

## Call for abstracts: Model evaluation and attribution using ISIMIP historical simulations: recent publications and future works

The Inter-Sectoral Impact Model Intercomparison Project phase 2a (ISIMIP2a) has been designed for the evaluation of modelled climate impacts through comparison to spatially and temporally explicit historical change. An amendment to ISIMIP2a will provide forcing data for a counterfactual world without climate-induced trends, but historical variability to enable the attribution of past climate impacts.

The aim of this session is to

- 1) present existing works based on ISIMIP2a in an advanced state of analysis, i.e. that are either already published or (close to be) submitted for publication in a scientific journal.
- 2) present planned studies using ISIMIP2a and the new attribution amendment. This freer session can include sketches of studies. We especially look for ideas on better constraints of impact models through additional historical datasets (past growing seasons, past flooded areas, etc).

For example it would be great to discuss questions such as:

- From process understanding to climate litigation - Which role of climate impact models in proving causality?
- Right for the wrong reasons? - When does it make sense to constrain uncertain model parameters by observational data?
- Stylized facts in climate impact model evaluation - What are the observed signals climate impact models should really reproduce?
- From guessing to knowing damages at 1°C of global warming - Do damage functions prove right or wrong?

### *Format:*

The first part of the session, focusing on existing studies, will follow a traditional “presentation plus plenary discussion” scheme. The format of the second part will depend on the number and nature of submissions: It may be similar to the first part; or it may kick-off with shorter presentations of research ideas which will then be followed by parallel, targeted discussions in smaller groups.

### *Submitting Abstracts:*

Abstracts addressing the first part of the session should clearly lay out the main results as well as the wider implications of the studies. For abstracts for the second type of presentation, a clear outline of the idea is enough. Submissions should indicate approximate presentation time required (max. 12 minutes).

**Please submit your abstract via email to [felix.john@pik-potsdam.de](mailto:felix.john@pik-potsdam.de) by 22 March, 2019.**