Building knowledge is crucial for adapting to climate change in the field of water. However, gaps and needs in terms of water and climate knowledge are still significant, especially in developing countries.

This event will offer the opportunity to outline scientific knowledge needs to better understand, assess and anticipate the resilience of hydro-systems to climate change. It will showcase gaps and needs in terms of data acquisition, information system and modeling but also provide recommendations for knowledge development in order to reduce climate uncertainty, better understand the vulnerability of regions and populations at different scales and take smart science-based decisions for water management.

Finally, it will engage the discussion on how to refine the results and improve the forecasts by developing dynamic and complex hydro-climatological models.

INTRODUCTION  Jean Launay, President of the French Water Partnership

MODERATION  Eric Servat, Director of Research at the IRD, Director of IM2E

PART 1 - KEYNOTE INTERVENTIONS

- Implementation of the Paris Agreement and water-related SDG’s: by enhancing international cooperation on data, tools and knowledge sharing
  Anil Mishra, Programme Specialist, Section on Hydrological Systems and Water Scarcity, UNESCO International Hydrological Programme (IHP)

- Recommendations for knowledge development to reduce water and climate uncertainties
  Johannes Cullman, Director Water and Climate Department, World Meteorological Organization

- From the valorisation of hydrological information to the evaluation of water resources: a prerequisite for sustainable water management. The case of Algeria.
  Azzedine Mebarki, Laboratory Manager and Professor at the University of Constantine

PART 2 - ROUNDTABLE

- Jean François Donzier, General Director, International Office for Water
- Laurent Pacoud, Project Manager, Water and Sanitation Division, Agence Française de Développement
- Mohamed Azaroual, Water Environment & Ecotechnologies Division, BRGM
- Guillaume Storme, Deputy Head of Flow Management Division, Networks Departments, SIAAP
- Benjamin Noury, Research Engineer, IRSTEA
- Demetrio Innocenti, Adaptation Coordinator ad interim of the Division of Mitigation and Adaptation,

CONCLUSION  Eric Servat, Director of Research at the IRD, Director of IM2E