

# ANTARCTICA AND OVERSHOOT SCENARIOS: RISKS OF IRREVERSIBLE SEA-LEVEL RISE



WEDNESDAY, 3RD NOVEMBER 2021, 15:00-16:15 GMT, SKOMER (MULTIMEDIA STUDIO 2)

Recent published research shows the danger of massive, potentially irreversible, global sea-level rise within the next couple of centuries should temperatures overshoot 2°C. SCAR and IPCC scientists provide a clear-eyed look at risks from Antarctica and implications for SIDS and future generations.

SCAR Scientific Research Programme leaders (including IPCC SROCC, SR1.5 and AR6 lead authors on Antarctic ice loss and committed sea level rise even with later CDR) and 1.5 emissions pathways experts will discuss the risk of irreversible sea-level



PROF ROBERT M. DECONTO

Prof Robert M. DeConto is Co-Director, School of Earth & Sustainability at the University of Massachusetts-Amherst, USA. Rob studies polar climate change, the response of ice sheets to a warming climate, and coastal impacts of sea-level rise. He is a Lead Author and Contributor to the IPCC Special Report on the Ocean and Cryosphere in a Changing Climate (SROCC).



DR FLORENCE COLLEONI

Dr Florence Colleoni is Senior Scientist and Principal Investigator at Istituto Nazionale di Oceanografia e di Geofisica Sperimentale - OGS, Italy. Her research uses Earth Climate System Models, ice-sheet models and Glacio-isostatic adjustment models to investigate the interactions between ice sheets and climate. Florence is the Co-Chief Officer of the SCAR Scientific Research Programme 'INSTabilities & Thresholds in ANTarctica (INSTANT).



DR THOMAS BRACEGIRDLE

Dr Thomas Bracegirdle is a Research Scientist at British Antarctic Survey, Cambridge, UK. He is the Co-Chief Officer of the SCAR Scientific Research Programme 'Near-term Variability and Prediction of the Antarctic Climate System' (AntClimNOW) and the former Co-Chief Officer of the 2012-2020 Scientific Research Programme 'Antarctic Climate Change in the 21st Century' (AntClim21).



DR JOERI ROGELJ

Dr Joeri Rogelj is Director of Research at the Grantham Institute and Reader in Climate Science & Policy at the Centre for Environmental Policy at Imperial College London, UK. He contributed to the Fifth Assessment Report of the Intergovernmental Panel on Climate Change (IPCC), served as a Coordinating Lead Author on mitigation pathways for the IPCC Special Report on 1.5°C of Global Warming, and as a Lead Author for the IPCC's Sixth Assessment.

ORGANISERS:

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