PROCLIAS

ISIMIP
Inter-Sectoral Impact Model Intercomparison Project

Common datasets and protocols for climate impact modelling

Working Group 1

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Potsdam, 16th May 2022.

Plans for today

14:35-17:40

Schedule

- 70 min Plenary session (14:35-15:45)
- 25 min Coffee break (15:45-16:10)
- 90 min Parallel Break-out sessions (16:10-17:40)

Plenary program

- Overview
- ISIMIP Simulation protocol and available forcing data
- ISIMIP Land use patterns
- ISIMIP High-resolution climate forcing data
- ISIMIP Data quality
- New data sources
  - Data for climate impact attribution in Europe

WG1 mission

Aims are to

- improve the technical skills of the impact modelling community to handle large datasets and complex file formats
- unravelling the benefits of using common protocols

Main tasks

- data harmonization and management
- quality assurance and checking
- developing cross-sectoral impact modelling protocols

Note that

- WG1 has strong connection to ISIMIP
- Some taskes are governed only by ISIMIP
- PROCLIAS provide the networking opportunities and expanding the focus

Brings together scientists that are

- experts in handling data that are relevant for climate impact simulations
- have experience in developing climate impact modelling protocols

Task groups

Break-out room sessions

1.1 Land-use pattern for ISIMIP3

Katja Frieler, Christopher Reyer

CORE

1.2 Automatic QC/QA of impact model outputs

Hannes Müller Schmied

COMPLEMENTING

1.3 Using new data sources for CC impact models

Celray J. Chawanda

NEW

1.5 ISIMIP3 protocol and data paper

Katja Frieler, Christopher Reyer

CORE

1.6 Protocol for WG I-type detection and attribution

Wim Thiery

COMPLEMENTING

1.7 High resolution climate data for ISIMIP3

Dirk Karger

CORE

1.10 Global water quality modelling protocol = 3.9 !

Maryna Strokal

->WG3

GCM selections

Big data storage

Sub-daily forcing fields

Relation to ISIMIP

- **CORE**
- **COMPLEMENTING**
- **NEW**

Next

1. Katja Frieler: ISIMIP Simulation protocol and available forcing data (10+5 min)
2. Miodrag Stevanovic: ISIMIP Land-use patterns (10 min)
3. Dirk Karger: ISIMIP High-resolution climate forcing data (10 min)
4. Hannes Müller Schmied: ISIMIP Data quality (10 min)
5. Alo Laas: New data for modeling water (10 min)
6. Dominik Paprotny: Data for climate impact attribution in Europe - historical flood events (8+2 min)

Wim Thiery: 'hist-nat' simulations for climate attribution → WG2

PROCLIAS

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Let's get started!