

























## LANDF ARM – Coastal flood risk – from storm surge and waves to inundation



RNRC flood risk	FRMRC flood risk management
Conclusions	Acknowledgement
<ul> <li>A model has been set up and validated to transfer wave parameters towards the shore including the effect of varying water depth, with a reasonable computational time.</li> <li>Regional modelling of water levels is sufficient for predicting nearshore conditions</li> <li>Assessment of climate change scenarios and SLR impacts on nearshore wave conditions</li> <li>Simulation of the nearshore conditions of 2007 event at Walcott → inputs for overtopping modelling</li> </ul>	<ul> <li>The research reported in this presentation was conducted as part of the Flood Risk Management Research Consortium with support from the:</li> <li>Engineering and Physical Sciences Research Council</li> <li>Department of Environment, Food and Rural Affairs/Environment Agency Joint Research Programme</li> <li>United Kingdom Water Industry Research</li> <li>Office of Public Works Dublin</li> <li>Northern Ireland Rivers Agency</li> <li>Data were provided by the EA and the Ordnance Survey.</li> </ul>

