

**DAY 1** (5.3. 12:45 – 14:15 Uhr)

Name	Title
<b>Advancements in Biodiversity Research</b> – located in <b>area 1</b> on the foyer plan	
Christoph Keuschnig	Anoxygenic phototrophy on the Greenland Ice Sheet expands the light harvesting community during microbial summer blooms on ice surface
Daniel Vedder	Persefone.jl: landscape-scale biodiversity impacts of agricultural practices
Christian Hecht	Successional development of vegetation on glacier forefields of the Northern Limestone Alps
Esteban Acevedo-Trejos	Modelling the co-evolution of life, climate, and landforms
Izabella Baisheva	Late Glacial and Holocene vegetation and lake changes in SW Yakutia
Laura Schild	The impact of forest cover and past trajectories on biodiversity
Kathleen Stoof-Leichsenring	Sedimentary ancient DNA recovers past ecosystem and species interaction dynamics in the terrestrial Arctic
Helen Feord	Characterisation of glacier algal species
Friedrich Bohn	Modeling interactions of water fluxes with species and structural diversity in temperate forests
<b>Interdisciplinary Insights into Climate Change Impact and Adaptation</b> – located in <b>area 2</b> on the foyer plan	
Lona van Delden	FluxWIN – Continuous high-frequency CO <sub>2</sub> , CH <sub>4</sub> and N <sub>2</sub> O fluxes year-round from the Siikanen peatland, Finland
Diana Rechid	Biophysical impacts of land use changes on the local and regional climate - Results and lessons learnt from the CORDEX Flagship Pilot Study LUCAS
Katharina Bülow	Sugar beet of the future: model- and data-based Yield scenarios for climate-adapted selection in breeding (Beets4Future)
Stephanie Jurburg	Sustaining microbial interactions in a changing world
Mélissa Laurent	Impact of post-thaw hydrologic changes on the carbon cycle during Palsa degradation in northern Finland
Amedea Perfumo	Understanding the long-term dynamics of microbiome response to environmental changes through ancient DNA metagenomics
Rahmantara Trichandi	Changing climate effects on the deep weathering front: A seismic perspective
Dirk Scherler	Quantifying earth surface processes with cosmogenic nuclides
Larisa Tarasova	Changing flood generation processes: effects on predictability of extremes
Pamela E. Rossel	Organic carbon dynamics in extreme environments
Jasmin Heilemann	Projecting the Impacts of Extreme Weather Events on Crop Yields in Germany using LASSO Regression

<b>Governance and Management Options for Sustainability Pathways – located in area 3 on the foyer plan</b>	
Lea Kolb	Hedge planting subsidies - Simulations of policy to supports farmers in shaping more diverse landscapes
Yves Zinngrebe	Exposing telecoupled responsibilities: Relevance and leverage of the EU's crop imports
Torben Windirsch	Permafrost Carbon Stocks and Potential Management Strategies
Johannes Förster	Biodiversity in Corporate Sustainability Reporting
Mohammad Sadr	Navigating the potential of BECCS and forest-based solutions from the German bioenergy system perspective to achieve net-zero emissions in Germany
Linn Schaan	How to prioritise the European Union's Biodiversity Strategy target of 10 % agricultural landscape feature for restoration?
Elina Takola	Which agricultural management practices increase biodiversity and yield?
<b>Advancing Urban Climate Resilience – located in area 4 on the foyer plan</b>	
Uta Koedel	Next Generation City Climate Services
Olaf Kolditz	Digital Twins for Urban Systems: Combining water and energy infrastructures
Haibing Shao	Combined geothermal energy systems and blue-green infrastructures for climate resilient cities – BGI#KONATE
Ellen Banzhaf	Green-blue infrastructure for potential target values in cities
Florian Knutzen	Co-creation of a prototypical climate service product to support climate change adaptation in a city forest
<b>Innovative Approaches in Soil Research – located in area 5 on the foyer plan</b>	
Jeffrey Paulo Perez	Organic carbon and iron biogeochemical coupling in polar wetlands
Ute Wollschläger	Quantitative evaluation of soil functions - potential and state: application to the data of the German Agricultural Soil Inventory
Julius Diel	How to add Phosphorus to the BODIUM model?
Lucas Kanagarajah	Modelling the effects of global change on soil functions in different land-use types
Sara König	BODIUM - a systemic approach to simulate soil functions in agricultural systems
Toni Schmidt	Soil moisture products underestimate dry period severity in the root zone across Europe
Xiangtai Wang	Diversity and body size of soil nematodes on the Tibetan Plateau
Carsten Simon	Effects of long-term farmyard manure application on the molecular composition of soil organic matter

**DAY 2** (6.3. 13:30 – 15:00 Uhr)

Name	Title
<b>Remote Sensing and Ground-based Observational Techniques – located in area 1 on the foyer plan</b>	
Benjamin Brede	GFZ StrucNet - Monitoring forest structure with close-range sensing technologies
Birgit Heim	EXPERIMENTAL BOREAL DRONEBORNE AND AIRBORNE SUMMER ALBEDO ON EXPEDITIONS IN EASTERN SIBERIA (2021) AND NW CANADA (2023)
Nithin Dinesan Pillai	A comparative study of carbon fluxes measured at two different heights over an alpine steppe
Markus Schwab	Monitoring of environmental changes at lake Tiefer See (NE Germany)
Markus Schwab	Formation and dissolution dynamics of <i>calcite</i> and <i>bSi</i> in lake Tiefer See, NE Germany
Laura Dienstbach	Measurements at sites Hohes Holz, Großes Bruch, Hordorf
Nina Hobbhahn	eLTER Standard Observations as a blueprint for internationalization of in-situ observations in Earth Science
Francisco José Cuesta-Valero	Satellite remote sensing and Machine Learning for estimating ground heat flux
Veronika Döpper	Unlocking the potential of 3D-Data: Sensor agnostic segmentation of Arctic to Boreal point clouds
Pia Gottschalk	Monitoring cropland daily CO <sub>2</sub> exchange at field scales with decameter-resolution satellite imagery
Susanne Schmidt	BIGFE - Recording of water quality and water area extent of inland waters by remote sensing 01.07.2021 – 30.06.2024
Almudena García-García	A new satellite-based product for studying land-atmosphere interactions
<b>Exploring and Securing Forest Ecosystems – located in area 2 on the foyer plan</b>	
Kevin Rozario	Forests irrespective of their tree species richness modulate short-term mental well-being - a combined questionnaire, behavioural and EEG study.
Ramesh Glückler	Past and future wildfire regime changes and their impacts on Siberian boreal forests
Léa Enguehard	Unraveling boreal forests composition and drivers across scales in Eastern Siberia
Sarah Haupt	Boreal mountain treeline ecotone responses in changing climates
Stefan Kruse	From individuals to continental forests - simulating treeline migration and responses of forests to climate changes
Gerhard Helle	Global Change vs. Forest Trees - Trends in Long-Term Leaf Gas Exchange Response to Rising CO <sub>2</sub> , Pollution and Drought
Gerhard Helle	TERENO-NE - Integrating Past and Present to Assess Climate Change in the Arboreal System
Niklas Bruns	Multifunctional assessment of forest ecosystems through model coupling
Samuel Fischer	Using forest models to infer forest productivity from hyperspectral data
Anne Reichmuth	Natura 2000 areas under climate change: Effects of tree species distribution shifts

<b>Exploring and Securing Water Resources – located in area 3 on the foyer plan</b>	
Peter Herzsprung	Dissolved organic matter quality variations as function of time and space in two drinking water reservoirs in Germany
Theresa Blume	Forests, groundwater, lakes and a deep unsaturated zone: The TERENO Observatory Lake Hinnensee in the NorthEastern German Lowlands
Jan Fleckenstein	Microplastic transport in the hyporheic zone – A combined modeling and experimental study
Michael Kühn	Hydrochemical Evolution of Water in the Crystalline Basement Aquifer in the Pra Basin (Ghana): Field Observations and Geochemical Modelling
Julian Haas	G3P v1.12: Advancements of a Global Groundwater Storage Anomaly Dataset from Satellite Gravimetry
Afid Nur Kholis	Implementing an interactive interface between soil and groundwater hydrology for regional water resource management (LISA PhD topic)
Christian Klassert	Multi-sector adaptation to urban water insecurity – coupled human-natural systems modeling of informal water markets in Jordan
<b>Methodological Advancements in Climate and Landscape Modeling – located in area 4 on the foyer plan</b>	
Patrick Frings	Metal Isotopes in HELGES: Tracers of Earth Surface Processes
Mareike Wieczorek	The FAIR SAMPLES template for IGSN sample registration
Sebastian Müller	FINAM - is not a model
Ehsan Sharifi	A Novel Bias-Adjustment Methodology for Streaming Global Climate Models
Thorsten Wiegand	Non-parametric upscaling of stochastic agent-based models
Jan Sodoge	Understanding impacts of multi-year drought events with text-mining
Amelie Schmitt	Towards fully coupled modelling of climate-water-human interactions
Inge Wiekenkamp	