

# 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 4<sup>th</sup> 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 Montiero** (CSIR, Pretoria, South Africa)



Cross-cutting invited presentations on the history, philosophy and sociology of Earth system science: **Amy Dahan** (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 (<http://www.mpimet.mpg.de/wissenschaft/4icesm/>) for abstract submission details and other conference information.



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