

Cross-sectoral ISIMIP online Workshop 15-18 June 2020

Sectoral session	Keynote	General session	ISIMIP3b socioeconomic input data
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time UTC+2	Monday 15 June		Tuesday 16 June	Wednesday 17 June	Thursday 18 June
9:00-10:00	Sector meeting: Water global	Sector meeting: Forest	Adaptation / Non-Adaptation in ISIMIP3b simulations	SOC data: Water management - sea water desalination, inter-basin water transfers https://docs.google.com/document/d/1aUoNVwZYcXbc7j7t5fHiVtw5Oy2SsyDFHsRnw06USQ/edit	SOC data: Health - Labor sector breakdown, heat-related adaptation https://docs.google.com/document/d/12aoFiOcykiuZCgY2Rz6t3BJhvsszX-P9gr4Z611cPpM/edit?usp=sharing
10:00-10:15				15 min break	
10:15-10:30				SOC data: Land use models - Land use and irrigation, fertilizer input https://docs.google.com/document/d/1yfv2a4dfsaDvGisWUsmCNGlxvtPFXSttHHG0CaCgWF4/edit?usp=sharing	Sector meeting: Water regional (2)
10:30-11:30	Sector meeting: Energy	Sector meeting: Biomes	Sector meeting: Water regional (1)		
11:30-11:45					
11:45-12:00				15 min break	
12:00-12:30	Sector meeting: Lakes		Bias correction	SOC data: Water management - Dam locations, dam operations https://docs.google.com/document/d/1nTYUgf3brJ61PT3tHQDEtHngZ4_g5CiWvuh-8FoKew/edit	Conflicts, migration and displacement
12:30-13:30			Sector updates, ISlpedia		
13:30-13:45				15 min break	Closing remarks
13:45-14:00	15 min break		15 min break	SOC data: Water management - non agricultural water withdrawals & uses https://docs.google.com/document/d/1GZq9kbNsST-72n3OHYImBzADkqqkTy737kZc2_U81al/edit	ISIMIP SAB meeting
14:00-14:45	Opening Introductory Keynote by Ottmar Edenhofer		Impact Attribution: Concepts, counterfactual climate forcing, metrics		
14:45-15:00				15 min break	
15:00-15:45	Sector meeting: Agriculture			SOC data: AG - growing seasons https://docs.google.com/document/d/1NW4APSyIjD9S1ESOCO3FWoFvWe4ah1UkxykxBfehNLO/edit	
15:45-16:00	15 min break		15 min break		
16:00-16:15	Keynote: Is climate sensitivity higher than assumed so far? (Kasia Tokarska)		Keynote: Law and Science of Attribution (Michael Burger)	15 min break	
16:15-17:00				Water quality	
17:00-17:30					
17:30-18:00			Research highlights		
18:00-19:00	Cross-sectoral meeting: Biomes/Fire/Permafrost				
19:00-20:00					
20:00-21:30					
21:30-23:00			SOC data: Future fishing efforts and its drivers https://docs.google.com/document/d/1ZuYAeUOeGQRS7g6RMvHs_MqwCwbQ49SFz8OnExaR1Pc/edit		

Detailed Program

Monday 15.6.

note that on Monday we will have two slots with parallel sessions

Time (UTC+2)	Session	Chair	Technical moderator
9:00-10:00	Sector meeting Water global: <ul style="list-style-type: none"> - status update, plans for ISIMIP3 - ISIMIP3 Bias Adjustment and Precipitation. - Update on model description paper. - Future paper plans, - PROCLIAS (EU COST) - Summary of water issues relevant to other sessions, e.g. adaptation 	Hannes Müller-Schmied, Simon Gosling	Jacob Schewe
9:00-10:00	Sector meeting Forest <ul style="list-style-type: none"> - status update and planning of new country-scale simulations within ISIMIP, - follow up from Potsdam meeting in March 2020 	Christopher Reyer	Christopher Reyer
10:00-10:30	Break		
10:30-11:30	Sector meeting Energy <ul style="list-style-type: none"> - status update, - current issues and possible improvements, - future activities 	Victhalia Zapata	Franziska Piontek
10:30-12:00	Sector meeting Biomes <ul style="list-style-type: none"> - status update 	Philippe Ciais, Christopher Reyer	Christopher Reyer
12:00-13:45	Sector meeting Lakes <ul style="list-style-type: none"> - ISIMIP2b: Simulations status and planned contributions - ISIMIP2b: highlight of active analyses - ISIMIP2b: paper ideas list, procedure for welcoming new ideas - Info: planned communication to GLEON/GLTC/... - Info: IPCC AR6 modified timeline - ISIMIP3: discussion on protocol and timeline 	Wim Thiery	Jacob Schewe
13:34-14:00	Break		
14:00-15:00	Opening session <p>Introductory Keynote: "At least 4 reasons why climate impact research is very important" (Ottmar Edenhofer)</p>	Katja Frieler	Christopher Reyer
15:00-15:45	Sector meeting Agriculture <ul style="list-style-type: none"> - Introduction, 10 min (Jonas Jägermeyr, Columbia/NASA) - Representation of historical heat waves and drought impacts in GGCM models, 10 min (Stefanie Heinicke, PIK) - CMIP6 climate and crop model ensemble estimates of future extreme event impacts on crops, 10 min (Jonas Jägermeyr, Columbia/NASA) - Drivers and trends in yield co-variability across major breadbasket regions, 10 min (Kai Kornhuber, Columbia) - Discussion: additional Phase 3 paper ideas (20 min) 	Jonas Jägermeyr	Barbara Templ
15:45-16:00	Break, to be continued		

16:00-17:00	Keynote	Stefan Lange	Jacob Schewe
"Is climate sensitivity higher than assumed so far?" (Kasia Tokarska)			
17:00-18:00	Break		
18:00-20:00	Cross-sectoral meeting Biomes/Fire/Permafrost:	Anne Gädeke	Christopher Reyer
<ul style="list-style-type: none"> - Ongoing paper presentations - Update of main biome model developments - Status update 3a/3b runs <ul style="list-style-type: none"> - Who is planning which runs? - Key issues: Forest harvesting data // PFT specific output // Evaluation with ilamb // Paper plans for AR6 			

Tuesday 16.6.

Time (UTC+2)	Session	Chair	Technical moderator
9:00-10:00	Adaptation / Non-Adaptation scenarios in ISIMIP3b group III simulations	Christopher Reyer	Franziska Piontek
10:00-10:30	Break		
10:30-11:30	Sector meeting Water regional (1)	Fred Hattermann, Valentina Krysanova	Rocio Rivas
<ul style="list-style-type: none"> - status update of current special issue on model evaluation, - introduction to the new special issue on attribution 			
11:30-12:00	Break		
12:00-12:30	Bias correction:	Stefan Lange	Christian Otto
<ul style="list-style-type: none"> - Updates of ISIMIP3BASD from v1.0 to v2.4.0 - Future development of the ISIMIP bias adjustment and statistical downscaling methods 			
12:30-13:45	Sector updates, ISlpedia:	Martin Park	Martin Park
<ul style="list-style-type: none"> - 5 minute-pitches on ongoing ISIMIP3-activities - update on ISlpedia status 			
13:45-14:00	Break		
14:00-15:45	Impact attribution:	Matthias Mengel	Jan Volkholz
<p>Concepts, counterfactual climate forcing and metrics</p> <p>Short presentations by:</p> <ul style="list-style-type: none"> - Lukas Gudmundsson: "Globally observed trends in mean and extreme river flow attributed to man-made climate change" - Inga Sauer: "Climate induced trends and variability in observed river flood damages" - Ana Maria Vicedo Cabrera: "Attributing recent heat-related excess mortality to historical climate change across 732 locations in 43 countries." 			
15:45-16:00	Break, to be continued		

16:00-17:00	Keynote "Law and Science of Attribution" (Michael Burger, Sabin Center for Climate Change Law)	Matthias	Stefan Lange
17:00-17:30	Break		
17:30-19:00	Research highlights Presentations: <ul style="list-style-type: none"> - Yadu Pokhrel: "Global Terrestrial Water Storage and Drought Severity under Climate Change" - Ahmed Elkouk: "Changes and uncertainty in soil moisture drought from multi-model hydrological projections in North Africa and Sahel region under global warming" - Wim Thiery: "The kids aren't alright" - Inne Vanderkelen: "Global heat uptake by inland waters" - Camelia Telteu: "Understanding each other's models: a standard representation of global water models to support intercomparison, development, and communication" - Juan-Carlos Ciscar: "Climate impacts and adaptation in Europe (JRC PESETA IV project)" - Hazem Krichene: "Impacts of extreme weather events on economic growth" 	Christian Otto	Barbara Templ
19:00-21:30	Break		
21:30-23:00	Socioeconomic input data for ISIMIP3b group III simulations: Future fishing efforts and its drivers <ul style="list-style-type: none"> - wild fish demand - future cost of fishing - future fish price - subsidies 	Derek Tittensor	Jacob
		<ul style="list-style-type: none"> - future fishing effort - improvements in fishing technology - aquaculture, mariculture - future distribution of management restrictions on fishing 	

Wednesday 17.6.

Time (UTC+2)	Session	Chair	Technical moderator
	Socioeconomic input data for ISIMIP3b group III simulations		
9:00-10:00	Water management <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	Land use models <ul style="list-style-type: none"> - Land use and irrigation - fertilizer input 	Hermann Lotze-Campen	Christopher Reyer
11:45-12:00	Break		
12:00-13:30	Water management <ul style="list-style-type: none"> - future dam locations - dam operations 	Björn Sörgel	Rocío Rivas
13:30-13:45	Break, to be continued		

13:45-14:45	Water management - non agricultural water withdrawals and uses	Simon Gosling	Jacob Schewe
14:45-15:00	Break		
15:00-16:00	Agriculture: growing seasons	Jonas Jägermeyr	Martin Park
	<ul style="list-style-type: none"> - GGCM crop calendar updates, 10 min (Jonas Jägermeyr, Columbia/NASA) - Can growing season adaptation compensate for climate change losses?, 10 min (Florian Zabel, LMU) - Global crop yields benefit from adapting phenology to climate change, 10 min (Sara Minoli, PIK) - Discussion: growing season adaptation as socioeconomic adaptation measures in ISIMIP 3b (30 min) 		
16:00-16:15	Break		
16:15-18:00	General session: Water quality	Rafael Marcé	Jacob Schewe
	<ul style="list-style-type: none"> - Global models potentially contributing water quality simulations (temperature, nutrients, sediment, organic matter), within or beyond current ISIMIP model catalog. - Determine technical details of interfacing models from different sectors - Decide on an initial question or two to work on and related indicator(s). - Potential cross-sectoral synergies (adaptation, etc.) 		

Thursday 18.6.

Time (UTC+2)	Session	Chair	Technical moderator
	Socioeconomic input data for ISIMIP3b group III simulations:		
9:00-9:30	Health: labor sector breakdown	Shouro Dasgupta	Franziska Piontek
9:30-10:30	Health: heat-related adaptation	Veronika Huber	Franziska Piontek
10:30-11:30	Sector meeting Water regional (2)	Fred Hattermann, Valentina Krysanova	Rocío Rivas
	<ul style="list-style-type: none"> - discussion: papers and ideas for new special issue on attribution - short presentation: "Australia wide hydrological application of the ISI-MIP bias-correction method", by Louise Wilson and Chantal Donnelly. 		
11:30-12:30	Break		
12:30-13:30	Conflicts, migration and displacement:	Jacob Schewe	Christian Otto
	Presentations: <ul style="list-style-type: none"> - Barbora Sedova: "Links between climate change, migration, and violent conflict" - Jacob Schewe: "Assessing the impacts of climate change on flood displacement risk" 		
13:30-13:45	Closing remarks	Katja Frieler	Jacob Schewe