



AMSTERDAM
INTERNATIONAL
WATER WEEK



Full programme

30 OCTOBER – 3 NOVEMBER 2017

AMSTERDAM INTERNATIONAL WATER WEEK

Join 25,000 experts at AIWW Conference, Aquatech Amsterdam, the Young Water Professionals programme, Sarphati Sanitation Awards, and Excursions to the 'Living Lab' the Netherlands.

LET'S
ACHIEVE
REAL BREAK-
THROUGHS!

AMSTERDAM INTERNATIONAL WATER WEEK 2017

30 OCTOBER – 3 NOVEMBER | RAI AMSTERDAM

The Amsterdam International Water Week (AIWW) is one of the most diverse and innovative water events in Europe. The unique combination of the world-renowned Aquatech Amsterdam exhibition and the AIWW Conference means that solutions and business connect with policy and science to discuss a broad range of subjects. The AIWW will be showcasing the latest solutions and innovations, bringing together leaders and experts, introducing new platforms, tackling real life cases submitted by cities, utilities and industries. A unique opportunity to share your views with 25,000 experts. Get inspired, join in with the discussions and be part of this unique and exciting event.

Come to the Amsterdam International Water Week and join water leaders from all over the world. Together we will explore a new era with increasing global developments on resiliency, optimal resource efficiency and the transition to a more circular economy.

LET'S
ACHIEVE
REAL BREAK-
THROUGHS!



"The AIWW is a bi-annual highlight for my city and the Netherlands. It gives me great pleasure to welcome passionate leaders and professionals from all over the world, driven to make the transition to a circular and resilient water environment."

Eberhard van der Laan,
Mayor of Amsterdam

"Our transition to a sustainable economy needs the movement of large amounts of financial capital toward low-carbon, less water-intensive investments. At AIWW I look forward to discussing investors' ever-growing demands for transparency, as they look to better understand the water-related risks and opportunities their portfolio companies face and their actions to ensure water security."

Laurant Babikian, CDP



"Our wastewater treatment plants run for seventy percent on renewable energy that we generate in both fields water and wastewater with windmills and converting sludge into biogas. We are working hard to work energy efficiently. Our main target is to contribute as much as possible to carbon reduction. At AIWW, I hope to contribute to the discussion that utilities are water and waste water managers as well as energy suppliers."

Jörg Simon,
Berliner Wasserbetriebe

AIWW OPENING CEREMONY

You are invited to attend the Opening Ceremony of the Amsterdam International Water Week on Monday 30 October, 16.00 - 17.15 hr. A starting point for an inspirational week buzzing with experts, inspiring cases & solutions, products & techniques, networking opportunities, and much more! The Opening Ceremony gives centre stage to renowned speakers highlighting important developments in the field of water, alternating with spectacular entertainment and award-winning innovations.

Invited to speak at the opening of the AIWW are Mrs Laura Tuck, Vice President of the World Bank Group and Mr Eberhard van der Laan, Mayor of Amsterdam.

The AIWW Opening Ceremony also forms the backdrop for the Sarphati Sanitation Awards 2017 for Life-time Achievement in the creation of demand for sanitation and for the Young Entrepreneurs category, and the Aquatech Innovation Awards. The winners of these prestigious prizes will be announced during the Opening Ceremony.

The High Level Panel on Water, an important initiative by the UN and World Bank to support the implementation of

the Sustainable Development Goals, will be addressed during the Opening Ceremony.

Traditionally, at the end of the AIWW Opening Ceremony there is every opportunity to meet other experts during the networking reception.



Laura Tuck, Vice president World Bank Group

EXTENSIVE PROGRAMME

The AIWW offers an inspiring combination of events:



AMSTERDAM INTERNATIONAL WATER WEEK CONFERENCE

The theme of this year's AIWW Conference is 'Water... and nine billion people. Creating a circular and resilient water environment in high-density living areas'. We look forward to an inspiring conference with leading experts and representatives from cities, industries and utilities. With a new concept: tackling real life cases and matching them to suitable solutions. For more information on the programme and speakers see pages 8-9 or have a look at the most recent programme outline on www.internationalwaterweek.com

AQUATECH AMSTERDAM

Aquatech Amsterdam is the world's leading trade exhibition for process, drinking and waste water. Meet face-to-face with 21,000 visitors from over 140 different nationalities, and with 900 exhibitors at Aquatech Amsterdam 2017. Experience the latest solutions for today's challenges with all the experts in the field. During four action-packed days, you will discover the latest trends, make profitable business relationships, exchange ideas and enhance know-how. Innovation takes centre stage with, for example, the Aquatech Innovation Award and the Innovation Avenue.

www.aquatechtrade.com/amsterdam

YOUNG WATER PROFESSIONALS (YWP) PROGRAMME

Inspiration from the next generation. That's what the Young Water Professionals programme is all about. A special programme, organized by and for young water professionals, includes workshops, debates and many more activities to help young professionals build a network and gain new skills and knowledge. Does this trigger your curiosity? Go to www.young-iww.com for more information. As part of the YWP programme, the innovation-provoking Wetskills competition will also take place during the Amsterdam International Water Week.

SARPHATI SANITATION AWARDS

This year the Sarphati Sanitation Awards will be handed out for the third time during the Amsterdam International Water Week Opening Ceremony on 30 October. The biennial Sarphati Sanitation Awards (SSA) honours outstanding contributions of individuals and organisations to the global sanitation and

public health challenge through entrepreneurship. These Awards are 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. Meet the prize winners of 2017 at AIWW!

EXCURSIONS TO THE 'LIVING LAB' THE NETHERLANDS

Experience the Dutch delta as a 'living lab' for integrated solutions towards a circular economy and resilient cities. Complete your visit to the AIWW 2017 by joining one or more excursions. More information can be found on page 10.

SIDE EVENTS

Side events are an added bonus to the AIWW Conference programme, extending the exchange of knowledge and inspiration even further. Many organisations seize the opportunity to host their event during the Amsterdam International Water Week, thus offering their participants the opportunity to mingle with 25,000 water professionals. The AIWW is hosting several side events on Monday 30 October, and Thursday 2 and Friday 3 November. Some examples:

- Valuing water – Government of the Netherlands within the frame work of the Valuing Water Initiative being one of the initiatives of the High Level Panel on Water
- Quantifying uncertainties in Integrated Catchment Studies (EU-Quics) – Delft University of Technology
- Latin America side event – NWP
- Marine & Energy side event – NWP
- Holistic flood risk approach for coastal communities – IHE Delft and IWA
- Smart Water Management; unravelling the value of sensing data – SW4EU

For more information:

www.internationalwaterweek.com/programme/side-events/

PUBLIC EVENT - DESIGNATHON

During the AIWW a special Amsterdam Water Designathon edition will take place on the 29 October: a unique design thinking method developed for children to unleash their creativity.

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 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 25,000 experts.

SUNDAY 29 OCTOBER		MONDAY 30 OCTOBER		TUESDAY 31 OCTOBER		WEDNESDAY 1 NOVEMBER		THURSDAY 2 NOVEMBER		FRIDAY 3 NOVEMBER	
				AQUATECH AMSTERDAM EXHIBITION							
YOUNG WATER PROFESSIONALS PROGRAMME											
	EXCURSIONS TO THE LIVING LAB	SIDE EVENTS	AIWW CONFERENCE					SIDE EVENTS		EXCURSIONS TO THE LIVING LAB	
			KEYNOTE SESSION	KEYNOTE SESSION	CASE SESSIONS SOLUTION WORKSHOPS						
			CASE SESSIONS SOLUTION WORKSHOPS	LEADERS FORUM PLENARY KEYNOTES	CASE SESSIONS SOLUTION WORKSHOPS						
			LUNCH								
PUBLIC EVENT	EXCURSIONS TO THE LIVING LAB	SIDE EVENTS	CASE SESSIONS SOLUTION WORKSHOPS	LEADERS FORUM ROUNDTABLE DISCUSSIONS*	CASE SESSIONS SOLUTION WORKSHOPS		SIDE EVENTS		EXCURSIONS TO THE LIVING LAB		
			AIWW WELCOME** AND HIGH LEVEL ROUNDTABLE**	INTEGRATED LEADERS FORUM	CONCLUDING PLENARY SESSION						
			AIWW OPENING CEREMONY		AIWW LEADERS DINNER**					CONFERENCE DINNER	
			AIWW DINNER**								
AMSTERDAM INTERNATIONAL WATER WEEK											
AQUATECH AMSTERDAM											

* BY INVITATION ONLY WITH LIMITED ACCESS FOR A NUMBER OF SELECTED DELEGATES

** BY INVITATION ONLY

AIWW CONFERENCE

31 OCTOBER – 1 NOVEMBER 2017

‘WATER...AND NINE BILLION PEOPLE’

How do we achieve a safe, clean and sustainable water future in high-density living areas? At the AIWW Conference, 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 a circular and resilient water environment in high density living areas. A game-changing innovation, an in-depth analysis, a best practice, new scientific insights, financial or governance models.

We aim for a series of ‘Amsterdam Agreements’ where case owners, and experts, suppliers and investors, pledge to continue their work until they reach the goals that they have set. To accelerate the transition to a resilient and circular water cycle we need action. The ‘Amsterdam Agreements’ will support new partnerships and scaling up of new solutions. The ‘Amsterdam Agreements’ are focused on 1) research, 2) public -private and 3) public - public partnerships

4 main challenges

The AIWW Conference has identified four main water challenges facing the cities, utilities and industries of tomorrow. These challenges are the binding principle in all cases, the in-depth labs and other contributions.

1. Water efficiency and Value
2. Water management and Resilience
3. Institutional transition and Governance
4. Innovative water system implementations

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FOR THE AIWW
CONFERENCE
AT

WWW.INTERNATIONAL
WATERWEEK.COM

CASES FROM THREE INSPIRING PIONEERS

Amsterdam, Rotterdam and AkzoNobel, all pioneers in innovation when it comes to sustainability, were the first to submit a case.

INDUSTRY CASE

SECTORAL SUPPLY CHAIN CONNECTIONS FOR VIBRANT LOCAL MARKETS OF WASTE AND RAW MATERIALS

Case owner: AkzoNobel

Leader: Martijn Kruisweg, Manager Commercial Excellence and Sustainability Management, AkzoNobel

Product, energy and water flows offer opportunities for complementary links which lead to reduced material use, energy savings, cost reductions and additional revenues. A highly integrated, dynamic and sustainable chain of companies that purchase each other’s quality products, services and processes. This case will invoke dialogue to boost water into a value driver, not only for AkzoNobel but for the whole supply chain and users from cross-sectoral activities and markets.

CITY CASE

RESILIENT ROTTERDAM FROM STRATEGY TO IMPLEMENTATION, CITY OF ROTTERDAM

Case owner: Ahmed Aboutaleb, mayor of the City of Rotterdam

Leader: Arnoud Molenaar, chief resilience officer, City of Rotterdam

Rotterdam is a member of the 100 Resilient Cities programme pioneered by the Rockefeller Foundation. In this context, the City of Rotterdam launched its first ever Resilience Strategy in May 2016 (www.resilientrotterdam.nl). Together with several departments and stakeholders in the city, this Resilience Strategy has been developed as follow-up to the climate change adaptation strategy in 2013. The need for a next step in climate resilience is clear. This step will include crossovers between social challenges, climate change, governance issues, transitions in energy and digitization. Specific challenges addressed in this strategy and its action plan are for example:

- a) the cyber resilience of our water system;
- b) vertical evacuation in case of a flood event;
- c) the use of flexible temporary flood defences during a flood event.

UTILITY CASE

CLEAN CAPITAL: COMBINING RESEARCH AND MATCH MAKING BETWEEN WASTE AND INNOVATIVE TECHNOLOGIES

Case owner: Utility Waternet, City of Amsterdam

Leader: Roelof Kruize, CEO Waternet, City of Amsterdam

Waternet, the Port of Amsterdam and waste to energy company AEB started the Clean Capital initiative. The platform is a marketplace where waste streams are offered and innovative parties can present their technologies that upgrade waste streams into valuable resources. Currently the Clean Capital initiative operates in the Amsterdam metropolitan region. To stimulate the transition to a circular economy, expansion of the initiative is desired. The economy of scale will help to enlarge the supply and the demand for renewable resources. Therefore, new revenue models are welcome.

See the complete Conference programme scheme on pages 8-9 and on www.internationalwaterweek.com.

INSPIRATIONAL SPEAKERS



Carlos Ratti,
AMS/MIT



Jose Luis Inglese,
AYSA Buenos Aires



Peter Joo Hee Ng,
PUB Singapore



Mark van Loosdrecht,
Delft University of
Technology



Tomás Michel,
WssTP



Betsy Otto,
World Resources
Institute

AIWW CONFERENCE SPECIAL: LEADERSHIP PROGRAMME

31 OCTOBER 2017



Water management has entered a new era of complex and unpredictable risks, challenges and opportunities. With a growing world population, climate change and encroaching demographic changes, global leaders need to address multiple issues to secure a sustainable water future. Therefore, the Amsterdam International Water Week invites the world’s industrial, city and water leaders to the AIWW Leadership Programme.

JOIN MAYORS, CEOs, INVESTORS, POLICY MAKERS AND LEADING EXPERTS

The AIWW Leaders Forum is about translating shared knowledge into action. Leaders from cities, industries and utilities will bring their water cases and solutions to the table. These are real water issues which will be matched with relevant stakeholders and experts. With our Mix, Meet and Match concept – defining the case, bringing together the high level community, looking for opportunities to implement, and scale up – we aim to achieve real breakthroughs. Outcomes of all discussions are action oriented and aimed at building partnerships.

And to bring it a step further, the global water leaders will not only discuss what the challenges are, but also their interlinkages with climate and thus with energy, food, urbanization and globalization. Bringing together these leaders in thought-provoking sessions, breakthrough solutions, ideas and innovations that can help change both the narrative and reality of water risks will be brought forward.

BE PART OF THE BREAKTHROUGH

AIWW will facilitate next steps to make the Leaders Forum ideas a reality. The Leaders Forum creates an inspiring environment

inviting global water leaders to make action orientated commitments that contribute to a circular and resilient water environment in high-density living area. Creating a long term vision and building upon the results of the AIWW 2015 Leaders Forum.

The plenary keynotes and the integrated Leaders Forum are accessible for all conference attendees. The Leaders Forum discussions are by invitation only, with limited access for a number of selected delegates who are interested in joining the forum. The breaks and the AIWW Leaders dinner allow ample time to network with leaders from different sectors and parts of the world.

PROGRAMME

09:00 – 10:30	Conference Keynote session
11:00 – 12:30	Three Plenary Sessions: City/Utility/Industry
14:00 – 15:30	Three parallel round table session: City/Utility/Industry *
16:00 – 17:30	Plenary Integrated Leaders Forum
17:30 – 18:15	Trade Fair Reception
19:00 – 22:00	AIWW Leaders dinner at Amsterdam Tower**

* by invitation only with limited access for a number of selected delegates

** by invitation only

See the complete Conference programme scheme on pages 8-9 and on www.internationalwaterweek.com.

AIWW 2017: THE 4 MAIN CHALLENGES

AIWW 2017 has identified the four main water challenges facing the cities, utilities and industries of tomorrow. These challenges are linked to concrete examples in all case sessions and solution workshops during the conference. The themes are:

1. Water efficiency and Value

2. Water management and Resilience

3. Institutional transition and Governance

4. Innovative water system implementations

Leadership Programme

CONFERENCE PROGRAMME 31 OCTOBER

AIWW Conference programme is subject to change

09:00 - 10:30				
Session Keynote Conference				
10:30 - 11:00				
Morning Break				
11:00 - 12:30				
Solution Workshop Sarphati Sanitation Award	Case Session Smart City & Water resiliency	Leaders Forum Industry Plenary Keynotes	Leaders Forum City Plenary Keynotes	Leaders Forum Utility Plenary Keynotes
12:30 - 14:00				
Lunch Break		Speakers corner	Floodex Europe Launch event	
14:00 - 15:30				
Case Session Adaptive (Ground) Water Allocation for a robust water supply	Case Session New water management innovations, valorization cases and field labs	Leaders Forum Industry Leaders Discussion*	Leaders Forum City Leaders Discussion*	Leaders Forum Utility Leaders Discussion*
15:30 - 16:00				
Afternoon Break				
16:00 - 17:30				
Case Session Public Awareness, Social Change and New Customer Concepts	Case Session Redesigning River Basins (IRBM) & Transboundary dialogue		Leaders Forum Integrated Leader Forum	

*By invitation only with limited access for a number of selected delegates

For an up-to-date overview of the AIWW Conference programme, and more detailed information on the Leadership programme, case sessions and solution workshops, see the website www.internationalwaterweek.com/conference




"We are looking to develop solutions that have not been tested around the world before."

Lykke Leonardsen,
City of Copenhagen




"I am interested in how big data and digital information can be used on improving customer satisfaction."

Wim Drossaert,
Dunea drinking water company



"We need to address the mitigation and sustainability opportunities of water management."

Ricardo Cepeda-Marquez,
C40 Cities Climate Leadership Group



"Financing the circular economy is one of the biggest challenges we are facing right now."

Ambika Jindal, ING

CONFERENCE PROGRAMME 1 NOVEMBER

AIWW Conference programme is subject to change

09:00 - 10:30						
Case Session Resource Recovery and Circular Water Cycle	Solution Workshop Development Finance: Investing for Impact	Case Session Water, Peace and Security	Case Session Resilient Cities & Utilities and Climate Change Adaptation	Case Session Handling Micro Pollutants	Solution Workshop New ICT & Data: Solutions in Water Management	Solution Workshop Water Treatment Implementation
10:30 - 11:00						
Morning Break						
11:00 - 12:30						
Case Session Value Chain, Waterfootprint and Water Stewardship	Case Session Energy & Water: Recovery and Neutrality	Solution Workshop From Start-up to Scale-up: A Corporate Financing Perspective	Case Session Water (Operator) Partnerships and Institutional Capacity	Case Session Resilient Regions and Climate Change adaptation	Solution Workshop Water Cycle Recovery and Reuse implementation	Case Session Water Treatment Implementation; Drought and Desalination
12:30 - 14:00						
Lunch Break		Speakers corner			PEARL project	
14:00 - 15:30						
Case Session Financing the big water actors and their projects	Case Session Implementing Sustainable Development Goals	Solution Workshop New Tech Ventures & Upscaling	Solution Workshop Climate Change Adaptive Measures and Strategies	Solution Workshop Handling Emerging Contaminants: new tools and techniques for detection and removal	Case Session New ICT & Data: Cybersecurity	Case Session Deep Tunnels and Asset Management in Urban Sanitation & Stormwater Management
15:30 - 16:00						
Afternoon Break						
16:00 - 17:30						
Session Concluding Plenary Session						
19:00 - 22:00						
Conference Dinner						

CONFERENCE KEYNOTE SPEAKERS



Zulkifli Masagos



Snehal Desai



Michael Beckereit



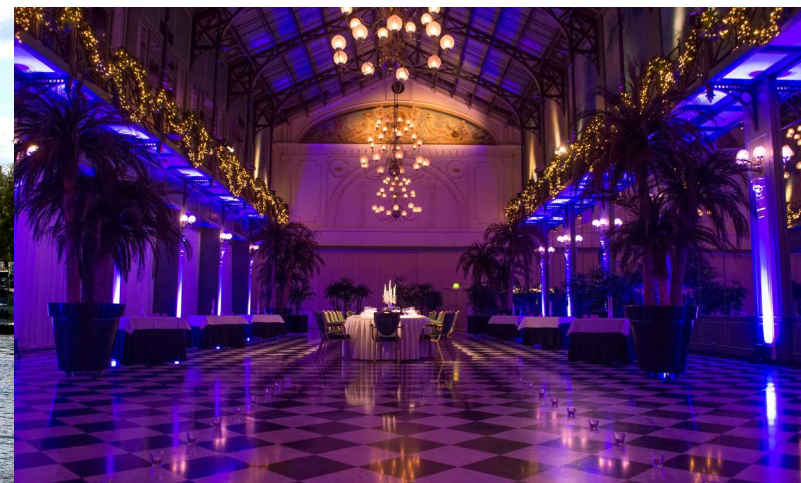
Ahmed Aboutaleb

HIGHLIGHTS

OF THE AIWW CONFERENCE PROGRAMME



Excursions to the 'living lab' the Netherlands



Conference dinner venue

CONFERENCE KEYNOTE SESSION: 31 OCTOBER

In the plenary Keynote, also the kick-off to the Leaders Forum programme, we will explore how to achieve a safe, clean and sustainable water future in high-density living areas. Cities, industry and utilities have key roles to play on this path. These three perspectives will be represented in this session by inspiring keynote speakers. From their own point of view, they will share developments in their respective fields in becoming more circular and resilient.

Mr Ahmed Aboutaleb, Mayor of Rotterdam, will present the policy of the city of Rotterdam in becoming more resilient and how the city is adapting to climate change. **Mr Zulkifli Masagos**, Minister of Environment and Water Resources in Singapore, presents Singapore's policy on these issues. **Mr Snehal Desai**, Global Director Sustainable Business Blueprints & Strategies, DOW Chemical Company, presents the industry perspective while **Mr Michael Beckereit**, CEO of Hamburg Wasser, represents the vision of water utilities.

CONFERENCE DINNER: 1 NOVEMBER

All delegates of the AIWW Conference are invited to join the Conference dinner on Wednesday 1 November. The dinner will be held in the atmospheric ambiance of the mid-19th century Krasnapolsky Hotel. In the beautiful conservatory called the Winter Garden, you can enjoy a buffet with light snacks, entertainment and good conversations.

INSPIRING EXCURSIONS: 30 OCTOBER, AND 2 AND 3 NOVEMBER

Experience the Dutch delta as a 'living lab' for integrated solutions towards a circular economy and resilient cities. The excursions are part of the AIWW Conference. Visit one of the largest nature restoration projects in Western Europe, the Marker Wadden; see how waste is turned into new resources and energy at the Waste to Energy Plant AEB in Amsterdam; be inspired by state-of-the-art wastewater treatment Nereda technology, amongst others. For more information and to register for the excursions, please go to

www.internationalwaterweek.com/programme/excursions

Meet the international Programme Advisory Committee for the Amsterdam International Water Week Conference:

Ambika Jindal
Annemieke Nijhof
Annette Bos
Arjen Hoekstra
Arjan van Timmeren
Arjen Frentz
Arnoud Molenaar
Barbara Anton
Betsy Otto
Cees Buisman
Christopher Gasson
Geoff Gage
Ger Bergkamp
Guy Alaerts
Hein Pieper
Henk Ovink
Henk Jan Top
Jose Luis Inglese
John Batten
Joppe Cramwinckel
Jörg Simon
Josef Klinger
Lisette van Doorn
Lykke Leonardsen
Mark van Loosdrecht
Martijn Kruisweg
Menno Holterman, co-chair
Paul Mc Neillis
Piet Klop
Ricardo Cepeda-Marquez
Roelof Kruize, co-chair
Ron Thiemann
Sharon Keren
Stephen Hart
Sudhir Murthy
Tomás Michel
Willy Verstraete
Wim Drossaert
Wim van Vierssen

ING (Dutch Retail Bank)
TAUW, advice and engineers
RAI Amsterdam, The Netherlands
University of Twente, The Netherlands
Amsterdam Institute for Advanced Metropolitan Solutions (AMS)
Eureau/VEWIN (The Association of Drinking Water Companies in The Netherlands)
Municipality of Rotterdam, The Netherlands
ICLEI - Local Governments for Sustainability
World Resources Institute
WETSUS, European centre of excellence for sustainable water technology
Global Water Intelligence
Amane Advisors
International Water Association (IWA)
IHE Delft
Dutch Water Authorities, The Netherlands
Ministry of Infrastructure & the Environment, The Netherlands
Accenture
AYSA, Buenos Aires
Arcadis
Visiting professor Nanyang Technological University (NTU) School of Social Sciences (Economics)
Berliner Wasserbetriebe, Germany
Global Water Research Coalition
Urban Land Institute EUROPA
Municipality of Copenhagen, Denmark
Technical University Delft, The Netherlands
Akzo-Nobel
Nijhuis Industries
DNV-GL
PGGM Investments
C40 Cities Climate Leadership Group
Waternet, watercycle company Amsterdam
Deltares
Tel Aviv Water Company, Israel
EU Investment bank
DC Water
Water Supply and Sanitation Technology Platform (WSSTP)
Ghent University, Belgium
Dunea drinking water company, The Netherlands
Water Top Sector, The Netherlands

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