



POTSDAM INSTITUTE FOR  
CLIMATE IMPACT RESEARCH



**ISIMIP**  
Inter-Sectoral Impact Model  
Intercomparison Project

## The Intersectoral Impact Model Intercomparison Project (ISIMIP)

### Biomes-Permafrost-Fire Meeting 17-5-2022

Sector coordination

Biomes: Jinfeng Chang, Christopher Reyer

Permafrost: Eleanor Burke

Fire: Fang Li, Chantelle Burton, Stijn Hantson



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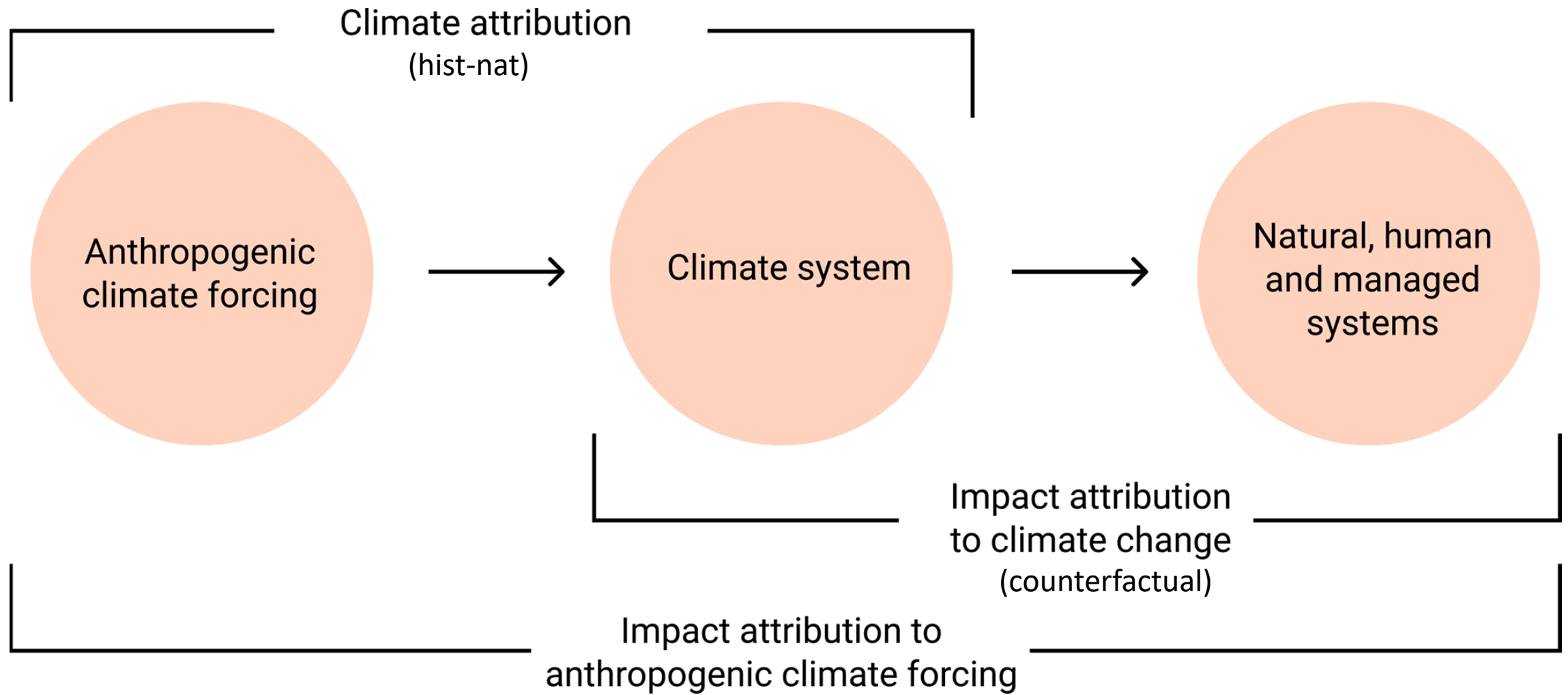
# Agenda (1hour session)

- Biomes/Fire/Permafrost Sector Overview and Simulation Status (30min)
- Scientific talks ((10+5min):
  - *“Attributing globally observed permafrost warming to anthropogenic climate change”* (Lukas Gudmundsson)
  - *“Towards a new burned area data set for fire model evaluation”* (Seppe Lampe)

# Data updates

- Climate data (missing values in ISIMIP3a counterfactual and spin-up climate)
- Nitrogen fertilizer
- Gridded Population data
- Land-use data
- ...

# ISIMIP3a impact attribution special issue



# ISIMIP3a impact attribution special issue

- Fire
  - Chantelle Burton et al.
  - Seppe Lampe et al.
  - Fang Li et al.
  - Chaeyeon Park et al.
- Biomes
  - Akihiko Ito et al.
- Permafrost
  - Chang et al.

# Next meetings & key lists

- Peat sector to start soon (see next session)
- Regular calls

## Mailing lists:

- [isimip-followers@listserv.dfn.de](mailto:isimip-followers@listserv.dfn.de)
- [isimip-caveats@listserv.dfn.de](mailto:isimip-caveats@listserv.dfn.de)
- <https://www.listserv.dfn.de/sympa/info/proclias-all>
- Join PROCLIAS Working Groups:
- <https://www.cost.eu/cost-action/process-based-models-for-climate-impact-attribution-across-sectors/#tabs+Name:Working%20Groups%20and%20Membership>
- Or via <https://proclias.eu/>

# Biomes Sector

# Updates from modelers

<https://docs.google.com/spreadsheets/d/1RcgoZMI4KiLPDKB41ZWONSKjR-LPboLn0vnQmnbPYo/edit#gid=0>

(Please also consider the second sheet)





# ISIMIP3 more biomes paper plans

## Paper plans

- Sian Kou-Giesbrecht
- Qing Zhu
- More ideas? (<https://docs.google.com/spreadsheets/d/1RcgoZMI4KiLPDKB41ZWONSKjR-LPboLn0vnQmnbPYo/edit#gid=0> → second sheet)

## Updates ongoing papers

- Eleanor Burke (plus ISIMIP3)
- Thomas Hickler et al.
- ?