Maria-Helena Ramos

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Maria-Helena Ramos is a research scientist in hydrology and hydrometeorology. She is also occasional lecturer on hydrology and water resources at universities and engineering schools in Paris. She started her career in Brazil, where she was awarded a BSc in Civil engineering in 1993 and an MSc in Environment and water resources in 1998. She moved to Grenoble, France, and was awarded a PhD in Atmospheric and Earth Sciences in 2002. She carried out research on hydrometeorological ensemble forecasting at the Joint Research Center of the European Commission in Italy before joining INRAE in France in 2007. Since then, she has focused her research on methods to improve flood and drought forecasting, to communicate forecast uncertainty and to inform decision making in water resources management (hydropower, water supply) under present and future climate conditions. She has organized several workshops and training courses on forecasting and co-authored games for teaching and training on the use of probabilistic predictions in hydrology. She was co-chair of the Hydrological Ensemble Prediction Experiment (HEPEX) (2014 – 2018) and president of the Hydrological Sciences Division of the European Geosciences Union (EGU) (2019 – 2023). She is currently co-chair of the EGU Programme Committee and member of the Scientific Steering Committee of the World Weather Research Programme (WMO).