

SECOND INTERNATIONAL CONFERENCE  
SCHEDULED FOR DECEMBER 2021

# WATER, MEGACITIES AND GLOBAL CHANGE

## PROGRAMME OF THE PRE-CONFERENCE

7 TO 11 DECEMBER 2020

ON ZOOM AND UNESCO YOUTUBE OFFICIAL CHANNEL  
FRENCH-ENGLISH SIMULTANEOUS TRANSLATION



United Nations  
Educational, Scientific and  
Cultural Organization



Service public de l'assainissement francilien



information and free registration : <https://en.unesco.org/events/eaumea2021/preconference>

*Following the postponement of the Second International Conference "Water, Megacities and Global Change" to December 2021, the Steering and Programme Committees propose the online Pre-Conference "Water, Megacities and Global Change" from 7 to 11 December 2020.*

## OBJECTIVES

- Responding to the need of initiating discussion on the identified challenges and solutions related to water, megacities and global change
- Maintain the momentum linked to the preparation of the event and deployed over the previous months
- Responding to the strong interest of international actors in the themes of the conference

### PROGRAMME

7 December	13:00 - 13:15	<b>OPENING</b>
	13:15 - 14:20	<b>DISASTER RISK REDUCTION</b>
	14:25 - 15:30	<b>KNOWLEDGE OF THE TECHNICAL AND SOCIAL CONDITIONS</b>
8 December	13:00 - 14:05	<b>HOLISTIC WATER MANAGEMENT</b>
	14:10 - 15:15	<b>SERVICE CONTINUITY &amp; STRENGTHENING OF SUSTAINABLE SOLIDARITY</b>
9 December	13:00 - 14:05	<b>INNOVATIVE INITIATIVES 1</b>
	14:10 - 15:15	<b>INNOVATIVE INITIATIVES 2</b>
10 December	13:00 - 14:05	<b>INNOVATIVE INITIATIVES 3</b>
	14:10 - 15:15	<b>PLANNING TOOLS</b>
11 December	13:00 - 14:05	<b>TECHNICAL AND TECHNOLOGICAL SOLUTIONS</b>
	14:10 - 15:15	<b>NEW WATER CULTURE</b>
	15:15 - 15:30	<b>YOUTH DECLARATION</b>
	15:30 - 15:45	<b>CLOSING REMARKS</b>

## MONDAY 7 DECEMBER

13:00 – 13:15

### OPENING

**Moderator : Mr. Alexandros Makarigakis, Programme Specialist,  
Division of Water Sciences of UNESCO**

- Ms. Shamila Nair-Bedouelle, Assistant Director-General of UNESCO  
for Natural Sciences
- Mr. Daniel Marcovitch, President of ARCEAU-IdF
- Mr. Jean-Didier Berthault, Vice-president of SIAAP
- Mr. Sylvain Berrios, Vice-president of the Greater Paris Metropolis  
in charge of the Management of Aquatic Environments and Flood  
Prevention



## DISASTER RISK REDUCTION

**Moderator :** Mr. Fadi Comair, Chairperson of the Council of the Intergovernmental Hydrological Programme of UNESCO

- 13:15 – 13:30      **Competition between multiple uses of water in the Belo Horizonte Metropolitan Area: the Paraopeba River water basin**  
Ms. Marília Carvalho de Melo
- 13:30 – 13:45      **Water scarcity in African cities: anthropic factors or climate change? Case of Bouake (Ivory Coast)**  
Mr. Jean-Stéphane Claon
- 13:45 – 14:00      **Water scarcity mitigation in Northern Morocco**  
Mr. Youness El Bouenani
- 14:00 – 14:20      **Open discussion on Disaster Risk Reduction**

— break —

## KNOWLEDGE OF THE TECHNICAL AND SOCIAL CONDITIONS

**Moderator :** Mr. Dominique Gatel, Director of Public Affairs for Water, Veolia

- 14:25 – 14:40      **Integrated Exploration, Analysis and Improvements to Urban Water Based Institutional (WBI) Mechanisms for Informal Slum Settlements of India: Case studies from Mumbai, Lucknow and Kolkata cities**  
Ms. Priyanjali Bose and Mr. Soham Majumder
- 14:40 – 14:55      **Pharmaceutical residuals in water: social challenges and opportunities for upstream mitigation measures in home setting**  
Ms. Anne-Claire Maurice
- 14:55 – 15:10      **The Implications of Physical and Technical Conditions on Flood Resilience in Self-build Housing in Tropical Wet and Dry Nigeria**  
Ms. Bobuchi Ken-Opulum
- 15:10 – 15:30      **Open discussion on Knowledge of the Technical and Social Conditions**

- 15:35 – 16:40      **Youth Online Panel | Challenges and Solutions in Water, Megacities and Global Change : *Vision of Global Youth***  
Organized by the Youth Steering Committee. [Consult the programme here.](#)

## HOLISTIC WATER MANAGEMENT

**Moderator :** Mr. James Leten,  
Senior Manager, Water Resources, UNDP-SIWI Water Governance Facility

- 13:00 – 13:15      Development and implementation of a holistic framework for Nature-Based Solutions actuation in urban areas  
Ms. Maria Dubovik
- 13:15 – 13:30      Evaluating the response of water quality to pollutant loading in the Saigon River system (Vietnam) : modelling scenarios by C-GEM, an estuarine biogeochemical model  
Mr. An Truong Nguyen
- 13:30 – 13:45      Towards an integrated management of the Ile-de-France sanitation system  
Mr. Sam Azimi
- 13:45 – 14:05      **Open discussion on Holistic Water Management**

— break —

## SERVICE CONTINUITY

**Moderator :** Ms. Graciela Schneier-Madanes, Professor Emerita, CNRS France

- 14:10 – 14:25      Coping mechanism during erratic rainfall, frequent drought and challenge to supply potable water to millions, a case study of Jaipur City  
Mr. Anil Dutt Vyas
- 14:25 – 14:40      Water supply problem for commercial activities on the former Abidjan-Grand-Bassam route (South-East urbanization front on Abidjan)  
Ms. Honorée Ghislaine Konan-Kouame

## STRENGTHENING OF SUSTAINABLE SOLIDARITY

- 14:40 – 14:55      Eau de Paris : Preventive management of water resources by development of durable territorial dynamics  
Mr. Antoine Szadeczki
- 14:55 – 15:15      **Open discussion on Service Continuity and Strengthening of Sustainable Solidarity**

## INNOVATIVE INITIATIVES 1

**Moderator :** Ms. Liudmyla Odud, Youth Steering Committee representative

- 13:00 – 13:15      **City Water Resilience Approach- A five-step methodology to build water resilience at an urban scale**  
Ms. Panchali Saikia
- 13:15 – 13:30      **Sinking cities: what economic and governance conditions lead to greater resilience?**  
Ms. Colette Ashley
- 13:30 – 13:45      **To guide territories toward a planned change of urban stormwater management practices**  
Ms. Elodie Brelot
- 13:45 – 14:05      **Open discussion on Innovative initiatives 1**

— break —

## INNOVATIVE INITIATIVES 2

**Moderator :** Ms. Diane d'Arras, President, International Water Association

- 14:10 – 14:25      **An innovative data platform for multiple stakeholders to aid decision-makers with Knowledge, Education, and Governance in Groundwater resources management**  
Ms. Cristiana Barsony-Arcidiacono, Mr. Stéphane Brabant,  
Mr. Emmanuel De Romémont
- 14:25 – 14:40      **Green infrastructure and stormwater management: opportunities and challenges**  
Ms. Rae Zimmerman
- 14:40 – 14:55      **Working better together : interagency cooperation as the key to large-scale urban water reuse**  
Mr. Eric Rosenblum and Ms. Shannon Spurlock
- 14:55 – 15:15      **Open discussion on Innovative initiatives 2**

## INNOVATIVE INITIATIVES 3

**Moderator :** Mr. Hamanth Kasan, General Manager Scientific Services, Rand Water

- 13:00 – 13:15      **Water and Sanitation Sector Integrity Risk Index**  
Mr. Mihaly Fazekas and Mr. Alfredo Hernández Sánchez
- 13:15 – 13:30      **Assessing Integrity Management in Water Utilities**  
Mr. Umrbek Allakulov
- 13:30 – 13:45      **Resilient Governance for Resilient Cities – Assessing the Governance Context for Green Infrastructure Implementation in Hoboken**  
Ms. Leonie Staas
- 13:45 – 14:05      **Open discussion on Innovative initiatives 3**

— break —

## PLANNING TOOLS

**Moderator :** Ms. Oriana Romano, Head of Unit, Water Governance and Circular Economy in Cities, OECD Centre for Entrepreneurship, SMEs, Cities and Regions

- 14:10 – 14:25      **Global change in the Sun Corridor megaregion : managed aquifer recharge planning tools in the Central Arizona Desert, USA**  
Ms. Rebecca Bernat
- 14:25 – 14:40      **Access to water for human consumption in Lima, Peru: an analysis of challenges and solutions**  
Ms. Natalie Jean Burg
- 14:40 – 14:55      **City Blueprint Assessment in 3 Central African Cities : a contribution for the improvement of Urban Water Security**  
Mr. Ibrahima Abdoulahi
- 14:55 – 15:15      **Open discussion on Planning tools**

## TECHNICAL AND TECHNOLOGICAL SOLUTIONS

**Moderator :** Mr. Benjamin Gestin, Director General, Eau de Paris

- 13:00 – 13:15      **Reconstruction and simplification of the Greater Paris sewerage network**  
Ms. Katia Chancibault
- 13:15 – 13:30      **Technical and technological solutions that leverage the resilience of water supply systems - the experience of EPAL, Lisbon, Portugal**  
Ms. Ana Margarida Luís
- 13:30 – 13:45      **Ecohydrology for sustainable urban water management**  
Mr. Maciej Zalewski and Mr. Paweł Jarosiewicz
- 13:45 – 14:05      **Open discussion on Technical and Technological Solutions**

— break —

## NEW WATER CULTURE

**Moderator :** Mr. Pierre-Alain Roche, President of the mobility and transport section of the CGEDD,  
French Ministry of Ecological and Solidarity Transition

- 14:10 – 14:25      **The waterwheel : a socio-spatial method for understanding and displaying holistic water systems**  
Ms. Carola Hein
- 14:25 – 14:40      **It takes a team: helping Megacities build water security in the face of socio-economic and climate change challenge**  
Ms. Felicia Marcus
- 14:40 – 14:55      **Life Cycle assessment of wastewater source separation scenarios : case study on a new district in Bordeaux, France**  
Ms. Mathilde Besson
- 14:55 – 15:15      **Open discussion on New Water Culture**

## YOUTH DECLARATION

15:15 – 15:30

**Challenges and solutions in Water, Megacities and Global Change :  
Vision of Global Youth**

Mr. Benjamin Strzelecki and Ms. Rinan Shah,  
Youth Steering Committee representatives

Outcome of the Youth Panel for the Pre-conference of 7 December 2020

## CLOSING

**Moderator : Mr. Jean-Claude Deutsch, President of the Steering Committee**

15:30 – 15:45

- **Mr. Abou Amani**  
Director a.i., Division of Water Sciences and Secretary a.i.,  
Intergovernmental Hydrological Programme (IHP) of UNESCO
- **Co-Chairpersons of the Programme Committee**  
Ms. Blanca Jiménez Cisneros, Director-General of CONAGUA, Mexico  
Mr. Jean-Marie Mouchel, Professor at Sorbonne University, France
- **H.E. Ms. Véronique Roger-Lacan**  
Ambassador, Permanent Delegate of France to UNESCO

*We hope that you will follow us on Zoom and YouTube from 7 to 11 December 2020  
and to see you in December 2021 at UNESCO Headquarters in Paris for the Second  
International Conference "Water, Megacities and Global Change".*



<https://en.unesco.org/events/eaumega2021/preconference>

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