

Detailed Program

Monday 22.04.

Time (UTC+2)	Session	Session organisers (chair in bold)	Venue
09:00-11:00	Registration		
11:00-13:30	Side event: FireMIP <ul style="list-style-type: none"> Welcome and on-going analyses /with FireMIP data, including previous studies, and new ISMIP3a studies) <i>For detailed information see separate program</i>	Chantelle Burton , Fang Li, Stijn Hantson , Matt Forrest	A56 Hasselmann Hall
12:45-13:45	Lunch break		
13:45-18:00	Side event: FireMIP <ul style="list-style-type: none"> Further Analyses and Future Runs (with discussion of the ISIMIP3b future scenario runs) Coffee break (15:00-15:30) Keynote: Kirsten Thonicke (17:30) <i>For detailed information see separate program</i>	Chantelle Burton , Fang Li, Stijn Hantson , Matt Forrest	A56 Hasselmann Hall
14:30-17:00	Side event: AgMIP-GGCM <ul style="list-style-type: none"> New Future of Ife grant project overview and protocol and scenario design General GGCM research updates 	Jonas Jägermeyr	A56 Telepresence room (0.38)

Tuesday 23.4.

Time (UTC+2)	Session	Session organisers (chair in bold)	Venue
09:00-12:00	Registration		
9:00-13:00	Side event: FireMIP <i>For detailed information see separate program</i> <ul style="list-style-type: none">• Developments in Data, Understanding and Modelling, & Fire Model Development Horizons• Coffee (10:15-10:45)	Chantelle Burton, Fang Li , Stijn Hantson, Matt Forrest	A56 Hasselmann Hall
10:00-12:00	Sector meeting: Fisheries <ul style="list-style-type: none">• Advances in modeling, data, and tools (10:00-11:00)<ul style="list-style-type: none">○ "BOATSv2: new developments & simulations" (Kim Scherrer)○ "Presenting AquaMaps/AquaX" (Gabriel Reygondeau)○ TBA• Discussion on AR7 needs, policy impacts, and future directions (11:00-12:00)<ul style="list-style-type: none">○ TBA○ TBA○ Discussion	Derek Tittensor, Julia Blanchard, Tyler Eddy	A56 Asien (2.33)
11:30-13:00	Sector meeting: Lakes <ul style="list-style-type: none">• Welcome and agenda• Current analysis using ISIMIP data<ul style="list-style-type: none">○ ISIMIP local lakes sensitivity using LakeEnsemblR○ Increasing warm-season evaporation rates across European lakes under climate change• Current status of the lake sector• Discussion<ul style="list-style-type: none">○ Adaptation options○ Plans for new analyses	Wim Thiery , Daniel Mercado, Isabel Ayala-Zamora, Robert Ladwig, Don Pierson	A56 Afrika (3.14)
13:00-14:00	Lunch break (to be continued)		

14:00-15:30	<u>Sector meeting: Peat</u> <ul style="list-style-type: none"> Peatlands have the potential to emerge as significant contributors to future climate warming (Nitin Chaudary) (virtual) 	Angela Gallego-Sala, Michel Bechtold, Noah Smith	A56 Telepresence room (0.38)
	<u>Sector meeting: Biodiversity</u> <p>10 min presentations + 2 min Q&A</p> <ul style="list-style-type: none"> Will land-use change continue to be the main driver for biodiversity loss in the future? (Edouard Davin) Comprehensive Expansion: Advancements in Downscaling Algorithms Beyond Temperature and Precipitation for the CHELSA Dataset (Dirk Karger) TBC (Damaris Zurell) ISIMIP update for Biodiversity Sector (Stefanie Heinicke, Christopher Reyer) Discussion 	Stefanie Heinicke, Christopher Reyer	House H, VR3
14:00-17:00	<u>Sector meeting: Water quality</u> <p>10 min presentations + 2 min Q&A</p> <ul style="list-style-type: none"> TBC (Edward Jones) Mapping present and future patterns of SDG indicator 6:3.2 in Africa using models (Maria Theresa Nakkazi) Development of the next steps towards Fast track and ISIMIP3 protocols 	Maryna Strokal, Rohini Kumar	House H, VR1
14:30-15:30	<u>Side event: FireMIP</u> <ul style="list-style-type: none"> Fire model development horizons II and wrap (14:30-15:30) 	Chantelle Burton, Fang Li, Stijn Hantson, Matt Forrest	A56 Hasselmann Hall
15:30-17:00	<u>Sector meeting: Agriculture</u> <p>10 min presentation + 2 min Q&A:</p> <ul style="list-style-type: none"> General updates GeoMIP involvement in ISIMIP and upcoming projects with Fisheries and Ag sector contribution GGCMI/ISIMIP 4 initial planning Validation of ISIMIP 3 crop simulations (Cornelia Auer) 	Jonas Jägermeyr, Sam Rabin	A56 Telepresence room (0.38)
16:00-17:30	<u>Sector meeting: Biomes/PF/Fire/Peat</u> <ul style="list-style-type: none"> Sector presentations and discussion 	Christopher Reyer et al.	A56 Hasselmann Hall
17:00-19:00	<u>Sector meeting: Energy</u> <ul style="list-style-type: none"> Two 10-15 minute inputs: One presentation by Ed Byers (IIASA) on developments and ideas for potentials of climate impacts emulation in energy sector modelling followed by a presentation by Francesco Pietro Colelli (CMCC) on the impacts of climate change on hydropower demand and supply in Italy. Presentation of ideas for joint papers on the basis of ISIMIP3 data. Discussion of these paper ideas and the perspective for an “integrated assessment” paper combining the work from the different subsectors. 	Christian Otto	A56 Telepresence room (0.38)

Wednesday 24.04.

Time (UTC+2)	Session	Session organisers (chair in bold)	Venue
09:00-10:00	Registration		
	PROCLIAS TG3.11: Heat warning catalogue	Aleš Urban	A56 Telepresence room (0.38)
	<ul style="list-style-type: none"> Changes in heat-mortality over time: Are countries adapting to heat fast enough? (Samuel Lüthi) Assessing the effects of the heat health warning system on mortality in 15 German cities: A difference-in-differences approach (Veronika Huber) 		
	Sector meeting: Fire/Peat	Stijn Hantson, Michel Bechtold, et al.	A56 Hasselmann Hall
	<ul style="list-style-type: none"> <i>Global Peat Fire Modelling: Opportunities and Challenges (Allan Spessa) (virtual)</i> Fire and Peat discussion 		
10:00-11:30	Sector meeting: Water quality	Maryna Strokhal, Rohini Kumar	House H, VR 1
	<ul style="list-style-type: none"> Status update on the process towards Fast track and ISIMIP3 protocols 		
	Sector meeting: Forests (TG2.5)	Christopher Reyer	House H, VR 3
10:00-11:30	10 min presentations + 2 min Q&A		
	<ul style="list-style-type: none"> Ecosystem dynamics in arid conditions should be increasingly considered in vegetation model's evaluation and improvement: The case of model iLand in Spanish pine forests (Agnish Kumar Das) <ul style="list-style-type: none"> <i>Testing robustness and plausibility of Biome-BGCMuSo simulations at a large scale (Katarina Merganicova) (virtual)</i> Reconciling climate-smart forestry in Europe with constraints on forest protection and timber demand (Konstantin Gregor) 		
10:00-11:30	Opening session	Christopher Reyer	A56 Hasselmann Hall
	<ul style="list-style-type: none"> ISIMIP/PROCLIAS updates and highlights (Katja Frieler, Christopher Reyer) ISIMIP QA/QC Tool (Hannes Müller Schmied, Jochen Klar) ISIMIP3b group III land use patterns (Edna Molina Bacca) <i>EUCRA viewer (Jose Manuel Gutierrez) (virtual)</i> 		
11:30-12:00	Coffee break		
12:00-13:30	ISIMIP3a results (“from too dry to too wet”)	Simon Gosling	A56 Hasselmann Hall
	10 min presentations + 5 min Q&A <ul style="list-style-type: none"> The fingerprint of climate change in crop losses during recent heatwaves and droughts (Jonas Jägermeyr) Attribution clarifies the complex impacts of climate change on vegetation biomass change (<i>Akihiko Ito, virtual</i>). Impacts of past and future climate change on northern peatland hydrology: first results from the ISIMIP peatland sector (Michel Bechtold) Changing flood processes under future climate scenarios (Lina Stein) <i>Towards validating reservoir operations in global hydrological models using satellite remote sensing – A case study in the CONUS (Naota Hanasaki, virtual)</i>. Summary of results on climate impact attribution on river discharge at the regional scale (from Topical Collection of papers in Climatic Change) (Valentina Krysanova) 		
13:30-14:45	Lunch break (to be continued)		

14:45-16:00	ScenarioMIP/ISIMIP4 General Introduction (Katja Frieler)	Christian Otto	A56 Hasselmann Hall
	Keynote: Brian O'Neill "Scenarios for CMIP7: Status and Next Steps"		
	ScenarioMIP/ISIMIP4 ScenarioMIP task force insights (Nico Bauer) ESM perspectives (Chris Jones, Colin Jones)		
16:00-16:30	Coffee break		
16:30-17:30	ScenarioMIP/ISIMIP4 Recap (Katja Frieler) Open discussion with expert panel (Brian O'Neill, Nico Bauer, Bart van den Hurk, Colin Jones/Chris Jones): ISIMIP data needs, IAM capacities, ISIMIP4-Scenarios	Franziska Piontek, Katja Frieler	A56 Hasselmann Hall
17:30-21:00	Poster Session I <ul style="list-style-type: none"> Examining the contribution of human induced climate change on global soil moisture drought characteristics (Aris Koutroulis) Graphical representation of global water models participating in the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b) (Hannes Müller Schmied) Thirsty sectors: a layered model for managing scarce water resources (Ioan Sabin Taranu) (TBD) John Kim Assessing the impact of climate change on erosion processes near bridges over rivers – data and methodological challenges (Kristina Potočki) Global warming is projected to lead to increased freshwater growth potential and changes in pace of life in Atlantic salmon <i>Salmo salar</i> (Adrian Rinaldo) How multi-sectoral climate-related risks could cumulate and affect livestock in West Africa (Audrey Brouillet) Biosphere destabilization in ISIMIP3b scenarios (Fabian Stenzel) Climate impacts on crop losses: Using satellite data and spatial models to foster food security (Shannon de Roos) 		A56 Hasselmann Hall
	Welcome reception		

Thursday 25.04.

Time (UTC+2)	Session	Session organisers (chair in bold)	Venue
09:00-10:00	PROCLIAS highlights from WG's 1-4 <ul style="list-style-type: none"> • WG1: ISIMIP3a high-resolution sensitivity experiments (Johanna Malle/Dirk Karger) • WG2: (Sabine Undorf) • WG3: Understanding multiple climate risks (Simon Gosling) • WG4: (Albert Nkwasa) 	Christopher Reyer	A56 Hasselmann Hall
10:00-11:00	Sector meeting: Water regional <ul style="list-style-type: none"> • Overview of results on climate impact attribution in our Special Issue (SI) • Discussion about a topic for further research and potential next SI 	Valentina Krysanova, Fred Hattermann	House H, VR 1
	PROCLIAS TG1.2: Automatic quality check / quality assessment of impact model output <ul style="list-style-type: none"> • Recent developments and use-cases • Way forward - discussing of further developments • Continuation of the network 	Hannes Müller Schmied	A56 Telepresence room (0.38)
	PROCLIAS TG3.2 Impact of heat on labour <i>Program tbc</i>	Shouro Dasgupta	House H, VR 3
	PROCLIAS TG4.2 Stakeholder mapping <i>Program tbc</i>	Liliana Zaharia, Gabriela Toroimac	A56 Asien (2.33)
	Early Career Session: Discussions on future research pathways: <ul style="list-style-type: none"> • Cross-sectoral research ideas • Catering the demands from the upcoming IPCC AR7 cycle • Addressing issues raised at COP28 	Jacob Schewe, Christopher Reyer, Katja Frieler	A56 Hasselmann Hall
11:00-12:00	Poster Session II + Coffee Break <ul style="list-style-type: none"> • Climate change impact on wireless communications (Louis-François Pau) • Unveiling the Value of Cultural Forest Services: Overcoming Analytical Challenges for Informed Policy Decisions (Melania Michetti) • Education and capacity building on climate change and planetary health for healthcare professionals in global context (Muhammed Asaduzzaman) • Routing climate model runoff from CMIP6 to project future changes in global river discharge (Pauline Seubert) • The effect of extreme weather on coastal ecosystems and their services (Sarah Hülsen) • Results of the ISIMIP Lake Sector calibration study (Tom Lorimer) • Vary me a river: investigating the impacts of climate variability on hydropower and electricity systems planning in Switzerland (Yann Yasser Haddad) • Assessing the Risk and Impact of Fire Weather under Different Climate Change Scenarios (Yi-Ling Hwong) 		A56 Hasselmann Hall
	Global water modelers side meeting (upon invitation only)	Hannes Müller Schmied, Simon Gosling, Jacob Schewe	A56 Telepresence Room (0.38)
to be continued			

12:00-13:30	<u>Cross-sectoral presentations and panel discussion</u> 10 mins presentations + 2 min Q&A <ul style="list-style-type: none"> • Global emergence of unprecedented exposure to climate extremes (Wim Thiery) • Temporal Dynamics of Internal Mobility in Response to Climate Extremes: A Global Analysis (2000-2019) (Kristina Petrova) • Interactive assessment of climate impacts and vulnerability hotspots using ISIMIP data & Climate impact emulation and integration to IAMs (Michaela Werning, Edward Byers) • <i>Regional economic climate impacts in Europe: preliminary results from the TRACE (PESETA 5) project (Ignazio Mongelli) (virtual)</i> 	Maryna Stokal	A56 Hasselmann Hall
<u>Cross-sectoral panel discussion: study prospects</u>		Jacob Schewe	
13:30-14:30 Lunch break			
14:30-15:00	Keynote: Bart van den Hurk "Impact assessments and scenarios in the Seventh IPCC Assessment Cycle: overview of current discussions"	Christopher Reyer	A56 Hasselmann Hall
15:00-16:00	<u>Cross-sectoral panel discussion: AR7 demands</u>	Christopher Reyer	A56 Hasselmann Hall
16:00-16:30 Coffee Break			
16:30-17:30	<u>Cross-sectoral panel discussion: Impact monitoring</u>	Matthias Mengel	A56 Hasselmann Hall
Evening Joint dinner at Augustiner at Bürgerbahnhof (on own costs)			

Friday 26.04.

Time (UTC+2)	Session	Session organisers (chair in bold)	Venue
09:00-10:30	<p><u>ISIMIP results and closing remarks</u></p> <p>10 mins presentations + 5 min Q&A</p> <ul style="list-style-type: none"> • Exposure of Europe's critical transport infrastructure to climate extremes (Cristina Deidda) • Estimating Flood Risk under Global Warming: An Approach from the Insurance Industry (Giulia Giani) • The regularity of climate-related extreme events under global warming (Karim Zantout) • <i>Children disproportionately exposed to attributable heatwaves at low-latitude low-income countries (Rosa Pietroiusti) (virtual)</i> • Can we understand the variability in flood-induced displacement using process-based global flood modelling? (Sandra Zimmerman) • Global change impacts on ecosystems and food: bridging the land-sea divide (Julia Blanchard) 	Veronika Huber	A56 Hasselmann Hall
10:30-11:30	<p><u>PROCLIAS TG2.1: State of the art and ways forward for impact attribution</u></p> <ul style="list-style-type: none"> • How do ISIMIP3a detrended climate observations compare with GCM-based ISIMIP3b climate baselines? (Mel Thanatcha Brehon) 	Veronika Huber, Sabine Undorf, Matthias Mengel	A56 Hasselmann Hall
10:30-12:00	<p><u>PROCLIAS WG4</u></p> <ul style="list-style-type: none"> • Paper discussion: "Stakeholder Engagement in Climate Impact Attribution: Opportunities, Challenges, and Pathways to Impact" 	Albert Nkwasa	A56 Telepresence Room (0.38)