



SIWW WEBINAR SERIES

Co-organised with:  **ARCADIS**

Endorsed by:



Kingdom of the Netherlands



**Singapore
International
Water Week**

Urban Coastal Resilience

6 July 2020, Monday | 4.00pm to 5.00pm SGT (GMT +8)

Coastal cities worldwide are facing the combined challenges of urbanisation, climate change, sea level rise and increased flood risks. To safeguard communities and business interests, coastal cities want to become more resilient. Ongoing urbanisation requires precious urban space and puts more pressure on already densely built waterfronts. This limits the potential for implementation of flood protection and sustainable means for water storage, leading to substantially higher costs to protect urban cities.

One of the ways to deal with this complex combination of challenges, is by integrating urban climate resilience, coastal protection, urban development, and in some cases, land reclamation. An innovative and ecosystems friendly solution to extend and improve our coastlines would be Building with Nature or “Living Shorelines” which uses the forces of nature rather than fight against it.

Why you should attend:

Get perspectives from leading experts actively involved in planning, building, and safeguarding resilient and sustainable coastlines

Gain insights from real-life case studies that discuss the challenges, benefits, successes, and impacts on cities such as Amsterdam, New York, and Singapore

City Backgrounds

Amsterdam, Netherlands

In the Netherlands, a quarter of land lies below sea level, with 60% of the population vulnerable to flooding. However, it is now protected by the safest flood protection system in the world. The city of Amsterdam is among Netherlands' flood prone areas, with Schiphol Airport at more than 4 meters below sea level. Many of the urban waterfronts near the city center that were originally used for trade, industry, or shipping, are now transformed into high value sustainable, resilient, and multifunctional areas for housing, businesses, tourism and recreation.

Through this webinar, learn about the experiences with this urban waterfront (re)development in Amsterdam.

New York

The coastal storm surge resulting from Hurricane Sandy caused unprecedented damages to New York City and Manhattan in 2012 where critical city infrastructure was inundated. The socio-economic impacts of this disruption exposed New York's vulnerability to coastal flooding and its need for more resilience.

Through this webinar, learn about the experiences from New York and the Manhattan East Side Coastal Resiliency Project – an integrated flood protection system that will take 30,000 households out of the 100-year flood plain, safeguarding the local community, their businesses and infrastructure through nearly 2.5 miles of enhanced public waterfront.

Singapore

The island city-state of Singapore is among the world's largest financial centers and one of its busiest ports. About 30 percent of Singapore lie less than 5 meters above sea level. Jurong Island and the stretch of land between East Coast and the city center of Singapore are among the most vulnerable, with many residential, commercial, and industrial properties dotted along the coastline.

Without proper resilience planning, unabated climate change could lead to water related hazards that could threaten Singapore's economy and Singaporeans' way of life.

Through this webinar, learn about how Singapore intends to deal with coastal adaptation and sea level rise.

Speakers:



HAZEL KHOO
Director, Coastal Protection
PUB, Singapore's National Water Agency



ROELOF KRUIZE
Chief Executive Officer
Waternet



PIET DIRCKE
Global Leader
Resilience & Water Management
Arcadis



EDGAR WESTERHOF
Flood, Risk & Resilience Director
Arcadis, North America



LAURA VONHÖGEN-PEETERS
Associate Director Singapore Operations
Deltares

REGISTER NOW



About SIWW
The Singapore International Water Week (SIWW) is the global platform to share and co-create innovative water solutions. The biennial event gathers stakeholders from the global water industry to share best practices, showcase the latest technologies and tap business opportunities. SIWW is part of the strategic programme of the Singapore Government to grow the water industry and develop water technologies.



About ARCADIS
Arcadis is a leading global Design & Consultancy uniquely positioned to help clients with resiliency strategies and mitigating the increasing threat of climate change. With centuries of experience protecting the flood-prone Dutch coastline to storm proofing cities in Asia, Europe and North America, our expertise spans from planning, designing, assessing to maintaining water resiliency systems across the globe. We understand the complexities, risks, vulnerabilities and disruptions associated to these threats and provide solutions to enhance the quality, safety and adaptability of urban and coastal ecosystems. Working with UN-habitat, Arcadis provides knowledge and expertise to improve quality of life in rapidly growing cities and those most impacted by climate change.

Stay connected with us:



www.siww.com.sg



[@siww.com.sg](https://www.facebook.com/siww.com.sg)



[@waterweeksg](https://twitter.com/waterweeksg)



[@siwwlinkedln](https://www.linkedin.com/company/siwwlinkedln)

