

Thursday, 19.09.2024

07:30-08:30	Registration with coffee/tea		
08:30-09:00	Opening and Welcome notes		
09:00-09:40	<b>Keynote: Ecological resilience of peatland to climate change - Chris Evans</b>		
09:40-10:00	Break		
10:00-12:00	Parallelsessions 1		
	1.1 Soil Properties and Biogeochemical Processes in Peatlands – Haojie Liu & Dominik Zak D1.201	2 Renaturierungspraxis in verschiedenen Moortypen - Cornelia Siuda D1.202	3 peatlands under stress and their ecological resilience - Juan Carlos Benavides & Matthias Drösler D1.301
10:00	Shrinkage Behavior of Peat and Other Organic Soils - Ronny Seidelet al.	Einleitung Renaturierungstechniken - Conny Siuda	Reaction and resilience of Austrian mires to 35-40 years of environmental stress: A comprehensive resampling study in 200 mires - Michael Steiner et al.
10:15	Peat Type and Climate Zone Control the Hydraulic Functions of Peat along a Bulk Density Gradient - Ji Qi et al.	Emerging challenges for realizing bog restorations in forests - Anna Kühnelet al.	How resilient is the Puergschachen bog as a GHG sink over 7.5 years? - Pamela A. Baur et al.
10:30	Soil Hydro-Physical Properties and Spatial Characteristics of Northern German Peatlands: Insights for Peatland Restoration Management - Miaorun Wang et al.	Peatland Restoration in Lower Saxony: Too big to Fail - Martha Graf	Climate and Water Stress Symptoms in S Bavarian Mires (Das „Schlenken- und Spirkensterben“ in südbayerischen Hoch- und Zwischenmooren) - Alfred Ringler
10:45	River connection determines soil development and physicochemical properties in hardwood floodplain forests of the lower middle Elbe - Lizeth K. Vásconez et al.	Nature conservation and monument preservation hand in hand: Renaturation practice at Lake Federsee - Judith Engelke, Katrin Fritzschn	Response of vegetation on the water level drop-down gradient on a calcareous fen (nw estonia) - Mati Ilomets et al.
11:00	Mineral nitrogen dynamics of peatland under paludiculture following organic fertilizer amendments in contrasting hydrological regimes - Wallace Ongara et al.	Chose a steel sheet pile wall - Elisabeth Pleyl	The N-factor at different layers in peatland areas of Northeastern Mongolia - Nandintsetseg Nyam-Osor et al.
11:15	Soil structure of peat and its role in ecosystem functioning - Haojie Lui et al.	So viel Wissen, so viele Daten- Konzeptionelle Umsetzung eines Moordaten- und Dokumentenmanagementsystems für die Erzgebirgsregion - Romy Wöllner	Peatland Morphology and Conservation. The Effect of a Metabolic Rift at Yaouk Swamp - Ben Kearney, Geoff Hope
11:30	Physical parameters of peat and other organic soils can be derived from properties described in the field - Ulli Dettmann	Klima- & Umweltschutz durch Hochmoorsanierung in der praktischen Umsetzung unter Beteiligung verschiedener Akteure, Frank Woesthoff et al	Mountain Peatlands: Natural Laboratories for Understanding Climate Change Effects on Carbon Fluxes - Maria E. Sanchez, Cherie J. Westbrook
11:45	Establishment of a German peatland monitoring programme for climate protection - Open land (MoMoK) - Stefan Frank et al.		Observing ENSO-induced Climate Variability and Seasonality of Tropical Peatlands in the Eastern Colombian Lowlands with Remote Sensing - Antje Uhde et al.
12:00-13:20	Lunch		
13:20-14:00	<b>Keynote: Habitat features and biodiversity of peat bogs in Belarus - Gennadi Sushko</b>		
14:00-14:15	Break		
14:15-16:00	Parallelsessions 2		
	1.2 Soil Properties and Biogeochemical Processes in Peatlands – Haojie Liu & Dominik Zak D1.201	4 Stoffliche und energetische Nutzung von Paludi-Biomasse – Raphael Burkhardsmayer D1.202	5 rewetted peatlands – Biodiversity hotspot or novel ecosystems – Theresa Lehmayr D1.301
14:15	Magnitude of percolation in peat profiles controls organic matter transformation in different mire types - Stephan Gratzel et al.	Economic efficiency of paludiculture: An economic analysis of Typha and Phragmites cultivation – Wenke Rannow et al.	The ones left behind: restoration of ecosystem function in tropical peatlands abandons biodiversity Juan C. Benavides, Yeraldin Roa
14:30	Sorption of Pharmaceutically Active Substances in Peat Soils - Eric Mirenga, Sören Thiele-Bruhn	Potential of a mixture of potato pulp and paludiculture biomass as biogas substrate - Christina Hartung, Hauke Heuwinkel	Identifying risk factors for the rare, endangered fen orchid Liparis loeselii in NE Germany - Kai Horbitz, Johannes Metz
14:45	Microbial community development during and after rewetting a coastal peatland - Sara E. Anthony et al.	More than a paper tiger: Paludiculture pilots in paper production and construction sector - Clemens Kleinspehn et al.	Project „Insekten beleben Moore“ – Promoting insect diversity on rewetted cut-over peatland - Amanda Grobe et al.
15:00	Discovering the composition of SOM from drained and rewetted peatlands: insights from molecular and biogeochemical parameters - Sonja Paul et al.	Products made from peat fibres (ProMoFa) - new potential for peatlands and an opportunity for the Bavarian Donaumoos – Stefanie Lang	Of thick shelled river mussels, weatherfishes and co. - protected species in the secondary habitat peatland - Sebastian Rudischer
15:15	Comparative analysis of metal and nutrient uptake in different Sphagnum species: Do we have a champion for water purification? - Gabrielle R. Quadra et al.		Paludiculture can support biodiversity conservation in rewetted fen peatlands - Hanna. R. Martens et al.
15:30	Understanding Human Impacts on Peatland Degradation and Restoration: A Field Experiment Approach- D. Tolunay et al.		Does Sphagnum farming create habitat for bog species? - Lotta Zoch, Amanda Grobe
15:45	The Dynamics Between Groundwater Tables and CO2 Emissions at Åstrup Fen, Denmark: primary results from a study utilizing IoT Networks, Artificial Intelligence, and Aquatic Vegetation investigation - Fenjuan Hu		Sphagnum paludiculture sites as surrogate habitats for bog species of many species groups – results of long-term investigations in NW Germany - Greta Gaudig et al.
16:00-16:30	Break		
16:30-17:00	Quick Talk - Aussteller		
17:00-18:00	Paludimarkt		
19:00	Conference dinner		

D1.401 & D1.402

D1.401 & D1.402

Mensa

D1.401 & D1.402

Foyer + D1.310

Bräustübl

Friday, 20.09.2024 – morning

07:00-08:00	Registration with coffee/tea			
08:00-08:40	Keynote: Could improved water management optimize the greenhouse gas balance of peatland? - Bärbel Tiemeyer			D1.401 & D1.402
08:40-09:00	Break			
09:00-10:15	Parallelsessions 3			
	6.1 Exchange of greenhouse gases - Tim Eickenscheidt D1.201	7.1 Perspektiven für Wälder auf Moorböden - Stefan Müller-Kroehling D1.202	8 Social and economic challenges and impacts of peatland transformation - Harald Grethe D1.301	
09:00	Influence of water management on ghg-balances along a land use intensity gradient in fen peatlands - Daniel Lenz et al.	Moore und Wald, Moorwald, Waldmoore - das Moor vor lauter Bäumen (nicht) sehen - eine Standortbestimmung zum Thema (Einführungsvortrag) - Stefan Müller-Kroehling	What is considered to be meaningful in the communication on peatland rewetting, and how has this changed over time? Findings from a discourse analysis of German newspaper articles since 1975 - Jens Jetzkowitz, Charlotte Schroeder	
09:15	Don't blame the birches – impact of birch encroachment as a consequence of insufficient rewetting on carbon balances and evapotranspiration in a rewetted bog - Carla Welpelo et al.	Development of the bog forests in Southern Germany between 1996 and 2015 - Giselher Kaule	Reviving Peatlands: The Role of Knowledge and Communication - Pia Sommer et al.	
09:30	Paludiculture as a nature-based solution for organic soils - Results of GHG mitigation potentials in fen peatlands - Matthias Drösler et al.	WaMoBiKi - Forested peatlands: contribution to biodiversity and climate protection and sustainable use for their preservation - Dorit Protze & Corinna Schulz et al.	An analysis of land use on peatlands and their economic implications - Johannes Wegmann	
09:45	Impact of macrophyte colonization on GHG emissions (CH4 and CO2) and net ecosystem carbon balance of a rewetted, riverine mire - Danica Antonijević	A toolkit for field identification and ecohydrological interpretation of peatland deposits in Germany - Corinna Schulz et al.	Sozio-Ökonomische Betroffenheit landwirtschaftlicher Betriebsstrukturen durch Moorwiedervernässung in Bayern: Eine Analyse im Kontext des Klimaschutzes - Korbinian Hadersbeck et al.	
10:00	Adaptation of fen peatlands to climate change: rewetting and management shift can reduce greenhouse gas emissions and offset climate warming effects - Carla Bockermann et al.	Einige moorgenetische, hydrologische, hydroklimatische, hydromorphologische und pyrologische Aspekte einer Moor-Wald-Interaktion in (vorwiegend) sauren nährstoffarmen Mooren - Frank Edom	Sustainable Management of Peatland Ecosystem in Malaysia: Enhancing Governance and Strengthening Institutional Capacity - Noradli Mohd Adli Parsada, A. Ainuddin Nuruddin	
10:30-11:00	Break			
11:00-12:30	Parallelsessions 4			
	6.2 Exchange of greenhouse gases - Tim Eickenscheidt D1.201	7.2 Perspektiven für Wälder auf Moorböden - Stefan Müller-Kroehling D1.202	9 Hydrological models for peatlands: processes, scales and applications - Kristian Förster D1.301	10.1 Wet management and strategies in agriculture - Matthias Drösler D1.302
11:00	The relationship between vegetation type and greenhouse gas budget of moist and wet German peatlands Lukas Guth et al.	Biomass and Structure of Peatland Forests - Jonas Sitte	Hydrological impacts of engineered restoration measures in degraded raised cutaway bogs - Sajjad A. Kamal, Laurence W. Gill	The Netherlands Research Programme on Greenhouse gas dynamics in Peatlands and organic soils (NOBV) - Gilles Erkens et al.
11:15	GHG flux trajectories in rewetted peatlands: monitoring proxy indicators by leveraging earth observation data and flux measurements - Aram Kalhori et al.	Baumarteneignung auf organischen Böden - Ergebnisse aus dem Projekt MoorWald - Steffi Dunger et al.	Using process-based modelling on parcel level to calculate nation-wide rewetting effects on peatland hydrology - Simon Jansen et al.	Paludiculture – future wetland generation from degraded peatlands - Christian Fritz. et al.
11:30	Valuation of Peatland Ecosystem Services – VALPEATS - Milan Bergheim et al.	Mire restoration vs. withdrawal of trees - Cornelia Siuda	Mapping Bavarian Peatlands: High-Resolution Water Level Insights Using AI - Sebastian Friedrich	The relevance of drainage ditches as breeding habitat for mosquitoes (Diptera: Culicidae) in Northern Germany - Felix Sauer et al.
11:45	Greenhouse gas emissions and mitigation potential of Bavarian peatlands - Janina Klatt et al.	Was bedeuten primäre und sekundäre Moorwälder für die Zukunft unserer Moore? Alfred Ringler	Modelling ditch blocking impact on field peat water level for emission reporting using MODFLOW – assessing effects of model structure and parameterization - Muhammad M. Ar Rahiem et al.	Rewetting of grassland on bog peatlands in Lower Saxony - Heinrich Höper
12:00	Reporting updated CO2 emission values for Dutch organic soils using a process-based model framework - Gilles Erkens et al.			Grassland management on rewetted fens: results of field experiments in Bavaria - Annette Freibauer et al.
12:00-13:20	Lunch			
	Mensa			

Friday, 20.09.2024 - afternoon

13:20-14:00	<b>Keynote: People make Peatlands - practical projects and political process towards peatland rewetting - Gerald Jurasinski</b>			D1.401 & D1.402
14:00-14:15	Break			
14:15-16:00	Parallelsession 5			
	<b>11 Classification and mapping of organic soils including remote sensing - Ulli Dettmann</b> <b>D1.201</b>	<b>12.1 Peatland conservation, restoration and management policies and programmes - Maria Nuutinen</b> <b>D1.202</b>		<b>10.2 Wet management and strategies in agriculture - Matthias Drösler</b> <b>D1.302</b>
14:15	Cross-scaling exploration of peatland areas - from satellite to microscope - Stephan Costabel et al.	Restoration of peatlands in Ukrainian Polissya within the framework of the project "Promoting sustainable livestock management and ecosystem conservation in Northern Ukraine" - Vasyl Fesyuk et al.		Water Management for Sphagnum and Typha paludiculture - Matthias Krebs et al.
14:30	Mapping and characterising peatland using ground-penetrating radar (GPR) and nuclear magnetic resonance (NMR) - Jan Igel et al.	The Leyte Sab-a Peatland Forest Restoration Initiative Project (2018-2021) - Matutes Heremerose et al.		The establishment phase of paludiculture with sedges – planting a sea of grass - Frank Pannemann et al.
14:45	Using remote sensing to detect spatial patterns and phenology of peatland vegetation - Yuwen Pang	Bright spots in peatland conservation and restoration - Renske Vroom et al.		Putting Paludiculture into Practice – Six Years of large-scale - Typha cultivation in North East Germany - Josephine Neubert et al.
15:00	Potential of radar remote sensing for monitoring the status of peatlands - Katrin Krzepek	Paludiculture Innovation Project – A case study from the UK - Ana I.M. Natálio et al.		Peat formation potential of Typha spp. on a paludiculture pilot site - Meline Brendel et al.
		<b>12.2 Rechtliche Herausforderungen und Anpassungsbedarf - Jose Martines, Anna Kiermeier</b>		
15:15	Indication of water level by vegetation structure types, peat investigation in combination with gauges - Cornelia Siuda	Skizzierung von rechtlichen Lösungsansätzen zur Flächensicherung für die Wiedervernässung von Moorböden - Thorsten Uhl, Bernhard Osterburg		Productivity and biomass quality of cattail (Typha spp.) on a 10 ha paludiculture pilot site in northeast Germany - Nora Köhn et al.
15:30	PEATMAP: A prototype model for the study of peatland and swob distribution, ecology and carbon dynamics in the Iberian Peninsula landscape mosaic) - Miguel Gerales et al.	Noch Moor oder schon Bruchwald? – Herausforderungen beim Erhalt intakter Moore durch den gesetzlichen Biotopschutz - Thilo Tesing		Economic Prospects of Photovoltaic Systems on Rewetted Peatlands - Florian Heinrich et al.
15:45		MoorLandwirtschaft für Klimaschutz Allgäu (MoLaKlim) - Andreas Stauss		Photovoltaics and rewetted peatlands- legal framework and foundation systems - Enna M. Wetjen et al.
16:00-16:30	Break			
16:30-17:30	Poster Session			
17:30-18:00	Closing Session, Ausblick			
	D1.401 & D1.402			