



SIDE EVENT DESCRIPTION FORM 2.

10TH WORLD WATER FORUM

This Session Description 2 is for the specified program of the side event. Please complete this form no later than 30th of April 2024.

**The session description 1 (online form) is separately requested for the session coordinators to deliver a concise session outline with the contact info and the logistical requests.*

Session Code and Title:

SE55 Innovative Approaches to Seawater Desalination to Cope with the Water Crisis

Side Event Coordinators (Name, Position, Organization, email, mobile number):

Session coordinator and moderator:

Korea Water Forum, Mikyung Kim mkkim@koreawaterforum.org / +82-2-736-0437 / +82-10-2869-7499

Session Description including objectives and expected outcomes (500 words maximum):

Roughly half of the world's population is experiencing severe water scarcity for at least part of the year. 2.2 billion still live without safely managed drinking water, including 115 million people who drink surface water. Seawater accounts for 98% of the world's water and seawater desalination is considered as a practical solution to meet the increasing global water demand. Innovative approaches to seawater desalination are pivotal in addressing water crises worldwide, where freshwater scarcity poses significant challenges. This technology is especially valuable in arid and coastal regions where freshwater resources are limited or unavailable.

Seawater desalination plays a crucial role in addressing water scarcity challenges. Unconventional water resources, such as those resulting from desalination, are key in supporting Sustainable Development Goal 6 (to ensure availability and sustainable management of water and sanitation for all). Seawater desalination can extend water supplies beyond what is available from the hydrological cycle. However, careful planning, technological innovation, and sustainable practices are essential to maximize its benefits while minimizing environmental and economic impacts.

The private sector plays a significant role in driving innovation and harnessing advanced technologies to make seawater desalination more efficient, cost-effective, and environmentally sustainable. Collaboration between public entities and private enterprises also emerges as a pivotal strategy for developing and sustaining effective desalination solutions.

Expected outcomes are: (1) share innovative approaches and practices (2) collaborate and partner with multi-stakeholders to share knowledge, resources and expertise



Detailed Session plan : *F/M indicates Female or Male

ESTIMATED TIMING	ITEM DESCRIPTION / ROLE	SPEAKERS	SPEAKERS STATUS (OK OR TBC)
16:40-16:42 (2')	Opening		
16:42-16:45 (3')	Welcoming Remarks	Dr. Eun Namkung (Korea Water Forum)	OK
16:45-17:00 (15')	Overview of Market and Technology Development in Desalination	Prof. Sangho Lee (Kookmin Univ.Korea)	OK
17:00-17:10(10')	Current Status of Seawater Desalination Technology in Qatar and Case Studies (Video)	Prof. Dong Suk Han (Qatar University, Qatar)	Tbc
17:10-17:20(10')	Industrial Water Supply through Desalination in Korea	Dr. Jihye Kim (K-water, Korea)	OK
17:20-17:30(10')	Tackling Water Supply Challenges in Small Islands: World's First Self-Propelled Desalination Ship	Tbc	Tbc
17:30-17:40(10')	Expanding the mandate of seawater desalination to deal with climate and water crisis (Video)	Mr. Leo Park (Capture6, USA)	OK
17:40-18:10(30')	Panel Discussion	Chair: Prof. Sangho Lee (Kookmin University) Panel Dr. Jihye Kim (K-water) Dr. Ketut Gede Dharma Putra (Bali Sustainable Development Foundation) Dr. Dahlia Sabri (International Water Resources Association) Prof. Philippe Gourbesville (UNIVERSITE COTE D'AZUR)	OK
18:10-18:12(2')	Closing		

Additional information: