

Detailed Program

Monday 11.1. (note that on Monday we will have two slots with parallel sessions)

Time (UTC+1)	Session	Chair
9:00-10:00	<p><u>Sector meeting Forest</u></p> <ul style="list-style-type: none"> - discussing the idea of country scale multi-model simulations. - general idea (C. Reyer) - examples by D. Loustau, ... - discussing the table of available models and their constraints/data needs etc. - discussing next steps (e.g. integration of this activity as Task Group into COST Action PROCLIAS, next meetings, todos) - short break-out group with co-authors on forest evaluation paper ⇒ see extra link(Mats Mahnken) 	Christopher Reyer, Mats Mahnken
9:30-10:30	<p><u>Sector meeting Water global:</u></p> <ul style="list-style-type: none"> - status of simulations in the global water sector (ISIMIP2/3) - possible adaptation scenarios from the global water sector (results of survey) - sectoral thoughts on a ISIMIP3 special issue - any other discussion - <i>"JULES latest developments in ISIMIP3"</i> (Aristeidis Koutroulis) 	Hannes Müller-Schmied, Simon Gosling
10:00-12:00	<p><u>Sector meeting Energy (1)</u></p> <ul style="list-style-type: none"> - Presentation of track A, track B simulations and getting people involved (c. 30 minutes). - Participant presentations (c. 30 minutes). - Discussion of new ideas, including the demand side (c. 30 minutes). 	Victhalia Zapata
10:30-12:00	<p><u>Sector meeting Biomes & Permafrost</u></p> <ul style="list-style-type: none"> - status update biomes sector (C. Reyer, all modellers) - valid variable ranges for biomes models (C. Reyer) - paper presentations: <ul style="list-style-type: none"> - First analysis of ISIMIP3b simulation from VISIT and presentation of ISIMIP2b paper idea (A. Ito) - Disentangling the impacts of anthropogenic aerosols on terrestrial carbon cycle during 1850-2014 (Y Zhang) - Future greenhouse gas balance of northern peatlands: evidence from a multi-model assessment (C Qiu) - Additional paper plans tbc - discussion of peatland sector (A. Gädeke, A Galego-Sala, C. Reyer) - status update permafrost sector (A. Gädeke) and related permafrost activities (E. Burke, J. Kirchner) 	Philippe Ciais, Christopher Reyer, Anne Gädeke
to be continued		

12:00-13:30	<u>Sector meeting Energy (2)</u>	James Glynn
	<ul style="list-style-type: none"> - Introduction of the new Track focussing on the impacts of weather fluctuations and extremes on the Energy Sector - Series of input talks by groups that would be interested in participating in the sector - Discussion of protocol requirement with regard to input data (to be provided by ISIMIP) and output data - Scenario design 	
13:30-14:00	Lunch Break	
14:00-15:00	<u>Opening session</u>	Katja Frieler
	<ul style="list-style-type: none"> - Introductory Keynote: “tba” (Johan Rockström) - Welcome, ISIMIP news and awards ceremony (Katja Frieler, Christopher Reyer) 	
15:00-15:45	<u>Sector meeting Agriculture</u>	Jonas Jägermeyr
	<ul style="list-style-type: none"> - GGCMi Plum coupling (Sam Rabin) - Extreme event impacts on global crop productivity (Jonas Jägermeyr) - Potential poleward shift of major breadbaskets under climate change (Jim Franke) - Evaluation of empirical and process-based crop models (Haynes Stephens) - Discussion and way forward 	
15:45-16:15	Break	
16:15-17:15	<u>Climate forcing data: Ways to increase their temporal and spatial resolution</u>	Stefan Lange
	<ul style="list-style-type: none"> - 16:15 - Dirk Karger: “Challenges and prospects on the road to 1km ISIMIP3b daily climate data” - 16:45 - Sixto Herrera García: “From daily to sub-daily climate projections: Increasing the temporal resolution by means of statistical downscaling” 	
17:15-18:00	Break	
18:00-20:00	<u>Cross-sectoral meeting Biomes/Fire/Permafrost</u>	Anne Gädeke, Christopher Reyer
	<ul style="list-style-type: none"> - Short Keynotes on current exciting research questions and future prospects for biome-permafrost-fire modelling by: <ul style="list-style-type: none"> - Philippe Ciais - James Randerson - Sander Veraverbek - Moritz Langer - Eleanor Burke - discussion of paper ideas within ISIMIP3 either in plenary or as break-out groups 	

Tuesday 12.1. (note that on Tuesday we will have two slots with parallel sessions)

Time (UTC+1)	Session	Chair
9:00-10:30	<p><u>Socioeconomic input data for ISIMIP3b group III simulations</u></p> <p>Health</p> <ul style="list-style-type: none"> - data sets for labor productivity and heat-related mortality: i) prevalence of residential air conditioning, ii) % green spaces in specific cities, iii) hospital bed rates - sectoral breakdown 	Shouro Dasgupta
9:30-11:00	<p><u>Sector meeting Water regional (1)</u></p> <ul style="list-style-type: none"> - status update and - ongoing studies on Detection & Attribution 	Fred Hattermann, Valentina Krysanova
10:15-11:45	<p><u>Socioeconomic input data for ISIMIP3b group III simulations</u></p> <p>Land use models</p> <ul style="list-style-type: none"> - Status update of the preparation of ISIMIP LU pattern - technical break out session of selected participants to continue working on the data 	Hermann Lotze-Campen, Christopher Reyer
11:00-12:00	<p><u>Social break-out groups</u></p> <p>Please join the general session following the link to the right. Break-out groups will be created spontaneously upon request. Please make sure to have the latest Zoom version installed to be able to switch break-out groups easily.</p>	Martin Park
12:00-13:30	<p><u>Latest ISIMIP Results</u></p> <p>10 min presentations:</p> <ul style="list-style-type: none"> - "FishMIP: Towards model improvement and cross-sectoral linkages" (Julia Blanchard) - "Terrestrial biodiversity threatened by increasing global aridity velocity under high level warming" (Hao Shi) - "Effects of hydrological model evaluation on climate change impacts" (Valentina Krysanova) - "Streamflow-based evaluation of climate model sub-selection methods" (Jens Kiesel) - "Sensitivity of global river flood simulations to the choice of climate forcing and hydrological model" (Benedikt Mester) - "Aetiology-specific projections of temperature-attributable mortality due to enteric infections" (Paul Lester Chua) - "Climate change reduces winter overland travel across the Pan-Arctic even under low-end global warming scenarios" (Anne Gaedeke) - "Climate change signal in global agriculture emerges earlier in new generation of climate and crop models" (Jonas Jägermeyer) 	Martin Park
13:30-14:30	Lunch break, to be continued	

14:30-15:30	<p><u>Ongoing paper ideas and dedicated break-out groups</u></p> <ul style="list-style-type: none"> - “Assessing country level crop production risk based on ISIMIP3b crop yield simulations” (Samuel Eberenz) - “Inter-model agreements and differences in reproducing global terrestrial hydrologic fluxes and storages in ISIMIP simulations” (Farshid Felfelani, Yadu Pokhrel et al.) <p>The presented studies will be discussed in respective break-out groups. Please make sure to have the latest version of Zoom installed to be easily moved to the break-out group you would like to join. Additional break-out groups can also be requested spontaneously.</p>	Jacob Schewe
15:30-16:15	Break	
16:15-17:00	<p><u>Social break-out groups</u></p> <p>Please join the general session following the link to the right. Break-out groups will be created spontaneously upon request. Please make sure to have the latest Zoom version installed to be able to switch break-out groups easily.</p>	Martin Park
17:00-18:30	<p><u>Keynote</u></p> <p>“Attributing impacts of historical climate change: Recent progress in quantifying economic impacts using historical observations and climate model ensembles” (Noah Diffenbaugh, Stanford Woods Institute for the Environment)</p>	Christian Otto
////////////////////////////////////		
21:30-23:00	<p><u>Sector meeting Fisheries and Marine Ecosystems</u></p> <ul style="list-style-type: none"> - Update on CMIP6/ISI-MIP 3b analysis - Overview and update on latest round of FishMIP simulation modelling results and papers - Key model gaps and next steps - Historical Fishing effort driver dataset - Future drivers - update and progress: Phase 2 protocol and socio-economic forcing data for ISIMIP3b group III simulations - Cross-sectoral linkages - update and opportunities - FishMIP structure and coordination update. - Any other items 	Julia Blanchard, Derek Tittensor

Wednesday 13.1. (note that on Wednesday we will have one slot with parallel sessions)

Time (UTC+1)	Session	Chair
9:00-10:00	<p><u>Socioeconomic input data for ISIMIP3b group III simulations</u></p> <p>Water management</p> <ul style="list-style-type: none"> - sea water desalination, - inter-basin water transfers 	Naota Hanasaki, Jacob Schewe
10:00-10:15	Break	
10:15-11:45	<p>PROCLIAS Kick-Off meeting</p> <ul style="list-style-type: none"> - Introduction to COST ACTION PROCLIAS (C. Reyer) - Introduction to PROCLIAS WG1: Common datasets and protocols for climate impact modelling (W. Thiery) - Introduction to PROCLIAS WG2: Impact attribution and uncertainty assessments (V. Huber) - Introduction to PROCLIAS WG3: Cross-sectoral climate impacts (S. Gosling) - Introduction to PROCLIAS WG4: Communication and dissemination of climate impacts (I. Menke) 	Christopher Reyer, Veronika Huber
11:45-12:00	Break	
12:00-13:30	<p><u>Socioeconomic input data for ISIMIP3b group III simulations</u></p> <p>Water management</p> <ul style="list-style-type: none"> - future dam locations - dam operations 	Björn Sörgel (Jacob Schewe, Rocio Rivas)
13:30-14:00	Lunch Break, to be continued	
14:00-16:00	<p><u>Sector meeting Health</u></p> <ul style="list-style-type: none"> - Welcome and introduction (Veronika Huber, UPO, Sevilla) <p>14:05: The Lancet Planetary Health Special Issue: 10 min presentations of submitted papers:</p> <ul style="list-style-type: none"> - "Aetiology-specific projections of temperature-attributable mortality due to enteric infections" (Paul Lester Chua, Nagasaki University) (tbc) - "Mapping future scenarios of risk of Vibrio infections in a warming planet" (Joaquin Trinanes, NOAA) (tbc) - "Impacts of climate change on combined labour productivity and supply" (Shouro Dasgupta, CMCC) (tbc) - "Regional projections of temperature-attributable mortality in Europe" (Joan Ballester, ISGlobal) (tbc) - "Global, regional and national burden of mortality associated with non-optimal ambient temperatures from 2000 to 2019" (Qi Zhao, Shandong University) (tbc) - "Projecting the risk of mosquito-borne diseases in a warmer and more urbanized world" (Felipe Colon Gonzalez, LSHTM) (tbc) <p>15:05: Recent results/work in progress from the ISIMIP Health Sector:</p> <ul style="list-style-type: none"> - "Comparison of statistical and dynamical modelling approaches to predict the expansion of malaria vector <i>An. Sacharovi</i> in Greece under climate change" (Adrian Tompkins, ICTP) - "Estimating health-related social costs of carbon – work in progress" (Francis Dennig, Yale-NUSCollege) <p>15:15: Discussion on Special Issue follow-up and future plans:</p> <ul style="list-style-type: none"> - ISIMIP data management (Iliusi Vega del Valle, PIK), ISIMIP protocols, ISIpedia platform - PROCLIAS COST Action, ISIMIP3b focusing on adaptation, others 	Veronika Huber, Joacim Rocklöv
15:00-15:30	Break, to be continued	

15:15-16:00

Socioeconomic input data for ISIMIP3b group III simulations

Jonas Jägermeyer

Agriculture

- growing seasons

Thursday 14.1. (note that on Thursday we will have one slot with parallel sessions)

Time (UTC+1)	Session	Chair
9:00-10:30	<p><u>ISIMIP3a climate data: trends and counterfactuals</u></p> <p>09:00-09:30 - Hyungjun Kim - "Long-term variability of surface meteorology in GSWP3 forcing data" 09:30-10:00 - Graham P. Weedon - "Trends from 1979 to 2018 in the WFDE5 and WFDEI datasets" 10:00-10:30 - Stefan Lange - "ATTRICI v1.1 - counterfactual climate for impact attribution"</p>	Jan Volkholz
10:30-10:45	Break	
10:45-12:15	<p><u>Sector meeting Water regional (2)</u></p> <p>- Next Special issue: studies, participants and timelines</p>	Fred Hattermann
12:15-12:30	Break	
12:30-13:30	<p><u>Socioeconomic input data for ISIMIP3b group III simulations</u></p> <p>Water management - non agricultural water withdrawals and uses</p>	Jacob Schewe
13:30-14:00	Lunch Break	
14:00-15:30	<p><u>PROCLIAS WG1</u></p> <p>"Common datasets and protocols for climate impact modelling"</p>	Wim Thiery
14:00-15:30	<p><u>PROCLIAS WG2</u></p> <p>"Impact attribution and uncertainty assessments"</p>	Veronika Huber
15:30-16:30	Break	
17:00-18:30	<p><u>Keynote</u></p> <p>"tba" (Tamma Carleton, Bren School of Environmental Science & Management, UC Santa Barbara)</p>	Björn Sörgel

Friday, 15.1. (note that on Friday we will have one slot with parallel sessions)

Time (UTC+1)	Session	Chair
9:00-11:00	<u>Sector meeting Lakes</u> <ul style="list-style-type: none"> - Status of ISIMIP2b simulations - Status of ISIMIP2b analyses and papers - Timeline of ISIMIP3a-b simulations - Call for data: many physical sites + a few biogeochemistry supersites? What are the data requirements? - Varia 	Wim Thiery
11:00-11:15	Break	
11:15-12:45	<u>PROCLIAS WG3</u> "Cross-sectoral climate impacts"	Simon Gosling
11:15-12:45	<u>PROCLIAS WG4</u> "Communication and dissemination of climate impacts"	Inga Menke
12:45-13:30	Break	
13:30-14:00	<u>Closing remarks</u>	Katja Frieler
14:00-14:45	<u>PROCLIAS:</u> Results of WG meetings and next steps	Christopher Reyer
14:45-15:30	<u>PROCLIAS:</u> MC meeting (PROCLIAS MC members only)	Christopher Reyer
////////////////////////////////////		
20 January 14:00-16:00	<u>Sector meeting Biodiversity</u> <u>tbc.</u>	Thomas Hickler, Christopher Reyer