

Ginkgo Network Meeting

Nov 27 - 29, 2024



AGENDA

Nov 27 (Wednesday)

12:30	13:30	<i>registration, fingerfood</i>	
13:30	13:45	Welcome	Sönke Zaehle and Phillip Papastefanou, MPI-BGC
		Session I: Simulating Functional Diversity	Chair: Philipp
13:45	14:10	Effect of plant functional diversity on terrestrial climate	Pin-hsin Hu, MPI BGC
14:10	14:30	Using a Trait-based DGVM to simulate large-scale spatial and temporal patterns of plant traits	Mateus Dantas, Senckenberg Biodiversity and Climate Research Center
14:30	14:50	Modelling many grassland plant species in the trait-based vegetation model GrasslandTraitSim.jl	Felix Nößler, Freie Universität Berlin
14:50	15:10	A process-based model analysis on global functional diversity pattern of non-vascular vegetation	Yunyao Ma, University of Copenhagen
15:10	15:30	Non-vascular vegetation in Earth System models	Philipp Porada, Universität Hamburg
15:30	16:00	<i>coffee break</i>	
		Session II: Land-use change and mitigation	Chair NN
16:00	16:20	Recent advances in modeling land management - climate interactions in JSBACH	Julia Pongratz, LMU München
16:20	16:40	Soil and vegetation responses to biochar application in terms of its feedback on carbon sequestration under different environmental conditions– LiDELS model overview	Mikita Maslouski, Universität Hamburg
16:40	17:00	Modelling responses to extreme heat / drought in agricultural systems on larger scales	Martin Lioba, Karlsruher Institut für Technologie IMK- IFU
17:00	18:30	Poster Session	
18:30	19:30	<i>Dinner (in house buffet / icebreaker)</i>	
19:30	21:00	wrap-up first day	

Nov 28 (Thursday)

Session III: ICON-Land			Chair NN
09:00	09:15	Introduction to ICON-Land	Reiner Schnur, MPI for Meteorology
09:15	09:35	ICON-Land developments at MPIM (with a focus on high latitudes)	Victor Brovkin, MPI for Meteorology
09:35	09:55	ICON-Land development and plans at MPI-BGC (QUINCY)	Sönke Zaehle, MPI-BGC
09:55	10:10	Land use Transition implementation in ICON-Land	Mingue Zhang, LMU München
10:10	10:30	ICON-Land usage and plans at Deutscher Wetterdienst	Linda Schlemmer, Deutscher Wetterdienst
10:30	11:00	<i>coffee break</i>	
11:00	12:30	BOG 1: Vegetation and soils under water stress / extremes	C1.011
		BOG 2: How can new data best support models?	A2.025
		BOG 3: ICON-Land infrastructure	B0.002
12:30	13:30	<i>lunch</i>	
13:30	15:00	BOG 4: Biodiversity in Global Ecosystem Models	B0.002
		BOG 5: Representing disturbance/land-use	A2.025
		BOG 6: Towards a common development of science in ICON-Land	C1.011
15:00	15:30	<i>coffee break</i>	
15:30	16:00	plenary: summary of BOG	
Session IV: Vegetation and Water			Chair NN
16:00	16:20	Modelling of coupled water flow and carbon transport in soil-plant systems	Jan Vanderborght, Agrosphäre Institute, IBG-3, Forschungszentrum Jülich
16:20	16:40	Vital role of hydraulic capacity uncovered by mechanistic modelling of extreme drought impacts on European forests	Phillip Papastefanou, MPI-BGC
16:40	17:00	ICON-Land-ParFlow Demonstrator	Stefan Kollet, Forschungszentrum jülich
17:00	17:20	HydroTiles in ICON-LAND	Tobias Stacke, MPI Hamburg
17:20	18:00	Townhall: Discussion on the future of Gingko Network	Chair: Sönke Zaehle

19:00 20:00 *Dinner (at own costs), Papiermühle*

Nov 29 (Friday)

Session V: Remote Sensing & Data Assimilation

Chair NN

09:00	09:20	Linking forest modelling and remote sensing	Andreas Huth, Helmholtz Centre for Environmental Research
09:20	09:40	Can remote sensing data provide additional constraints for carbon cycle processes at the ecosystem scale?	Sujan Koirala, MPI-BGC
09:40	10:00	Land data assimilation in ICON-XPP	Nils Noll, Deutscher Wetterdienst
10:00	10:20	Exploring the potential of observational Earth system data to improve weather forecasts performance	Melissa Ruiz Vasquez, MPI-BGC

10:20 10:50 *coffee break*

Session VI: Processes

Chair NN

10:50	11:10	Representing ecosystem disturbances in land surface models	Ana Bastos, Leipzig University
11:10	11:30	Implementing the P model in LPJ-GUESS	Matthew Forrest, Senckenberg BiK-F
11:30	11:50	Controls of N concentrations in leaves, branches, stems and roots of boreal and temperate trees (tbc)	Martin Thurner, KIT/IMK-IFU
11:50	12:10	Impacts of Changing Land Surface Phenology on Earth's Energy Balance	Alexander Winkler, MPI-BGC
12:10	12:40	wrap-up / AOB	