

RMetS/NCAS Conference 2016

High Impact Weather and Climate

6 – 8 July 2016, University of Manchester

Title of Workshop:	Flooding From Intense Rainfall: advances in science and practice
Session	Predicting Workshop 3 Thursday 7th July 16.00-18.00 (P10)
Workshop Summary (150 words max)	<p>This workshop will bring together academics researching flooding from intense rainfall and industry and government actors to share new research and current stakeholder research priorities. There will be a mixture of thematic short talks from researchers and industry/government actors, with an emphasis on participatory discussion from all with an interest in this field.</p> <p>Current research aims to reduce the risks of damage and loss of life caused by surface water and flash floods through improved identification, characterisation and prediction of interacting meteorological, hydrological and hydro-morphological processes that contribute to flooding associated with high-intensity rainfall events.</p> <p>Talks will cover current operational surface water flood forecasting and progress in research and development within the UK.</p>
Workshop Programme:	<p>Surface Water Flood forecasting at the Flood Forecasting Centre, Jonathan Millard, Flood Forecasting Centre, Exeter Advances in real-time forecasting of surface water flooding and impact, Steven J. Cole. Robert J. Moore and Steven Wells, CEH</p> <p>The NERC Flooding from Intense Rainfall Research Programme , Sarah Dance, University of Reading and Sue Ballard, Met Office</p> <p>Results from Urban Inundation Modelling within the NERC Flooding from Intense Rainfall Research Programme, Albert Chan, University of Exeter</p> <p>Discussion</p>
Workshop Chair(s)	Sarah Dance, Associate Professor, University of Reading Sue Ballard, Manager of Data Assimilation@Reading, Met Office
Workshop Speakers	Jonathan Millard, FFC, Exeter Steven Cole, CEH Sarah Dance, University of Reading and Sue Ballard, Met Office Albert Chan, University of Exeter

Theme(s) addressed:	Operational Flood Prediction, Data Assimilation, Improving Initial Conditions and Forecasts from NWP systems, Improving hydrological and inundation models, Better understanding of flood risk
Intended outcomes:	An improved 2 way understanding between (i) researchers investigating flooding from intense rainfall and (ii) industry and government practitioners responsible for forecasting and risk mapping on the potential of new scientific developments in flooding from intense rainfall for improving practice, and also for researchers to understand the priorities and challenges in their daily practice.