



AMSTERDAM
INTERNATIONAL
WATER WEEK



30 October - 3 November 2017

The Amsterdam International Water Week (AIWW) is the platform for **new alliances and fresh ideas**: connecting industry, science, business, policy and technology.

Your one stop shop for inspiration, expertise, leadership and solutions, offering a unique combination of events:

- The AIWW conference
- Aquatech Amsterdam
- Floodex Amsterdam
- Excursions to 'Living Lab' the Netherlands
- Sarphati Sanitation Awards
- Young Water Professionals Programme

Let's achieve real breakthroughs
Come to the Amsterdam
International Water Week

www.internationalwaterweek.com

ORGANISERS:



THE AMSTERDAM INTERNATIONAL WATER WEEK

Join mayors, CEOs,
investors, policy makers
and leading experts and be
part of the breakthrough

Lykke Leonardsen:
Programme Leader for
Green Urban Solutions,
City of Copenhagen



‘We are looking to develop
solutions that have not been
tested around the world before’

‘ACHIEVING REAL BREAKTHROUGHS’



The Amsterdam International Water Week (30 October-3 November 2017) is a bi-annual highlight for my city and the Netherlands. It gives me great pleasure to welcome 20,000 passionate leaders and professionals, driven to make the transition to a circular and resilient water environment.

Amsterdam has long pursued sustainable urban development, resulting in a timeless, enduring cityscape. The focus is on energy and raw materials transfer, open planning, climate proofing, mobility and electric transport. Our integrated approach to water and waste management is inspiring. Everything from drinking water to sanitation is managed by a single company, Waternet, which works closely with AEB, a company specialized in extracting energy from waste. The expertise of these two companies, when bundled with the expertise and experience of the city in the areas of spatial planning and sustainability, forms a ‘golden triangle’ of know-how and best practices.

But we remain ambitious. That is why we submitted our ‘clean capital initiative’ as a case for the Amsterdam International Water Week conference. I look forward to be inspired by the new insights and solutions the AIWW delegates will bring to the table. It will help us accelerate the transition to a circular economy and a sustainable future. I invite leaders from cities, industries and utilities to join us in Amsterdam!

Together, we can achieve real breakthroughs.

Eberhard van der Laan,
Mayor of Amsterdam

THE AMSTERDAM INTERNATIONAL WATER WEEK

Search for solutions for a world with nine billion people by offering a unique combination of events and professionals. Showcasing the latest solutions, bringing together leaders and experts, tackling real life cases submitted by cities and industries.

This is what the week has to offer:

Amsterdam International Water Week Conference

‘Water and nine billion people’ is the theme of this year’s conference. Creating a circular and resilient water environment in high density living areas. Inspiring conference with leading experts and representatives from cities, industries and utilities. With a new concept: tackling real life cases and matching them to solutions. For an outline of the programme see page 7.

Aquatech Amsterdam 2017

31 October - 3 November 2017



Aquatech Amsterdam is the world’s leading trade exhibition for process, drinking and wastewater, featuring a European trade exhibition with a 100% focus on water. Over 900 exhibitors showcase the latest technologies. Innovation takes centre stage with for example the Aquatech Innovation Award and the Innovation Avenue.

Floodex Europe 2017

31 October - 1 November 2017

Floodex Europe is the international trade event for flood control, prevention, mitigation, drainage and water level management in rural, urban and coastal regions. The trade event focuses on equipment, solutions, knowledge and opportunities around preventing and dealing with flooding. Bringing together the key stakeholders that are working to implement practical and sustainable solutions in this expanding sector. This first European show running 31 October and 1 November 2017 is expected to draw at least 2000 visitors, with some 80 international exhibitors.

Excursions

Experience the Dutch delta as a ‘living lab’ for integrated solutions towards a circular economy and resilient cities.

Some highlights:

- Marker Wadden by Boskalis and Natuurmonumenten, one of the largest nature restoration projects in Western Europe. Building with Nature project par excellence on the Markermeer lake

- Heineken Experience Amsterdam and Heineken Waste Water Treatment Plant
- City development Amsterdam-North and Buiksloterham, the first laboratory for a circular economy neighbourhood with new sustainable sanitation and new energy concepts in upcoming city development
- Amsterdam Water Cycle and the historic city center: a canal boat tour
- Main elements of the Dutch Room for the River Programme; Maeslantkering (Delta work) and Noordwaard Polder
- Waste Water Treatment Plant and Waste to Energy Plant AEB Amsterdam, transforming waste into new resources and energy
- Flood protection and climate adaptation in the cities of Amsterdam and Rotterdam, vital infrastructure and urban rainproof projects
- State-of-the-art Waste Water Treatment: Innovation of Nereda© technology in the city of Epe
- High technical innovative water purifications at drinking water treatment plant of OASEN

(The excursions are part of the AIWW conference, to register please go to www.internationalwaterweek.com)

Young Water Professionals Program



Inspiration from the next generation. Meet the professionals of tomorrow or take part in the extensive young water professionals programme.

Sarphati Sanitation Award

Which entrepreneurs will follow in the footsteps of Doctor Samuel Sarphati? The biennial ‘Sarphati Sanitation Award’ was inspired by Dr. Samuel Sarphati, a doctor who contributed to the cholera free status of the City of Amsterdam as far back as the end of the nineteenth century. He achieved this by initiating a business to collect and transport human excreta out of town and use it as fertilizer to grow crops, thus improving the health status of the fast growing population of Amsterdam. Meet the prize winners of 2017!

AMSTERDAM INTERNATIONAL WATER WEEK 2017

PROGRAMME AT A GLANCE

30 October–3 November

The Amsterdam International Water Week is one of the most diverse and innovative water events in Europe. Cities, utilities and industries meet at all levels. The unique combination of the world renowned Aquatech Exhibition, Floodex and the Amsterdam International Water Week conference, means that solutions and business connect with policy and science to discuss a broad range of subjects. A unique opportunity to share your views with over 25,000 experts.

SATURDAY 28 OCTOBER	SUNDAY 29 OCTOBER	MONDAY 30 OCTOBER	TUESDAY 31 OCTOBER	WEDNESDAY 1 NOVEMBER	THURSDAY 2 NOVEMBER	FRIDAY 3 NOVEMBER
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**INSPIRING EXHIBITIONS:
AQUATECH AND FLOOD EX EUROPE**

YOUNG WATER PROFESSIONALS PROGRAMME

MORNING



EXCURSIONS
TO THE LIVING LAB

SIDE
EVENTS

AIWW CONFERENCE

KEYNOTE SESSION

CASE SESSIONS
SOLUTION
WORKSHOPS

CASE
SESSIONS

LEADERS
FORUM

CASE SESSIONS
SOLUTION
WORKSHOPS



SIDE EVENTS*



EXCURSIONS
TO THE LIVING LAB

AFTERNOON

PUBLIC EVENT

PUBLIC EVENT

AIWW WELCOME*
AND HIGH LEVEL
ROUND TABLE*

CASE
SESSIONS

LEADERS
FORUM
KEY
NOTES

CASE SESSIONS
SOLUTION
WORKSHOPS

CASE
SESSIONS

LEADERS
FORUM*

CONCLUDING
SESSION



EXCURSIONS
TO THE LIVING LAB

EVENING

AIWW OPENING
CEREMONY

AIWW LEADERS
DINNER*

CONFERENCE
DINNER

AIWW DINNER*

* INVITATION ONLY

THE AIWW CONFERENCE

'Water...and nine billion people' is the subject of the Amsterdam International Water Week conference. How do we achieve a safe, clean and sustainable water future in high density living areas? Our goal is to facilitate real breakthroughs on this subject and to follow up on the discussions until we reach that goal.

We will be matching concrete, real life water cases and case owners to international experts and solutions. A case can be a city facing specific water challenges, an industry wishing to reduce its water footprint or a region wanting to increase agricultural yield with less water. A solution is anything that can help us in the transition to circular and resilient water environment in high density living areas.

THE 4 MAIN CHALLENGES

AIWW 2017 has identified the four main water challenges facing the cities and industries of tomorrow. These challenges are the binding principle in all cases, and solution workshops.

1. WATER EFFICIENCY AND VALUE

Keywords: value chain, growth, water efficiency, water footprint, water stewardship, compliance, viable investments, economies of scale, FIIG, asset management, finance strategy and implementation, blue economy and resilient business models.

2. WATER MANAGEMENT AND RESILIENCE

Keywords: climate change & water resilient (urban) structures, collaborative and transformative adaptation,

transition infrastructure and (re)designing with water, adaptive water allocation and resilient industries, infrastructure and utilities models.

3. INSTITUTIONAL TRANSITION AND GOVERNANCE

Keywords: resilient governance, institutional capacity, water partnerships, governance, partnering and transboundary dialogue.

4. INNOVATIVE WATER SYSTEM IMPLEMENTATIONS

Keywords: recovery of valuable materials like calcium pallets, bioplastics, alginate and fertilizers, energy and nutrients, ammonia from digestate, solid dry brine from desalination, alginate from granular sludge, management of micro pollutants, desalination, decentralized treatment.

AIWW CONFERENCE CASE- AND SOLUTION SESSIONS DRAFT

THIS IS A FIRST OUTLINE, MORE SESSIONS, WORKSHOPS AND DETAILS TO FOLLOW

	TUESDAY 1 CASES	TUESDAY 2 CASES	WEDNESDAY 1 CASES	WEDNESDAY 2 CASES	WEDNESDAY 3 CASES	WEDNESDAY 4 CASES	WEDNESDAY 5 SOLUTION WORKSHOP	WEDNESDAY 6 SOL	WEDNESDAY 7 SOL
09.00 - 10.30	KEYNOTES: confirmed: Mayor Aboutaleb (Rotterdam) and Minister Masagos Zulkifli (Singapore) kick off the Tuesday with inspiring key notes		Case 1 Resource Recovery and Circular Water Cycle. Different issues will be addressed: water as a value driver in a supply chain, to nutrients, to new design arrangements. Moderator: Markvan Loosdrecht, TU Delft	Case 6 Resilient Cities & Utilities and Climate Change Adaptation. The variety in measures for resiliency is huge: it focusses on increasing extreme rainfall, and at the same time extreme droughts globally. To cope with this, cities need to adapt to climate change with infrastructure transitions and an important focus needs to be on critical delta areas globally. Moderator: John Batten, Arcadis		Case 12 Water Operator Partnerships and institutional capacity. Institutional goals for WOPs. Showcasing a unique peer to peer support model that is designed for the SDG Horizon 2030. Moderator: Katharine Reiche (CEEP) ((tbc))	Solution Workshop 1 Appropriate Finance & Resilient Business Models, blue economy (Wednesday). Unpacking and fixing the mismatch between water and finance. Moderator: Menno Holterman, Nijhuis Industries, Co chair Amsterdam International Water Week	Solution Workshop 8 New ICT and data: solutions in water management. Application of new ICT and data. Moderator: Ruud Grimm, Netherlands Space Office ((tbc))	Solution Workshop 9: Water Treatment implementation. Different solutions are presented. From resource recovery to water and energy and water and wastewater treatment. Moderator: Ricardo Cepeda Marquez., c 40 cities climate leadership group
11.00 - 12.30	Case 14 Water & Crises. How to share and govern the worlds' fresh water resources and how to adequately prevent and respond to water crises.	Case 8 Adaptive (Ground) water allocation for robust water supply. New insights on guaranteed sufficient (future) freshwater supply for better business and climate. Moderator: Wim van Vierssen (KWR)	Case 2 Value Chain, Water Footprint and Stewardship. Water Stewardship 2.0, stakeholder participation in stewardship and the aim for industry to reach SDG's is the central issue in this session. Moderator: Henk Jan Top, Accenture.	Case 5 Resilient Regions and climate change adaptation. Focus on Europe, Caribbean and Asia. How to develop adaptive, sociotechnical measures and strategies to cope with climate change events. Session lead by PEARL consortium. Moderator: Zojan Vojinovic, Urban Water Systems, Unesco IHE	Case 15 Handling Micro Pollutants. How to abate emerging contaminants from the urban water cycle. Including stakeholders, transnational riverbasins. Moderator: Claudia Castel Exner (vice chair Eureau & vice director DVGW)	Case 3 Energy and water, recovery and neutrality. Becoming climate neutral, improve energy savings and and get energy out of the water cycle are issues that will be addressed in this session. Moderator: Bruno Tisserand, Chair EURO ((tbc))	Solution Workshop 3: New Tech Ventures & Upscaling. Tackle difficulties of reaching sustainability and scalability of pilot projects in the watersector is the central issue of this session. The issue will be introduced by Constantijn van Oranje, start up ambassador. Moderator: Tomas Michel, WssTP	Solution Workshop 5 Sarphati Sanitation Award. Winners of the Sarphati Sanitation Award present their solutions. Financial and sanitation experts discuss bankability and finance-ability.	Solution Workshop 6: Water Cycle Recovery and Reuse implementation. Resource and energy from the water cycle means new products. New products need new users and buyers. This workshop focusses on new technologies and products that accelerate this process. The workshop will have 3 issues: New Resources; New Energy; New Business. Moderator: Willy Verstraete, Gent University Belgium
14.00 - 15.30	Case 9 Water Management and COP 23 Bonn Agreement. Co convened with UN Climate Change Knowledge Centre. Pinpointing Cross Cutting Topics on Climate Change and support for dealing with climate change Moderator: Henk Ovink Special envoy, Dutch Govt	Case 16 Smart Cities & Water Resiliency By 2050 6 billion people will be living in cities (UN). New ideas and innovative solutions for expanding urban areas. Moderator: Ajren van Timmeren, AMS institute	Case 4 Water and Finance, strategy and compliance. Unpacking the exact challenges and opportunities for investors to engage in water. Moderator: Piet Klop, Pension Fund PGGM		Case 17 Asset Management. Case session 17 focuses on state of the art Asset management cases globally and innovative solutions supporting asset management strategies and implementation.	Aquatech Innovation Award 		Solution Workshop 7: Handling Emerging Contaminants: new tools and techniques for detection and removal. It is generally acknowledged that the provision of microbiologically safe drinking water requires knowledge of the emerging contaminants (chemical, pathogens) in water sources, to be able to demonstrate sufficient treatment is in place to manage the risk. This solution workshop focusses on new tools and techniques for detection as well on removal technologies. Moderator: Ilje Pikaar, University of Queensland	
16.00 - 17.30	Case 7- Redesigning River Basins & Transboundary Dialogue. How to be flood resilient and preserve high water quality across borders with respect for people, planet and profit. Moderator: Walter Kling, IAWD (tbc)	Case 13 Public Awareness, Social Change and New Customer Concepts. Creating increasing public awareness is crucial, social change is needed and there is a need for new solutions to support the transition towards a Circular and Blue Economy. Moderator: Wim Drossaert, Dunea	AIWW CONCLUDING 		Inspiring closing session with highlights of the conference				

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MEET THE INTERNATIONAL PROGRAMME COMMITTEE

for the Amsterdam International Water Week Conference:

Ambika Jindal	ING (Retail Bank)
Annemiek Nijhof	TAUW, advice and engineers
Annette Bos	RAI Amsterdam, The Netherlands
Arjen Hoekstra	University of Twente, The Netherlands
Arjan van Timmeren	Amsterdam Institute for Advanced Metropolitan Solutions (AMS)
Arjen Frentz	Eureau/VEWIN (The Association of Drinking Water Companies in The Netherlands)
Arnoud Molenaar	Municipality of Rotterdam, The Netherlands
Barbara Anton	ICLEI - Local Governments for Sustainability
Betsy Otto	World Resource Institute
Cees Buisman	WETSUS, European centre of excellence for sustainable water technology
Christopher Gasson	Global Water Intelligence
Geoff Gage	Amane Advisors
Ger Bergkamp	International Water Association (IWA)
Guy Alaerts	IHE Delft
Hein Pieper	Dutch Water Authorities, The Netherlands
Henk Ovink	Ministry of Infrastructure & the Environment, The Netherlands
Henk Jan Top	Accenture
Jose Luis Inglese	AYSA
John Batten	Arcadis
Joppe Cramwinckel	Visiting professor Nanyang Technological University (NTU) School of social sciences (Economics)
Jorg Simon	Berlin Wasser, Germany
Josef Klingner	Global Water Research Coalition
Lisette van Doorn	Urban Land Institute EUROPA
Lykke Leonardsen	Municipality of Copenhagen, Denmark
Mark van Loosdrecht	Technical University Delft, The Netherlands
Martijn Kruisweg	Head of Sustainability – AkzoNobel Performance Coatings
Menno Holterman, co-chair	Nijhuis Industries
Paul Mc Neillis	DNV-GL
Piet Klop	PGGM Investments
Ricardo Cepeda-Marquez	C40 Cities Climate Leadership Group
Roelof Kruize, co-chair	Waternet, watercycle company Amsterdam
Ron Thiemann	Deltares
Sharon Keren	Tel Aviv Water Company, Israel
Stephen Hart	EU Investment bank
Sudhir Murthy	DC Water
Tomás Michel	Water Supply and Sanitation Technology Platform (WSSTP)
Willy Verstraete	Gent University, Belgium
Wim Drossaert	Dunea drinking water company, The Netherlands
Wim van Vierssen	Water Top Sector, The Netherlands

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