



May 13  
8:30-10:30  
Meeting Room 11

**Topic: Dealing with Risks**

## High-end climate change: Can we adapt to extreme futures?

### Programme

**Chair: Paula Harrison**

Time	Programme
08:30 – 08:45	Richard Betts, Jason Lowe, Jens Christensen, Kasper Kok, Svetlana Jevrejeva, Jan-Ludolf Merkens, Athanasios Vafeidis, Jochen Hinkel, Kirsty Lewis Scenarios of climate change impacts and adaptation above 2°C global warming
08:45 – 08:50	Q&A
08:50 – 09:05	Lorenzo Alfieri, L. Feyen, A. Bianchi, P. Burek, F. Dottori, G. Forzieri Ensemble evaluation of the future flood risk in Europe under high-end climate scenarios
09:05 – 09:10	Q&A
09:10 – 09:25	Mark Rounsevell, Paula Harrison, Timothy Carter, Ian Holman, Agustin Sanchez-Arcilla, IMPRESSIONS partners, HELIX partners and RISES-AM partners Evaluating the performance of models of impacts and adaptation under high-end climate change
09:25 – 9:30	Q&A
9:30 – 9:45	Agustin Sanchez-Arcilla, R.J. Nicholls, S. Brown, C. Ibañez, A. Vafeidis, J. Hinkel, R. Tol, R. Lasage, J.P. Ward, R. Betts, P.A. Harrison Adaptive coastal zones: A concept to improve natural resilience in the face of climate change
9:45 – 9:50	Q&A
9:50 – 10:05	Niki Frantzeskaki, Katharina Holscher, Jill Jäger, David Tabara, Ian Holman Linking transformative visions, pathways and solutions to high-end climate change: A systems approach
10:05 – 10:10	Q&A
10:10 – 10:25	Science-policy panel with Marco Gemmer (DG R&I), Eleni Manoli (DG R&I), Richard Betts (University of Exeter), and Agustin Sanchez-Arcilla (Politechnical University of Catalonia)
10:25 – 10:30	Q&A

#### Poster presentations:

Akemi Tanaka, Kiyoshi Takahashi, Yuji Masutomi, Naota Hanasaki, Yasuaki Hijioka, Hideo Shiogama, Yasuhiro Yamanaka  
Adaptation pathways to maintain global wheat production through the 21st century

Francesc Cots, J. David Tàbara  
Transformative cooperation to confront climate high-end scenarios in Iberia. The case of the Tagus and the Guadiana river basins.



Jan-Ludolf Merkens, Athanasios T. Vafeidis, Jochen Hinkel  
Developing global scenarios of coastal population for the shared socioeconomic pathways

Kirsty Lewis  
Mapping high-end climate change: the Human Dynamics of Climate Change project

Tsanis, L. Papadimitriou, M.G. Grillakis, A.G. Koutroulis  
The effect of bias adjustment in modelling global terrestrial water cycle and extremes

Sven Willner, Andreas Dobler, Katja Frieler, Anders Levermann  
Extreme floods - an assessment of direct and indirect economic impacts on the global supply network

Michalis Vousdoukas, Evangelos Voukouvalas, Alessandro Annunziato, Alessio Giardino, Luc Feyen  
A European storm surge model for projections of extreme water levels under high-end climate change scenarios

Piero Lionello, Dario Conte, Luca Scarascia, Agustin Sanchez-Arcilla, Joan Sierra, Cesar Mosso, Jochen Hinkel  
Vulnerability of the Mediterranean coast in high-end climate change scenarios

Daniel Lincke, Jochen Hinkel  
Coastal adaptation: protect or retreat?

Rob Tinch, Cindy Schoumacher, Marco Grasso, Marco Ettore Grasso, Francesco Lamperti, Mauro Napolitano, Andrea Roventini, Alessandro Sapio, Antoine Mandel, Jill Jäger, J. David Tabara  
Developing approaches to evaluation of adaptation options under high-end scenarios

Miriam Dunn, M. Rounsevell, J. Hagg  
Exploring decision-making related to risks posed by high-end climate change scenarios to land resource management sectors in Scotland

Henrik Carlsen, Magnus Benzie  
Analysing security implications of indirect impacts of high-end climate change

Dr Wright Mr, Julian, Norwich  
Adapting to high-end sea-level rise in London: the Thames Estuary 2100 project and the pathways and thresholds approach

Prof Hesselbjerg Christensen Mr, Jens, Copenhagen  
Scalability of Regional Climate Change in Europe for High-End Scenarios