

# RAINGAIN FINAL NATIONAL OBSERVERS GROUP (NOG) MEETING

Friday 11<sup>th</sup> September 2015

09:30 to 16:00

Imperial College London, Skempton Building, Room 201, London, SW7 2AZ

PROGRAMME	
09:30	<b>Refreshments</b>
10:00	<b>Welcome and introduction</b> ( <i>Susana Ochoa-Rodriguez, Imperial College London</i> )
10:10	<b>Overview of the RainGain project</b> ( <i>Marie-Claire ten Veldhuis – RainGain Project Coordinator, TU Delft</i> )
10:25	<b>Radar technologies to obtain higher resolution rainfall estimates suitable for urban hydrological applications</b> ( <i>Katie Norman, Met Office &amp; Susana Ochoa-Rodriguez, Imperial College London</i> ) <ul style="list-style-type: none"> <li>• UK Met Office super-resolution C-band radar product</li> <li>• X-band radar technologies: lessons learnt from tests at RainGain pilot locations</li> <li>• Costs, relative advantages and disadvantages of C-band and X-band technologies</li> <li>• Cost and availability of radar data in the UK</li> </ul>
11:15	<b>Break: tea &amp; coffee</b>
11:30	<b>Post-processing of radar rainfall estimates to enhance their accuracy and applicability for urban hydrology</b> ( <i>Christian Onof, Imperial College London &amp; Sharon Jewell, Met Office</i> ) <ul style="list-style-type: none"> <li>• Evaluation of nation-wide as well as localised radar-rain gauge merging strategies</li> <li>• New temporal interpolation techniques to meet the scales of fast urban runoff processes</li> </ul>
12:00	<b>High-resolution urban drainage (flooding) simulation</b> ( <i>Susana Ochoa-Rodriguez, Imperial College London</i> ) <ul style="list-style-type: none"> <li>• Added benefit of higher resolution urban drainage models</li> <li>• Added benefit of higher resolution rainfall estimates for urban drainage modelling</li> <li>• Short term forecasting of urban runoff: alternatives for local surface water flooding forecasting systems</li> </ul>
12:30	<b>Lunch</b>
13:15	<b>Place-Based Flood Resilience: Technology and governance</b> ( <i>Andy Johnston &amp; Andrew Walker, Local Government Information Unit</i> ) <ul style="list-style-type: none"> <li>• How can flood management integrate better with wider local government goals?</li> <li>• How does technology help us to build a more holistic and social idea of resilience?</li> <li>• Thinking about infrastructure in a different way to utilise community networks and assets</li> </ul>
13:45	<b>Questions Session:</b> members of the RainGain team will answer questions submitted by the audience <i>(chaired by Graeme Boyce, Flood Forecasting Centre)</i>
14:15	<b>Stakeholders' presentations:</b> a range of stakeholders will give brief presentations on how RainGain results are being used or might be used in their sector and what challenges remain. Speakers include: <ul style="list-style-type: none"> <li>• <i>Robert Moore, Centre for Ecology and Hydrology</i></li> <li>• <i>Johan Verlinde, City of Rotterdam</i></li> <li>• <i>Graham Squibbs, Representative of CIWEM Urban Drainage Group</i></li> <li>• <i>David Stewart, Torbay Council</i></li> <li>• <i>Michael Cranston, Scottish Environment Protection Agency</i></li> </ul>
15:00	<b>Break: tea &amp; coffee</b>
15:15	<b>Stakeholders' panel discussion:</b> stakeholders will answer questions from the audience and will further discuss the implications of RainGain results and remaining challenges <i>(chaired by Alex Nickson, Greater London Authority)</i>
16:00	<b>Close</b>