

Coastal and Marine Implications of 1.5°C Global Warming and the Future of the Paris Agreement

2015 was a monumental year for the climate change community, where policy makers came together in Paris to agree on 'holding the increase in the global average temperature to well below 2°C above pre-industrial levels and pursuing efforts to limit the temperature increase to 1.5°C above pre-industrial levels'. Since then, scientists have been working hard to produce evidence for a Special Report to be released by the Intergovernmental Panel on Climate Change (IPCC) on 8th October 2018 on the impacts of global warming of 1.5°C above pre-industrial levels and related global greenhouse gas emission pathways, in the context of strengthening the global response to the threat of climate change, sustainable development, and efforts to eradicate poverty.

Several Southampton scientists have contributed scientific evidence towards this report, particularly on sea-level rise in coastal zones. SMMI is hosting a special seminar to recognise the importance of this report, where five Southampton scientists will present and discuss the science, contributions, and significance of their findings, in light of the important policy target of a warming of 1.5°C pre-industrial levels. Join us to hear more about the science and followed by a panel discussion on policy implications of the results.

AGENDA:

18:00	Prof. Damon Teagle (<i>Professor of Geochemistry, SOES, NOCS; Director Southampton Marine & Maritime Institute</i>)	Welcome
18:05	Dr. Ivan Haigh (<i>Associate Professor in Coastal Oceanography, SOES, NOCS</i>)	Ivan's research is focused on sea level rise and coastal flooding; and he will present on ' Background to the IPCC Report/Paris Agreement '
18:15	Dr. Philip Goodwin (<i>Lecturer, SOES, NOCS</i>)	Phil researches how carbon emissions link to climate change; and will present on ' Climate Projections '
18:25	Dr. Sally Brown (<i>Senior Research Fellow, FEPS</i>)	Sally is Lead Author of the Chapter 'Impacts of 1.5°C of Global Warming on Natural and Human Systems' of the IPCC Report; and will present on ' Impacts '
18:35	Prof. Robert Nicholls (<i>Professor in Coastal Engineering, FEPS</i>)	Robert has been a Lead Author of six previous IPCC reports; and will present on ' Implications '
18:45		'Q&A'
19:00	Panel Discussion	I: ' Implications of the Results – Science Needs II: ' Implications of the Results – Policy Needs '

When: Mon 8th October 2018, 18:00–20:00

Where: NOCS - Charnock Lecture Theatre 104/20

National Oceanography Centre Southampton; Waterfront Campus, SO14 3ZH