



# Asian Development Bank at Stockholm World Water Week 2019

25–29 August 2019 • Stockholm, Sweden

## 27 August, Tuesday

### Youth Participating in Water Security: Examples from Asia and the Pacific

1100–1200 • Room D10

Co-convenor Stockholm International  
Water Institute

This session is part of the Young Professionals Booth, which is all about networking and inspiration care of different organizations hosting various activities. Together, they will showcase how they engage youth and how youth can, and should, be part of different processes. Both young and senior professionals are welcome to network, learn more about youth activities, get tips and support on how to include young people in the water sector as well as on how to contribute better as a young person.

For this specific activity, both ADB and GWP are presenting case studies of youth involvement in water projects.

### Program

- 11:00a.m. Welcome and Introduction  
Thomas Panella, *Chief of Water Sector Group, ADB*
- 11:05a.m. Youth participation in Water Security – Examples from South East Asia  
Vijay Padmanabhan, *Director, Urban Development and Water Division, Southeast Asia Regional Department, ADB*  
Minh Nguyen, *Youth Project Designer, ADB Youth for Asia*
- 11:15a.m. Youth engagement strategy of GWP – Case study in China  
Julienne Roux, *Senior Network Specialist, GWP*  
Yunzhong Jiang, *Secretary General of China Region, GWP*



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11:25a.m. **Youth Participation in Water Security**  
 Moderator: Silvia Cardascia, *Young Professional, ADB*

Panelists:  
 Thomas Panella, *ADB*  
 Teresa Kho, *Deputy Director General, East Asia Regional Department, ADB*  
 Vijay Padmanabhan, *Director, Urban Development and Water Division, Southeast Asia Regional Department, ADB*  
 Julienne Roux, *GWP*  
 Lyazzat Syrlybayeva, *Regional Network Coordinator for Central Asia, Youth for Water Network*  
 Shabana Abbas, *President, Water Youth Network*  
 Minh Nguyen, *Youth Project Designer, ADB Youth for Asia team*

require new and forward-thinking approaches to water research, planning, and management. Water cycle management – the integrated and strategic management of water resources and their associated ecosystems underpinned by integrated research, analysis, and engagement of stakeholders at all levels – offers a framework through which to devise and implement appropriate and evidence-based policies for long-term water security.

This session, part of the Asia Focus program led by the Asia Pacific Water Forum (APWF) and ADB, brings together case studies that highlight water cycle management across the region’s diverse geographical and hydrological contexts and scales, demonstrating water solutions based on evidence and knowledge drawn from science as well as local and indigenous knowledge systems, innovative technologies, and testing of business models, and based on partnerships that span from communities to practitioners to policymakers—all with the objective of catalyzing systemic change with impacts at scale.

**Program**

11:55a.m. **Closing Remarks**  
 Thomas Panella, *ADB*

See webpage here:  
<https://www.worldwaterweek.org/event/8840-young-professionals-booth>

2:00p.m. **Introduction**  
 Yumiko Asayama, *APWF Secretariat c/o Manager, Japan Water Forum*

2:05p.m. **Presentations**  
**Water Cycle Management for the Sustainable Development Goals: Strengthening the SDG6 Knowledge Base**  
 Hans Dencker Thulstrup, *Senior Programme Specialist, Water and Environmental Sciences, UNESCO Regional Science Bureau for Asia and the Pacific*

**Shiga’s Efforts toward the Restoration and Conservation of Lake Biwa for a Sound Water Cycle**  
 Nobuhiko Miwa, *Senior Technical Director, Department of Lake Biwa and the Environment, Shiga Prefectural Government, Japan*

**Water Cycle Management: Towards Water Security in Asia and Pacific**

14:00–15:30 • Room L9

**Co-convenors** APWF, Commonwealth Scientific and Industrial Research Organisation (CSIRO), International Centre of Excellence in Water Resources Management (ICEWaRM), International Water Management Institute (IWMI), Japan Sanitation Consortium, Stockholm Environment Institute (SEI) Asia, UNESCO Scientific Bureau of Asia and the Pacific

Attaining inclusive water security across Asia and the Pacific and fulfilling the targets under SDG6

**Striving for the Improvement of Wastewater Management to Achieve Good Water Cycle Management: Introduction of ‘Ho Chi Minh Water Environment Improvement Project’ and ‘AWaP’**

Yoshiharu Imajima, *Deputy Director, International Affairs Office, Japan Sewage Works Agency and Sewage Works Expert, Japan Sanitation Consortium*  
Kazushi Hashimoto, *Advisor, Japan Sanitation Consortium*

**Water Solutions for Sustainable Development: Mobilizing Science, Systems Thinking, and Evidence-based Approaches**

Sonali Senaratna Sellamuttu, *Country Representative - Southeast Asia and Myanmar, IWMI*

**Towards Inclusive Water Management: Taking Action for South Asia**

Neil Lazarow, *Research Group Leader, Basin Management Outcomes, CSIRO*

**Natural-based Solutions for Water Cycle Management in the Greater Mekong Subregion Countries**

Thanapon Piman, *Research Fellow, SEI Asia*

**Transboundary Water Management: Principles, Policies, and Politics**

Karlene Maywald, *Managing Director of Maywald Consultants Pty Ltd, and Chair, ICEWaRM*

2:55p.m.

**Q&A and Panel Discussion**

Moderator: Dr. Hans Dencker Thulstrup, *UNESCO Regional Science Bureau for Asia and the Pacific*

3:25p.m.

**Summary**

See webpage here:

<https://www.worldwaterweek.org/event/8355-water-cycle-management-towards-water-security-in-asia-and-pacific>

**Inclusive Asia-Pacific Rural Water and Sanitation: Pathways to the SDGs**

16:00–17:30 • Room L9

Co-convenors APWF, Global Water Institute (GWI) – University of New South Wales (UNSW), Global Water Partnership (GWP) Southeast Asia, Japan Water Forum, and the United Nations Human Settlement Programme (UN-Habitat)

Securing water and sanitation underpins the SDGs, particularly for the disproportionate number living in remote areas in the Asia Pacific region. This session aims to focus on the difficulties of reaching the last mile, solutions that can be applied to overcome these difficulties, and the circumstances which help or hinder different innovative approaches to achieving the objective of ‘including all’.

The role of local leadership, technology, and pathways of scaling up best practices will be explored through case studies. Although the session focuses on rural water and sanitation security, the outcomes will show how the principles and approaches discussed in the session can be relevant to other aspects of water management and development issues.

Program

- 4:00p.m. **Introduction**  
Yumiko Asayama, APWF  
*Secretariat c/o Manager, Japan Water Forum*
- 4:03p.m. **Presentations**
- Support to the Grassroots Activities through Japan Water Forum Fund**  
Sae Ishihara, *Chief Manager, Japan Water Forum*
- Enhancing the Climate and Disaster Resilience of Vulnerable Rural Communities through Provision of Water Supply and Sanitation**  
Avi Sarkar, *Regional Advisor - Southeast Asia, Urban Basic Services Branch, UN-Habitat*
- Rural Water Security through Springs Rejuvenation: Progress through Partnerships in India**  
Ravi Narayanan, *Governing Council Chair, APWF*
- Development of a Community-owned Groundwater Treatment Plant to Mitigate Risk Factors for Chronic Kidney Disease of Unknown Etiology (CKDu) in Galwaduagama Village, Anuradhapura, Sri Lanka**  
Greg Leslie, *Director, UNSW Global Water Institute - UNSW Australia*
- Precision Targeting in Delivering Safe Water And Sanitation Services: Water and Sanitation Household-based E-survey In Indonesia**  
Fany Wedahuditama, *Regional Coordinator, GWP Southeast Asia*

- 4:55p.m. **Q&A and Panel Discussion**  
Moderator: Sneha Latha, *Regional Coordinator, Freshwater Action Network for South Asia*
- 5:25p.m. **Summary**

See webpage here:  
<https://www.worldwaterweek.org/event/8364-inclusive-asia-pacific-rural-water-and-sanitation-pathways-to-the-sdgs>

## 28 August, Wednesday

### Strengthening Governance to Address Asia's Water Challenges

9:00–10:30 • Room M6

Co-convenors APWF, GWP, International Centre for Water Hazard and Risk Management under the auspices of UNESCO (ICHARM), Stockholm International Water Institute (SIWI), UN-Habitat, and Water Integrity Network (WIN)

- This session aims to set out the knowledge connecting water sector performance with governance in Asia, drawing on experience and analysis from some of the region's leading research centers, international organizations, and country-based experiences. The discussion is organized around the following subjects: Measuring to motivate: sharing best practices to improve urban water governance which can benefit informal settlements and collective accountability-building actions.
- Evidence on the impact of disaster risk governance reforms in Asia and sharing best practices to ensure protection and enhancing resilience of vulnerable groups from river bank erosion and water-related hazards in South and Southeast Asia through research, technological innovation, and regional cooperation, such as International Flood Initiative.

Thailand's experience on water governance from micro-watershed to river basin/province and national levels, based on applied methodology from ADB's Asian Water Development Outlook (AWDO).

### Program

9:00a.m.      **Introduction**  
Yumiko Asayama, *APWF Secretariat c/o Manager, Japan Water Forum*

9:03a.m.      **Presentations**  
**ESCAP's Tools for Water Governance and Inclusive Development**  
Aida Karazhanova, *Economic Officer, Sustainable Urban Development Section, Environment and Development Division, UN Economic and Social Commission for Asia and the Pacific (ESCAP)*  
**Applying Integrity Tools for Water and Sanitation: Experiences from Bangladesh**

Binayak Das, *Regional and Programme Coordinator, South Asia, Integrity tools, WIN*

**Enhancing Capacities of Water Utilities in the Mekong Region**  
Avi Sarkar, *Regional Advisor - Southeast Asia, Urban Basic Services Branch, UN-Habitat*

**Linking Integrity Tools with Capacity Development of Water Utilities: Experiences from Lao PDR, Cambodia, and Viet Nam**  
James Leten, *Senior Manager, Water Governance Department, SIWI*

**Multilevel Water Governance: Lessons Learnt from Thailand**  
Piyatida Ruangrassamee, *Department of Water Resources Engineering, Faculty of Engineering, Chulalongkorn University*

### **Water and Disaster Risk Management: Perspectives from Asia**

Yumiko Yasuda, *Senior Network Specialist, GWP*

**Creating Partnerships at All Levels for Water-Related Disaster Risk Reduction by Involving All**  
Tetsuya Ikeda, *Chief Researcher, ICHARM*

9:55a.m.      **Q&A and Panel Discussion**  
Moderator: Mr. Ravi Narayanan, *Governing Council Chair, APWF*

10:25a.m.      **Summary**

See webpage here:

<https://www.worldwaterweek.org/event/8383-asia-focus-strengthening-governance-to-address-asias-water-challenges>

### **Inclusive Financing for Water**

11:00–12:30 • Room M6

Co-convenors APWF, IWC and Waterpreneurs, OECD, Manila Water, Water.org, WWF, and JICA

Although Asia is undergoing unparalleled economic growth, its traditional means of water financing and service delivery have not kept pace with the SDG targets. Meanwhile, substantial funds exist in the private sector and financial markets, and yet these are not being invested in the water sector.

However, there are creative financing mechanisms being developed to bring in private sector capital and entrepreneurs, and public sector service providers are also expanding innovation and networks to ensure the poor are receiving services.

This session will highlight the following areas:

- ADB’s work on enhancing financial capacity of water utilities and fostering policy dialogue in Southeast Asia to reach the last mile;
- the Organization for Economic Cooperation and Development’s (OECD) analysis to promote blended finance for water-related investments;
- the Japan International Cooperation Agency (JICA) case study application of blended finance in the Philippines;
- the International Water Center (IWC) and Entrepreneurs’ experience in water and sanitation with a focus on innovative market-based solutions, impact investments, blended finance, and hybrid business models;
- Water.org’s work on supporting household-oriented finance for the poor and building municipal water utility capacity in Indonesia’s rural provinces; and
- the World Wide Fund for Nature’s (WWF) experience in supporting bankable water solutions and water stewardship in Myanmar.

**Utility Creditworthiness and Alternative Lending Instruments: The Southeast Asia Experience**

Vijay Padmanabhan, *Director, Urban Development and Water Division, Southeast Asia Department, ADB*

**Rural and Small-Town Water and Sanitation Financing in Indonesia**

Rich Thorsten, *Chief Impact Officer, Water.org*

**Bankable Water Solutions for Food and Beverage Companies in Myanmar**

Keiron Brand, *Bankable Initiative Advisor, WWF*

**Innovate 4 Water Forums in Asia and the Pacific**

Mark Pascoe, *CEO, IWC*

Brieux Michoud, *Managing Partner and Co-founder, Waterpreneurs*

11:55a.m.

**Panel Discussion**

Moderator: Thomas Panella, *Chief of the Water Sector Group, ADB*

12:25a.m.

**Summary**

Ravi Narayanan, *Governing Council Chair, APWF*

**Program**

11:00a.m.

**Introduction**

Thomas Panella, *Chief of the Water Sector Group, ADB*

See webpage here:

11:05a.m.

**Presentations**

**Blended Finance for Water-Related Investment**

Kathleen Dominique and Wiebke Bartz-Zuccala, *Financing for Water Initiative, OECD*

**The Philippines’ Water Revolving Fund**

Miha Matsubayashi, *Water Resources Group, Global Environment Department, JICA*

<https://www.worldwaterweek.org/event/8516-asia-focus-inclusive-financing-for-water>

**Mobilizing Financial Resources for Transboundary Water Resources Management and Cooperation**

14:00–15:30 • Room L10

**Co-convenors** African Development Bank, ADB, European Investment Bank, Global Environment Facility - International Waters: Learning

Exchange and Resource Network, Government of Switzerland, Government of the Netherlands, Organisation for Economic Cooperation and Development, The World Bank Group, United Nations Economic Commission for Europe (UNECE)

Cooperation for managing transboundary basins, representing more than 60% of global freshwater resources, is crucial for access to water, growth and sustainable development. However, there is a considerable financing gap for water-related investments globally and securing funding for transboundary basin poses additional challenges, including increased real and perceived risks.

Managing shared waters effectively is key to positively strengthening socioeconomic, environmental, and political interdependencies. Transboundary water cooperation is therefore crucial for sustainable development, peace, and stability.

However, the financing of coordinated basin development and transboundary water cooperation is challenging for many countries. Funders and investors are often hesitant to engage in transboundary basins, as it is considered too risky. As a result, an inability to access needed financing in basins suggests that the potential benefits of transboundary basin cooperation and development are not being fully realized.

International and non-governmental organizations, financial institutions, and countries initiated a discussion on the financing of transboundary basin development. Different initiatives are being set up to de-risk investments, such as blended finance used to crowd-in commercial finance. A high-level workshop in October 2018 highlighted that effective agreements and integrated basin plans developed between riparian countries along with strong joint institutions to support and implement them are key to reduce risks and attract investment funding in transboundary basins from public and private sources.

Building on this initial discussion, the event will discuss the challenges and opportunities for financing transboundary basin development, also considering how the private sector and large funding institutions can be closer involved in the process.

### Program

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|----------|---|
| 2:00p.m. | <b>Welcome Remarks</b><br>Chris Severin, <i>Global Environment Facility</i>   |
| 2:05p.m. | <b>Introductory Keynote Speech</b><br>Henk Ovink, <i>Special Envoy for International Water Affairs, The Netherlands</i>   |
| 2:15p.m. | <b>Innovative Ways of Mobilizing Funding for Transboundary Basins Sustainable Financing of Transboundary Water Cooperation in Basins</b><br>Anoulak Kittikhoun, <i>Mekong River Commission</i><br><br><b>Innovative Financing to De-Risk Investments in Transboundary Basins</b><br>Isabella Pagotto, <i>Swiss Development Cooperation</i><br>Eileen Burke, <i>World Bank (tbc)</i><br><br><b>Private Sector Engagement in Transboundary Water Cooperation</b><br>Aaron Vermeulen, <i>WWF (tbc)</i> |
| 2:40p.m. | <b>Thematic Group Discussion in Roundtables</b><br>Lenka Thamae, <i>Executive Secretary, Orange Senqu Commission</i><br><br>Francis Daniel Bougaire, <i>Chief Water Policy and Strategy Development Officer African Water Facility, AfDB</i>  |

Thomas Panella, *Chief of the Water Sector Group, ADB*

Kathleen Dominique, *Environmental Economist, OECD*

Patricia Castellarnau, *Senior water sector economist, EIB*

3:20p.m.

**Wrap-up and Closing**

Sonja Koeppel, *UNECE*

Diane Guerrier, *UNECE*

See webpage here:

<https://www.worldwaterweek.org/event/8418-mobilizing-financial-resources-for-transboundary-water-resources-management-and-cooperation>

## 29 August, Thursday

### Water Governance with and for All: Is it Working?

Session 1: Water Governance 2.0: Law and Accountability

9:00–10:30 • Room L10

Co-convenors ADB, GWP, SIWI, UNDP–SIWI Water Governance Facility, University of Pennsylvania

The seminar considers policy guidelines, institutional arrangements and reform pathways in countries at different stages of socioeconomic development and with different forms of government within which water resources are managed.

Water governance refers to the political, institutional, social, economic, and administrative systems in place that influence water use and management. The design and development of water governance arrangements is grounded in the conceptual understanding of cultural, economic, moral, religious, and ethical dimensions of allocations.

Good multilevel water governance is a prerequisite for leaving no one behind. There is a link between poverty and access to water services and to the anticipation and mitigation of water-related risks, including for sanitation and productive water uses. Enhanced access to water is one of the conditions to eliminate poverty with defined mechanisms of delivery to the poor. Pricing arrangements are rarely equitable and financing arrangements often discourage service provision. Drawing on experiences of good practices and failures, the seminar will focus on benchmarking and, hence, calls for the submission of water governance cases from large and small, water abundant or scarce countries.

The first session on law and accountability will focus on the importance of both ‘informal’ rules or social constructs and ‘formal’ policies and regulations for water governance. Common challenges will be explored with reference to theoretical and practical approaches.

#### Program

9:00a.m.

**Welcome and Introduction**

Chair: Thomas Panella, *Chief of the Water Sector Group, ADB*

9:05a.m.

**Keynote – Water Governance in Asia: The Importance to Project Development and Sustainability**

Thomas Panella, *Chief of the Water Sector Group, ADB*

9:15a.m.

**Social Accountability and Water Integrity**

Birke Otto, *WIN, European University Viadrina*

9:25a.m.

**Improved Water Services Cooperation through Clarification of Rules and Roles**

Laura Inha, *Tampere University, Finland*



- 9:35a.m. **Civil Society Involvement in Water Infrastructure Decisions: It Is Possible?**  
Julien Harou, *University of Manchester, United Kingdom*
- 9:45a.m. **Community-based Water Tenure: The Missing Piece of Inclusive Governance**  
Jessica Troell, *Environmental Law Institute, United States*
- 9:55a.m. **Hybrid Water Rights Systems for Pro-Poor Water Governance in Africa**  
Barbara Schreiner, *WIN*
- 10:05a.m. **Q&A and Panel Discussion**  
Moderators: Thomas Panella, *Chief of the Water Sector Group, ADB*  
Vijay Padmanabhan, *Director, Urban Development and Water Division, Southeast Asia Department, ADB*
- 10:25a.m. **Closing Remarks**  
Amy Syvrud, *YSPC member*

See webpage here:

<https://www.worldwaterweek.org/event/8578-water-governance-with-and-for-all-is-it-working>

**Water Governance with and for All: Is it Working?**

Session 2: Can Changing the Rules Give More Equal Access?

11:00–12:30 • Room L10

**Co-convenors** ADB, GWP, SIWI, UNDP-SIWI Water Governance Facility, University of Pennsylvania

This second session will present a series of case studies on water governance in South Asia, South America, and Africa, to explore practical experiences concerning stakeholder engagement

and water-sharing practices. Participants will gain a deep understanding of the opportunities and challenges faced in differing contexts and share lessons learned.

Program

- 11:00a.m. **Welcome and Introduction**  
Chair: Monika Weber-Fahr, *GWP*
- 11:10a.m. **Keynote – Sharing Water: The Role of Robust Water Sharing Arrangements in IWRM**  
Mike Young, *University of Adelaide*
- 11:20a.m. **Water Governance and Inclusion: The Case of the Lancang-Mekong Basin**  
Zhong Yong, *Secretary General of the Lancang-Mekong Water Resources Cooperation Center*
- 11:30a.m. **Roundtable Discussions**  
Facilitator: Danka Thalmeinerova
- Political Economy of Domestic Water Scarcity in Eastern Himalayan Towns**  
Rinan Shah, *Ashoka Trust for Research in Ecology and the Environment (India)*
- Social Capital Development: Rural Water and Sanitation in Sri Lanka**  
Kamal Dahanayake, *Senior Project Officer (Water Supply-Sanitation), ADB Sri Lanka Resident Mission*
- Water Users Associations in Tanzania: Local Governance for Who?**  
Nathalie Richards, *King’s College London*
- Cenagrap, a Public-Communal Alliance: A Model for Water Management in Ecuador**  
Katrien Van Hooydonk, *Protos (Belgium)*

**Governing Water (Re)allocation in South Africa: Insights from a Crisis**  
Jonathan Rawlins, *OneWorld Sustainable Investments (South Africa)*

**Social Connections Program for Full Access in Tangiers, Morocco**  
Naoufal Salama, *Amendis*

**Experience from the 2016–2018 Water Crisis in Brazil’s Federal District**  
Jorge Werneck Lima, *Regulatory Agency for Water, Energy and Sanitation of the Federal District (Adasa)*

12:10p.m. **Lessons Learned**  
Each table presenter to provide key message from the discussions

Comments from Zhong Yong

12:25p.m. **Closing Remarks**  
Amy Syvrud, *YSPC member*

See webpage here:

<https://www.worldwaterweek.org/event/8579-water-governance-with-and-for-all-is-it-working-23>

**Showcase: Water Security for All: Asian Water Development Outlook 2020**

12:00p.m.–12:45p.m. • Room M6

**Co-convenors** ADB, APWF, Chulalongkorn University of Thailand, and OECD

Asian Water Development Outlook (AWDO) 2020 will be the fourth edition of the ADB flagship publication series initiated in 2007. Adopting a holistic approach, AWDO is a tool that provides rigorous quantitative analysis of the water security (WS) status of 49 countries in Asia and the Pacific.

AWDO methodology distinguishes five Key Dimensions (KDs) of WS: Rural Household WS

(KD1), Economic WS (KD2), Urban WS (KD3), Environmental WS (KD4), and Resilience to Water-related Disasters (KD5). The 2020 edition will also include two chapters on Governance and Finance – to be prepared by OECD – and country case studies.

In this showcase, ADB will reflect on the water security issues, as well as the crosscutting aspects of governance and finance in the region. Chulalongkorn University will also present their work on water security undertaken in Thailand, with a lens on governance. AWDO methodology is being applied at national, provincial, and river basin levels under Thailand’s National Strategic Plan.

This showcase provides a unique opportunity for the Stockholm water community to engage with international and regional sector experts in an interactive manner. Inputs from the audience will also be valuable for the final publication and the launch of the study in 2020.

**Program**

12:00p.m. **Welcome and Introduction**  
Thomas Panella, *Chief of the Water Sector Group, ADB*

12:05p.m. **The Five Key Dimensions of Water Security: AWDO 2020**  
Silvia Cardascia, *Water Sector Group, ADB*

12:10p.m. **Enabling Water Security: A Focus on Governance**  
Hakan Tropp, *Water Governance Initiative, OECD*

12:15p.m. **Investing in Water Security: A Focus on Finance**  
Hannah Leckie, *Financing for Water Initiative, OECD*

12:20p.m. **AWDO as a Policy Tool: Thailand Case Study**  
Piyatida Ruangrassamee, *Department of Water Resources Engineering, Faculty of Engineering, Chulalongkorn University*

12:25p.m. **Panel Discussion**  
 12:35p.m. **Summary**  
 Ravi Narayanan, *Governing Council Chair, APWF*

**Innovation: Business as Unusual**  
**Session 3: The Pitch: Accelerating Innovation**  
 2:00p.m.–3:30p.m. • Room L12

**Co-convenors** Inter-American Development Bank (IDB), International Water Association, Microsoft, SIWI, Water Foundry

To achieve SDG6 it is urgent to upscale green, socially aware, and innovative water management approaches. This session will be a dynamic and highly interactive pitching session, complete with a board of knowledgeable judges to assess the proposed solutions based on relevance, innovative value, and feasibility.

This seminar casts eight innovator or entrepreneurs that have already put their solutions into practice. The focus here is recognizing that business as usual will not enable us to achieve SDG 6. Conventional solutions require long periods for design and construction and significant amounts of resources that are not available. The water sector has been somewhat reluctant to embrace innovation, and this seminar attempts to change that. The goal is to find more efficient, less costly, scalable, measurable and integral solutions to attain the SDGs.

**Program**

2:00p.m. **Welcome and Introduction**  
 Sergio Campos, *Water and Sanitation Division Chief, IDB*

2:05p.m. **Keynote Remarks**  
 Scott Bryan, *President, ImagineH2O*

2:10–14:15 **Presentation of Judges**  
 Moderator: Ronja Helleshøj Sørensen, *Young Scientific Program Committee, SIWI*

Mariano Montero, *Director, FEMSA Foundation*

Anders Jacobson, *CEO, Blue AB*  
 Eleanor Allen, *CEO, Water For People*

Kit Krugman, *President and Chair, WIN: Women in Innovation*

2:15p.m. **Presentation of Pitches** (5 minutes each and 1 minute Q&A from judges)

- Jochen Raimann, “Decentralized Water Purification Using Membrane Filtration to Improve Community Health”
- Yolwin Jed Perales, “Innovation in Low-Cost Water Treatment Using Conventional and Nanotechnologies”
- Christian Walder, “Providing Sanitation to Off-grid Areas: A Successful Story from Cambodia”
- Leah Page Jean, “Building Consumer-focused Household Sanitation Solutions in Haiti”
- Joseph D`Alba, “The Implications of a Sustainable Source of Potable Water”
- James Peterson, “UVC LED Disinfection Demonstrates Effectiveness against POU Water Pathogens”
- Odwa Ntsika Mtembu, “Water Wide Web 3.1: Circulating Urban Water System for Renewable”
- Mary Roach, “VeriSan: Accelerating Sanitation Scaling through Mobile IT”

3:05p.m. **Audience Vote on Best Pitch**

3:20p.m. **Awarding of Prizes and Closing Remarks**

See webpage here:

<https://www.worldwaterweek.org/event/8601-innovation-business-as-unusual-the-pitch-accelerating-innovation>

## Towards a Working Market for Green Infrastructure

5:00p.m.–5:45p.m. • Room L9

**Co-convenors** Deltares, Forest Trends, Government of the Netherlands, IDB, Nature Insurance Value: Assessment and Demonstration Project Consortium, University of Minnesota

Climate change impacts show us that traditional development models heavily relying on infrastructure deployment will not suffice for a sustainable and resilient future. Green and hybrid infrastructure strategies may hold the key for a win-win between economic growth, environmental quality, and social inclusion. The challenge is on accelerating their uptake.

Diverse initiatives are advancing the evidence on the effectiveness of green infrastructure to achieve multiple SDGs and manage multiple risks (i.e., water, health, and climate) on a cost-effective manner. However, to speed up the mainstreaming and upscaling of initiatives, it is key to bring all available pieces of evidence together and facilitate a public-private dialogue that results in a shared strategy for the creation of a working market: a steady pipeline of high quality projects and jobs.

Inspired by pioneering experiences of the co-convenors in the Americas, Asia, and Europe, the objective of this showcase is to kick-start a dialogue with worldwide leading actors in the public and private side of the equation: public procurement agencies, dredging and construction contractors, real estate and infrastructure project developers, financiers, and key beneficiaries such as water utilities.

Based on the challenges posed by the practitioners, scientists and NGOs will respond on how they are giving response to these challenges. The outcome will be an action and research agenda that accelerates the creation of a market for the uptake of nature-based solutions for water security and considers the use of blended finance strategies.

### Program

- 5:00p.m.      **Welcome and Introduction**
- 5:05p.m.      **Green Infrastructure and its Role in Water Security in LAC**  
Raul Muñoz, *Climate Change Adaptation Specialist, IDB*
- 5:10p.m.      **Financing for River Ecological Protection and Green Development: ADB Best Practices in the People's Republic of China**  
Teresa Kho, *Deputy Director General, East Asia Department, ADB*
- 5:15p.m.      **Dialogue about Barriers and Drivers for Market Creation with Worldwide Leading Public and Private Actors**

Panel speakers:

Maria Luisa Choque, *Bolivian Ministry of Environment and Water*

Vijay Padmanabhan, *Director, Urban Development and Water Division, Southeast Asia Department, ADB*

Aarin Gross, *Conservation International, Lead Sustainable Water Management Theme, GIIN Navigating Impact Project*

Kathleen Dominique, *OECD, Lead Water Financing Roundtable*

Keiron Brand, *WWF, Initiative Lead for Bankable Water Solutions*

Wenchi Yang, *Lead Urban Designer MLA+ “Cascading Semarang”, Water as Leverage*

5:30p.m. **Response from Scientific World on their Contribution to Market Creation**

Pavel Misiga, *Circular Economy and Bio-based Systems Unit, European Commission*

Boris Ochoa, *Imperial College London – FT Natural Infrastructure for Water Security, Perú*

Kate Brauman, *Global Water Initiative, University of Minnesota*

John Matthews, *AGWA*

Monica A. Altamirano, *Program Manager Finance for Adaptive Planning, Deltares*

17:40–17:45 **Summary**

See webpage here:

<https://www.worldwaterweek.org/event/8702-towards-a-working-market-for-green-infrastructure>