

Paul Bates is a Professor of Hydrology at the University of Bristol in the UK and a leading expert on the modelling of floodplain inundation. He is a Fellow of the American Geophysical Union, holds a Royal Society Wolfson Research Merit Award and in 2019 was made a Commander of the British Empire (CBE) by Queen Elizabeth the Second for his services to flood risk management. He has held Visiting positions at Princeton University, Dept. of Civil Engineering, Laboratoire National d'Hydraulique, Paris, the EU Joint Research Centre, Ispra, Italy and NASA Jet Propulsion Laboratory. He is also Chairman and Founder of the flood risk analytics company Fathom (www.fathom.global).

He has widespread research interests in risk, resilience, uncertainty, governance and decision-making in relation to natural hazards and global water issues. He is a double recipient of the Lloyd's of London Science of Risk prize and in 2015 he was awarded a 50th Anniversary Prize for Economic Impact by the UK's Natural Environment Research Council. He has published over 200 papers in international peer-reviewed journals, and his main science contribution has been to improve the prediction of flood inundation through the development of new computer models, the use of data from new airborne, satellite and ground sensors and through the better characterization of risk and uncertainty.

Presentation Title: Modelling river flood risk for the whole continental US