

GW²I SESSION – GLOBAL STORM AND WASTE-WATER INITIATIVES: PAST, PRESENT AND FUTURE

Plenary Session - Auditorium Laginha Serafim

Scope

It is crucial that wastewater management be considered as part of unified, full life-cycle, ecosystem-based water management in today's world of water scarcity. The agricultural, energy and resource potential lost in the lack in wastewater treatment must be recognized, and its deleterious effect on the environment seen around the world needs to be urgently addressed. The need to address the global wastewater challenges has been echoed in the post 2015 Sustainable Development Goal 6: 'Ensure access to water and sanitation for all.

The GW²I will be of particular interest to participants wishing to understand today's landscape of global wastewater management. The GW²I is in a unique position of identifying, facilitating and synchronising action, and can share insights on successful projects to-date. This is an opportunity for stakeholders to further engage in this global initiative and to help accelerate solutions to the wastewater challenges that are shared by the world's population.

This session will seek to outline global wastewater management in the modern world providing a beneficial contextualisation of the symposium's theme. It will also seek to reach out to stakeholders dealing with wastewater technologies in ancient civilization for knowledge sharing and collaborations on the applicability of selected ancient water supply and wastewater management systems for the contemporary developing world. Joint actions for better wastewater management in the European and international spheres will also be explored thus promoting the work of the GW²I.

Target audience: Wastewater decision and policy makers, all stakeholders in wastewater management, academicians and practitioners

Programme

Session 1

14:00 - 14:15 Key note speech and opening remarks

Francisco Nunes Correia - Former Minister of Environment, Portugal

14:15 - 14:30 The Global Wastewater Initiative (GW²I) - The initiative, vision for the future, the actions

Dr. Birguy Lamizana - UNEP GPA

14:30 - 14:45 Historical Development of Wastewater Management

Prof. Larry Mays - Arizona State University

- 14:45 - 15:00 Wastewater challenges combining past, present and future : Rainwater harvesting as a sustainable technology for increasing water availability and reducing floods risks
Prof. Andreas Angelakis - IWA SG
- 15:00 - 15:15 Wastewater Reclamation and reuse in EUREAU countries
Pedro Béraud - AdP Internacional and Portuguese member of EurEau waste water committee
- 15:15 - 15:30 Wastewater challenges and Response from the GW²I (Regional Impacts: Case studies from East Europe and Africa)
Dr. Aslihan Kerc - Turkish Water Institute
- 15:30 - 15:45 *Coffee Break*

Session 2

- 14:45 - 16:00 Coping the Urban Flood Risk and Wastewater by Effective Water System Construction: The Ancient lessons from China for Present Age.
Prof. Xiao Yun Zheng - Past president IWHA
- 16:00 - 16:15 Evolution of Sanitation and Wastewater Technologies through the Centuries
Prof. Miquel Salgot - University of Barcelona
- 16:15 - 16:30 Wastewater challenges: Lessons learnt from North America and the Caribbean
Sasha Koo-Oshima - US EPA
- 16:30 - 17:10 Round table discussions (in Auditorium Laginha Serafim, and Rooms AFD 3.1 and AFD 3.3)
- Applicability of selected ancient water supply and wastewater management systems for the contemporary developing world
Facilitated by *Helena Alegre - LNEC*
- Status of Wastewater challenges in the region and if there are opportunities to upscale
Facilitated by *Rodrigo Oliveira - IST-UL*
- The accelerated replication of joining the partnership
Facilitated by *José Saldanha Matos - IST-UL*
- 17:10 - 17:30 Take aways from round table discussions and closing remarks
Dr. Aslihan Kerc (SUEN, Turkey) and Dr Birguy Lamizana (UNEP)