

STOCKHOLM WORLD WATER WEEK 2021

JOIN US THE SESSION

NATURE AS A PARTNER: IMPLEMENTING NATURE-BASED SOLUTIONS GLOBALLY

Date: 23rd August 2021, 8 am CEST

This session will discuss the pathways and lessons from applying the Nature-Based Solutions (NBS) into the existing urban landscape for flood and storm risk management in Denmark, Finland, the Netherlands, Japan, and the Republic of Korea.

The speakers will share the application methodologies, institutional arrangement, implementation process, ways of measurement, including the cost-benefits analysis and effectiveness, compared to “do nothing” and grey infrastructure and valuing water and eco-systems, decisionmaking process among the multi-stakeholders, including barriers, trade-offs, operations and maintenance considerations. They will then discuss whether and how different political, financial, landscape, and civil society settings will influence the promotion of the NBS to address the risks of flood and stormwater in urban areas.

Convenors: Northern Water Network, Danish Water Forum, Finnish Water Forum, Netherlands Water Partnership, Japan Water Forum, Korea Water Forum

For more detail: <https://www.worldwaterweek.org/event/9624-nature-as-a-partner-implementing-nature-based-solutions-globally>

Program

Opening Remarks

Yumiko Asayama, Manager, Japan Water Forum c/o Secretariat of NoWNET

Presentation

(Danish Water Forum)

Dr. Peter van der Keur, Senior scientist, Geological Survey of Denmark and Greenland (GEUS), Dept. of Hydrology

The Nature Insurance Value of Ecosystems, Nature Based Solutions (NBS), to mitigate and adapt to water related natural hazards. Support of investment in risk reduction by valuing the impact of NBS, including co-benefits

(Finnish Water Forum)

Mr. Antti Parjanne, Leading Water Management Expert, Ministry of Agriculture and Forestry of Finland

Nature-Based Solutions for stormwater flood risk management in Finland and Baltic Sea region

(Netherlands Water Partnership)

Prof. Chris Zevenbergen, Professor at the Water Engineering Department, IHE Delft

NBS: a panacea for urban water challenges? Experiences from Asia and Europe.

(Japan Water Forum)

Dr. Keigo Nakamura

Director, River Restoration Team & Aqua Restoration Research Center (RR/ARRC), Public Works Research Institute (PWRI), Japan

NBS or Green Infrastructure: Catchment-scale flood management x River restoration

(Korea Water Forum)

Prof. Lee-Hyung Kim, Civil and Environment Engineering Dept. Kongju National University, Rep. of Korea.

Improving the ecological functions on NBS

Plenary Q&A, Interaction with the audience

· Moderator: **Dr. Anna Tengberg, Senior Adviser, Swedish Water House/ Stockholm International Water Institute (SIWI)**

Wrap up and Summary

Contact: NoWNET Secretariat (nownet@waterforum.jp)

Northern Water Network (NoWNET)

NoWNET is a network of country level water partnerships in Europe, Japan and the Republic of Korea for exchanging experiences and good practices to address water challenges, interacting with multi-stakeholders.

It was initiated by the World Water Council (WWC), Global Water Partnership (WWP), and the Steering Committee of the 3rd World Water Forum held in Japan in 2003.

Japan Water Forum has maintained a role as the secretariat ever since its launch.



Members:







Global Water Partnership
World Water Council
Danish Water Forum
French Water Partnership
Finnish Water Forum
Japan Water Forum
Korea Water Forum
Netherlands Water Partnership
Portuguese Water Partnership
Swedish Water House
Swiss Water Partnership

Webinar Registration

How to join the session? Steps:

1. Register on: <https://www.worldwaterweek.org/tickets>
2. Make sure to install the zoom application on your computer or mobile
3. open the Meeting link on Pathable: [World Water Week: Virtual Meeting Details \(pathable.com\)](https://www.worldwaterweek.org/pathable.com)
4. Add the session to your schedule

Introduction of the Speakers

<p>Dr. Peter van der Keur</p> 	<p>Dr. Peter van der Keur is a senior scientist at the Geological Survey of Denmark and Greenland, Department of Hydrology since 2001. His background is on integrated hydrological modelling, impact assessments of natural hazards, especially groundwater-related impacts, risk governance and participatory approaches. He has experience in climate change impact and disaster risk reduction assessments as well as adaptive water resources management. Recently the focus has been on nature-based solutions for mitigating and adapting to water-related natural hazards, especially in urban environments.</p>
<p>Mr. Antti Parjanne</p> 	<p>Mr. Antti Parjanne work as Leading Water Management Expert in Ministry of Agriculture and Forestry of Finland. He is responsible for national flood and drought risk management. Recently he published report on Natural flood risk management solutions in the Baltic Sea region.</p>
<p>Prof. Chris Zevenbergen</p> 	<p>Prof. Chris Zevenbergen is a professor at the Water Engineering Department of IHE Delft and has a 0.2 fte appointment at TuDelft (chair Delta urbanism, Faculty of Architecture and Built Environment), The Netherlands. He is also a visiting professor at the Southeast University (SEU) and the North China University of Water Resources and Electric Power (NCWU). Over the past 25 years, he has accumulated extensive national and international experience in research and teaching with integrated approaches to manage natural disasters and water in urban environments. His research interest is specifically on innovative design-based approaches (water sensitive design) to mitigate urban flood impacts, floodproofing building designs and technologies, and decision support tool development in urban planning with practical application in climate adaptation and urban resilience. He chairs the Flood Resilience Group (FRG) of IHE Delft.</p>
<p>Dr. Keigo Nakamura</p> 	<p>Dr. Keigo Nakamura works as a Leading River Restoration Expert in the Ministry of Land, Infrastructure, Transport and Tourism (MLIT) of Japan. He is now Head of River Restoration Team and Director of Aqua Restoration Research Center, Public Works Research Institute. His background is in civil and environmental engineering. He has experience in both research and administration. Recently he is a committee member and technical head of Green Infrastructure Public-Private Partnership Platform.</p>
<p>Prof. Lee-Hyung Kim</p> 	<p>Prof. Lee-Hyung Kim received BS and MS from Korea University and doctoral degree from University of California, Los Angeles (UCLA), USA. His primary research topics are environmental and water resources, with emphases on water quality, decentralized stormwater management, sediment control, ecological engineering, low impact development (LID), Nature-based Solutions, etc. Since 2009, he is a board member of 'IWA diffuse pollution specialist group' and organized the 19th International Conference on Diffuse Pollution & Eutrophication on 2019 in Korea. He is performing many government research projects and international joint research projects with Hongkong, France, UK, and others. He published about 120 research papers on international journals and 110 papers on Korean journals.</p>
<p>Dr. Anna Tengberg</p> 	<p>Dr. Anna Tengberg is a Senior Adviser at SIWI, Swedish Water House (SWH), an adjunct professor at Lund University Centre for Sustainability Studies (LUCSUS). She holds a PhD in Physical Geography from Gothenburg University. She has lived and conducted fieldwork and research in many different parts of the world and published papers on various aspects of natural resources management and assessment. She was a UN employee for more than a decade, first with UNEP Headquarters in Nairobi and later with the UNDP Regional Centre for Asia-Pacific, with a focus on sustainable land management and integrated ecosystem management portfolios at the global level. Anna currently works with the thematic area Water for Resilient Landscapes at SIWI, and she is also involved in SIWI's ongoing programme in Ethiopia on Strengthening Water and Landscape Governance.</p>