

## KEYNOTE SESSIONS

Plenary Sessions - Auditorium Laginha Serafim



### **Keynote 1 - *Ancient Hydraulic Tunnels in the Mediterranean Area***

**Prof. Walter Dragoni  
(Università di Perugia, Italy)**

Walter Dragoni earned a degree in Geological Sciences at the University of Rome in 1969. Former Full Professor of Hydrogeology and Engineering Geology at Perugia University, Italy, he retired in 2015. At present, he is in charge of the Hydrogeology course at the same University (Master course on Petroleum Geology). Between 1970 and late 1990s, he worked as a field geologist for mining companies and as a researcher at the Italian National Research Council (CNR). For a couple of years, on behalf of CNR, he acted as a consultant for the Italian Civil Defense, dealing with landslides, floods and groundwater issues. At present, his research is mainly devoted to the mathematical modeling of water systems and to investigate the impacts of climate variations on the water cycle (since 2000, he has been an external reviewer for IPCC). During the last few decades, he carried out researches on the archaeology of water. (Website: <http://www.noselfcitations.com>).



### **Keynote 2 - *Water and Sanitation: Lessons Learned from the Past to a Sustainable Future***

**Prof. José Vieira  
(Universidade do Minho, Portugal)**

José M .P. Vieira is a PhD in Civil Engineer and Full Professor at University of Minho. He has been invited professor in the Universities of Coimbra, Santiago de Compostela (Spain), and São Paulo (Brazil). He is also a former Vice-Rector and Pro-Rector of the University of Minho. He has been the President of the Portuguese Association of Sanitary and Environmental Engineering. Currently he is the chair of the IWA Water Safety Planning Specialist Group and the President of the European Federation of National Associations of Engineering – FEANI. He has participated as coordinator of a large number of research and development projects in the fields of water resources planning and management, hydroinformatics, hydrodynamics and dispersion of pollutants in estuaries and coastal zones, and drinking water supply and public health.



**Keynote 3 - *Capture and Management of Ground and Stratum Water in the Hittite Empire 3600 Years Ago***

**Prof. Hartmut Wittenberg  
(Leuphana University, Germany)**

Hartmut Wittenberg, Emeritus Professor of hydrology and water resources management at the Leuphana University of Lüneburg, Germany, and consultant in international water projects. Graduation in civil engineering at the Technical University of Braunschweig in 1969. After two years in structural engineering for a civil contractor, research associate at the Institute of Water Engineering, University of Karlsruhe. Dr. in engineering, thesis on flood hydrology in 1974. From 1975-83 working in a consulting engineering company in water projects in Europe, Africa, South Asia and Latin America. Since 1983 Professor, his research is focused on hydrology including projects on water history and archeology in Portugal, Spain and Turkey.