

FireMIP Agenda

22-24th April 2024

Together with ISIMIP, at the Potsdam Institute

Monday 22nd	A56 Hasselmann Hall	
	Chairs: Stijn & Chantelle	
11.00-11.30	Introduction and overview of FireMIP Including overview of simulations, use of data, fire in ISIMIP	Stijn Hantson
On-going Analyses (with FireMIP data, including previous studies, and new ISMIP3a studies)		
11.30-11.45	Overview of ISIMIP3a & FireMIP paper	Chantelle / Seppe
11.45-12.00	PM2.5 in ISIMIP3a	Chaeyeon Park
12.00-12.15	High-latitude fire representations across the latest generation of global models	Matt Kasoar
12.15-12.45	Discussion on new paper plans with existing runs	
12.45-13.45	LUNCH	
13.45-14.00	Fire activity changes from fuel- to moisture- limited along geographic gradients in rainfall within biomes	Riley Wadehra (ONLINE)
	Chairs: Chantelle & Stijn	
Further Analyses and Future Runs (with discussion of the ISIMIP3b future scenario runs)		
14.00-14.10	Update on ISIMIP3b future simulations and land use data	Christopher Reyer
14.10-14.30	Discussion on plans / who will do what runs	
14.30-14.45	Coupled NASA GISS ESM, "ModelE"	Keren Mezuman
14.45-14.55	Overview of CMIP7	Fang Li
14.55-15.00	Organise breakouts	Chairs
15.00-15.30	Break	
15.30-17.00	Breakouts:	
	Group 1: Discussion on coupling fire in ESMs / CMIP7	
	Group 2: Continued paper discussions	
	Group 3: To be decided on the day	
17.30	Key note talk	Kirsten Thonicke
19.00	FireMIP Dinner (location tbc)	

Tuesday 23rd	A56 Hasselmann Hall	
	Chairs: Fang & Matt	
09.00-09.30	Breakout wrap-up	
Developments in Data, Understanding and Modelling, & Fire Model Development Horizons		
09.30-09.45	Global fire model Li2024	Fang Li
09.45-10.00	The FLARE Workshop's Future Directions of Fire Science, and What it Means for Global Fire Modelling	Doug Kelley (ONLINE)
10.00-10.15	Determination of the Relationship between	Turgay Dindaroglu

	Thermal Change and Burn Rate in Plant Materials Affected by wildfire Using Hand Held Thermal Camera and Satellite Image	
10.15-10.45	Coffee	
10.45-11.00	Capturing human-natural interactions in global fire modelling	OI Perkins (ONLINE)
11.00-11.15	Modelling cropland and non-cropland burnt area in Europe using the BASE model	Matthew Forrest
11.15--11.30	Reconstructed global burned area using machine learning methods	Wei Li
11.30-11.45	A dynamic tiled representation of forest fire and harvest with subgrid-scale heterogeneity in CLASSIC	Sal Curasi (ONLINE)
11.45-13.00	Discussion: What have we learnt that we should be including in our models?	
13.00 - 14.00	Lunch	
	Chairs: Matt & Fang	
14.00-14.15	Enhanced future vegetation growth with elevated carbon dioxide concentrations could increase fire activity	Bob Allen (ONLINE)
14.15-14.30	Predicting Carbon Monoxide Emissions from Amazon Rainforest Fires: Fitting and Equations	Sarah Gallup (ONLINE)
14.30-14.45	Extreme fires and how to model them	Stijn Hantson
14.45-16.00	Discussion & Coffee	
16.00-17.30	Fire / Biomes / Permafrost / Peat Joint Sector Meeting: 1) Introduction - peat 2) Introduction - biomes 3) Introduction - permafrost 4) Introduction - fire 5) Discussion	

Wednesday 24th	Peat Fire Meeting A56 Hasselmann Hall	
	Chairs: Stijn & Michel	
09.00-09.15	Global Peat Fire Modelling: Opportunities and Challenges	Allan Spessa (ONLINE)
09.15-10.00	Fire and peat discussion	
	See the ISIMIP agenda for the rest of the meeting	

Contact numbers (WhatsApp):

Stijn: +57 311 5901521

Chantelle +44 7792 161701