

Fourth International Conference on Earth System Modelling

28 August – 1 September 2017 | Hamburg, Germany

Venue: Helmut Schmidt Auditorium, Bucerius Law School, Jungiusstr. 6, 20355 Hamburg

The Max Planck Institute for Meteorology is pleased to announce the 4th International Conference on Earth System Modelling (4ICESM). The 4ICESM will advance discourse around four themes related to the World Climate Research Programme's **Grand Science Challenges**. Invited cross-cutting presentations on the history, philosophy and sociology of Earth system science and a conference keynote lecture will complement presentations and posters on each of the themes, as outlined below.

Conference keynote: **Thomas Stocker** (University of Bern, Switzerland)

I. Clouds, circulation and climate sensitivity

(Convenors: Bjorn Stevens and Sandrine Bony)

Keynote Presentations : **Amy Clement**, (University of Miami, USA) and **Steve Sherwood** (University of New South Wales, Australia)

II. Decadal prediction and attribution

(Convenors: Jochem Marotzke and Gabi Hegerl)

Keynote Presentations by **Ed Hawkins** (University of Reading, UK) and **Friederike Otto** (University of Oxford, UK)

III. Modelling past climate changes

(Convenors: Martin Claussen and Pascale Braconnot)

Keynote Presentations by **Sandy Harrison** (University of Reading, UK) and **Peter Huybers** (Harvard University of Cambridge, USA)

IV. Carbon feedbacks in the climate system

(Convenors: Tatiana Ilyina and Pierre Friedlingstein)

Keynote Presentations by **Anna Michalak** (Stanford University, USA) and **Pedro Monteiro** (CSIR, Pretoria, South Africa)



Cross-cutting invited presentations on the history, philosophy and sociology of Earth system science: **Amy Dahan Dalmedico** (CNRS, France); **Reiner Grundmann** (University of Nottingham, UK); **Matthias Heymann**, (Århus University, Denmark); **Johannes Lenhard** (Universität Bielefeld, Germany); **Wendy Parker** (University of Durham, UK); **Simone Roedder** (Universität Hamburg, Germany); **Lenny Smith** (London School of Economics, UK).

Oral and poster contributions are being solicited for contributions to each of the four themes. Please visit the conference website (www.4icesm.eu/) for abstract submission details and other conference information.



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