Trust Fund (KGGTF) grant under the Second Tanzania Intermodal and Rail Development Project, focused on strengthening the Central Corridor through the integration of technology and climate-resilient infrastructure. With a background in Environmental Sciences (BSc) and Transportation Sciences (MSc), she plays a key role in aligning transport investments with broader resilience, safety, urban development, inclusivity, and climate adaptation objectives.



**Jeongho Lee, Senior Research Fellow, Korea Electrotechnology Research Institute**

Dr. Lee, Jeong Ho joined KERI in 2002 as a power system researcher, he was involved with the development of Korean Energy Management System(K-EMS) for the bulk power system operation in Korea. He majored in electrical engineering in Seoul National University, especially in power system engineering. He received B.S., M.S. and Ph.D. degrees from Seoul National University, 1987, 1989 and 1993 respectively. He has been doing R&D activities on the area of power system planning and operation as a principal researcher of Power Grid Research Division at KERI since 2002.



**JongRok Choi, Professor, Korea National University of Transportation**

Jong-rok Choi, is a professor at the Graduate School of Transportation at the Korea National University of Transportation. He has dedicated 40 years of his career to the railway industry, starting at the Korea Railroad Corporation (KORAIL). Throughout his career, Dr. Choi has gained comprehensive experience in railway rolling stock maintenance and planning. He also served as a professor at the KORAIL Human Resources Development Institute. His expertise has been pivotal in numerous national railway-related projects. Furthermore, he has a wealth of international experience, having served as a Project Manager for overseas projects, including the Tanzania Railway Improvement Project.



**Dajeong Lim, Professor, Chungnam National University**

Dajeong Lim, Ph.D. is an Assistant Professor in the Department of Animal Biosystem Sciences at Chungnam National University. She holds a Ph.D. in Agricultural Biotechnology (Bioinformatics) from Seoul National University. Her research focuses on animal genomics and the implementation of AI-driven big data analytics for precision livestock farming and multi-omics integration. Prior to her academic appointment, Dr. Lim built a distinguished career at the National Institute of Animal Science (NIAS), serving as a Senior Researcher and later as a Research Services Manager. She also contributed her policy expertise to the Agricultural and Rural Policy Team at the Presidential Committee on Agriculture, Fisheries and Rural Policy. Currently, she contributes her expertise as a board member of the National Green Bio Science & Technology Council and the Planning Committee Chair for the Korean Society of Animal Genetics & Breeding.