



IWA-IDB Innovation Conference on
Sustainable Use of Water:
Cities, Industry and Agriculture

30 September – 3 October 2019
GUAYAQUIL, ECUADOR



CALL FOR ABSTRACTS AND WORKSHOP PROPOSALS

The International Water Association and the Inter-American Development Bank are co-convening an international conference that will focus on implementation of innovation for sustainability in the real-world venues of cities, industry, and agriculture. We will share perspectives and encourage collaboration among the many stakeholders who play a role in how we use water— municipalities, industrial users, agriculture, policy-makers, regulators, environmental and social organizations, equipment and technology suppliers, consultants, researchers and academicians, financial institutions, and underserved populations. This conference will be held in Guayaquil, Ecuador from September 30 through October 3, 2019, with the support of both Ghent University and ESPOL University. If you have ideas, information, and suggestions to share about new incentives and behavioral approaches, technologies, case studies, and tools available to support more innovative and sustainable water use, please submit an abstract for a presentation or workshop proposal by May 1, 2019.

Your presentation or workshop proposal can address up to five of the topics described below:

I. Innovators and Innovation Management

- A. Sustainable and circular economy systems and technologies (Proprietary and Non-Proprietary)
- B. System/Technology selection approaches
- C. Energy management approaches
- D. Sustainable Systems & Technology
- E. Connecting Society with Water
- F. New Approaches for Financing, Partnering and Contracting
- G. Innovation to Implementation within Utilities

II. Cities

- A. **Regenerative water and sanitation services** including:
 - Sustainable practices of water/wastewater utilities
 - Decentralized approaches
 - Design of water and sanitation services which support a circular economy
 - Design of treatment systems to optimise reuse and recovery
 - Tools to upgrade efficiency and capacity of water/wastewater utilities

- B. **Integrating water in city planning and design** including:
 - Optimising the use of alternative water sources
 - Municipal support for sustainable water use
 - Design of urban spaces
 - Integration of green infrastructure
- C. **Connecting watersheds and urban areas** including:
 - tools and approaches for securing water resources, protecting water quality, preparing for extreme events, and/or increasing resilience
- D. **Water policies, regulations and multi-stakeholder collaboration for water-wise cities** including:
 - Training on sustainable practices in water construction, operations and maintenance operations
 - Capacity-building to support municipal use of new (e.g. digital) technologies
 - Public participation and stakeholder engagement for sustainable water
- E. **Management Tools for Sustainable Utilities**
 - AquaRating as a system for change management; case studies and implementation plans and innovative use of system

III. Industry

- A. Extractive Industries (e.g., mining, oil, and gas)
- B. Power Production
- C. Textiles
- D. Chemical Industry
- E. Food and beverage processing
- F. Information Technology and Data Storage
- G. Pulp and Paper Industry
- H. Pharmaceutical and Cosmetics Industry
- I. Biotechnology
- J. Staff training on sustainable practices
- K. Protection of the environment from construction, operations, and maintenance
- L. Innovative technologies specific to industry (e.g., resource recovery, ultrapure water, anaerobic MBR, and use of green infrastructure)

IV. Agriculture

- A. Applications of Analytical Tools and Frameworks
- B. Environmental protection (e.g., from toxic discharges, over-use of supply, or destruction of valuable habitat)
- C. Basin-based hydro-geological research and information-sharing
- D. Policy and Regulations
- E. Financing of small farmers and cooperatives;
- F. Technologies (e.g., reuse of treated wastewater);
- G. Training for agricultural workers and small farmers on sustainable practices

- H. Aquaculture
- I. Efficient use of water by agricultural
- J. Water quality impacts of agricultural use

V. Cross-Cutting Issues

- A. Circular economy
- B. Financing mechanisms that support sustainable water use
- C. Incentives for sustainable use of water by industry, cities, and agriculture (e.g., policy, financing options, regulations, rewards, reputational risk, training)
- D. The Water/Energy/Food Nexus
- E. Improved hydro-geological information and information-sharing
- F. Analytical tools for assessing and supporting sustainable water use by cities, industry, and agriculture
- G. Communication, outreach, and social justice
- H. Indigenous and other under-served populations
- I. Creation of new incentives to encourage sustainable use of water (e.g., regulations and rewards)

Your ideas will also be welcome. Please submit your abstracts and workshop proposals to IWA at **[LINK WILL BE AVAILABLE SHORTLY]** by May 1, 2019, so that conference participants can have the benefit of your knowledge and experience.