

Tuesday, 26.09.2017: Day Trip Excursions

Vegetation, greenhouse gas balance and biomass use on rewetted peatlands in the Peene River valley

Guides: Dr. Wendelin Wichtmann & Christian Schröder (+ local guides/farmer)

Highlights: Polder Randow-Rustow, boat trip on Peene river, vegetation types and the greenhouse gas emission site type (GEST) approach mown rewetted peatland sites near lake Kummerow, rare wetland species favoured by mowing, the pioneering paludi-biomass heating plant in Malchin.

Land use history, mowing machinery and biomass use for building material at Peene river mouth

Guides: Dr. Franziska Tanneberger & Tobias Dahms (+ local guides/farmers)

Highlights: Harvesting machinery for reed cutting (tracked vehicles, vehicles with balloon tyres), harvesting sites for thatch, drained peatland used as grassland, large formerly drained peatland flooded and abandoned after dike break, cormorant colony and white-tailed sea eagles, tourist house insulated with cattail and thatched with reed, boat trip, light tractors for mowing wet peatlands, weaving loom for the production of mats from reed.

Peatland rewetting, land use and birds in Lower Peene river valley

Guides: Dr. Nina Seifert & Dr. Cosima Tegetmeyer (+ local guides/farmers)

Highlights: Nature park visitor centre in Stolpe, land use history, implementation of a large-scale peatland restoration project and designation of new nature reserves in 20,000 ha, breeding and migrating birds on flooded former polders near Anklam, organic farming and local marketing along the river valley, large-scale compensation project on peatland restoration and low-intensity grazing with horses and cattle, motor mower with ultra-wide cutter bars used for conservation management.

Peatland research on mown and grazed rewetted peatland in Recknitz and Trebel river valleys and on Darss peninsula

Guides: Anke Nordt & Andreas Haberl (+ local guides/farmers)

Highlights: Study sites of the major research project on matter dynamics in rewetted peatlands of Greifswald and Rostock universities (funded under the regional excellence initiative), sites rewetted c. 15 years ago in a LIFE project, sites managed and monitored for biodiversity conservation, site-adapted mowing equipment, grazing sites with water buffalos on Darss peninsula, large flocks of migrating cranes.

Paludiculture on rewetted bogs near Oldenburg

Guides: Matthias Krebs (+ local guides/farmers)

Highlights: Sphagnum farming site, sundew cultivation and use opportunities for medicine or food, land use opportunities on bog grassland, peat extraction site, horticultural trials.

Paludiculture plants and salt meadows near Greifswald (half day trip)

Guides: Susanne Abel, Claudia Oehmke and John Couwenberg

Highlights: Paludiculture plants in the Botanical garden of Greifswald University; excursion to salt meadows "Karrendorfer Wiesen", study site of the large research project on matter dynamics in rewetted peatlands of Greifswald and Rostock universities, rewetted coastal flood peatland

Wednesday, 27.09.2017: International Conference Day 1

08:00 Registration		
09:00 Welcome		
Key Notes		
09:20	Hans Joosten	The contribution of paludiculture to climate change mitigation and adaptation
09:50	Faizal Parish	Climate-smart peatland use to improve livelihoods
10:20 Coffee break		
Session 1a: Case studies		Session 2a: Biomass: production and utilisation
10:50	Hesti Tata	Lesson Learned from Paludiculture Practices in Indonesia
11:10	Wim Giesen	The wavering path to paludiculture in Indonesia
11:30	Ülo Kask	The review of the results of performed EU projects on reed and meadow grasses in Estonia and Finland
11:50	Niels Thevs	Biomass and pathways for utilisation of reed in the Ili Delta, Kazakhstan
12:10	Lorna Parker	The great fen - a lowland peatland restoration
12:30 Lunch and technics exhibition		
Session 3a: Greenhouse gas emissions		Session 4a: Economy and society
14:30	John Couwenberg	Vegetation as a proxy for GHG emissions from peatlands: an update of the GEST-list
14:50	Anna Schlattmann	Development and trial of an evaluation tool for the identification of the spatial potentials of paludicultures – an approach for the reduction of agricultural greenhouse gas emissions
15:10	Alexandra Barthelmes	The contribution of drained organic soils to the globally emitted greenhouse gases and emission hotspots
15:30	Florence Renou-Wilson	Rewetted peatlands with benefits: dispatch from Ireland's monitoring network
15:50 Coffee break and presentation of posters		
Session 3b: Greenhouse gas emissions		Session 4b: Economy and society
16:30	Anke Günther	Paludiculture and greenhouse gases: case studies from three sites in northern Germany
16:50	Poul Erik Laerke	Greenhouse gas balance of paludiculture for biogas production
17:10	Christian Fritz	Cutting-of or salting-down? Promising management tools to improve the carbon footprint of paludicultures
17:30 Summary and feedback		
20:00 Conference Dinner		

Thursday, 28.09.2017: International Conference Day 2

08:00 Registration		
Key Notes		
09:00	Ab Grootjans	Peatland restoration and paludiculture for clean and safe water
Session 6a: Quality and quantity of water and nutrients		Session 2b: Biomass: production and utilisation
09:40	Jeroen Geurts	Nutrient recycling in rewetted peatlands used for paludiculture
10:00	Renske Vroom	The influence of nitrogen input on biomass yield and nutrient sequestration in rewetted peatlands
10:20	Brian Sorrell	Nutrient preferences and limitations of paludicrops: insights from the photosynthesis-nitrogen relationship
10:40	Dominik Zak	Managing nutrient and carbon release from inundated peatlands
11:00 Coffee break and presentation of posters		
Session 6b: Quality and quantity of water and nutrients		Session 2c: Biomass: production and utilisation
11:40	Alfons Smolders	Azolla farming on rewetted peat soils
12:00	Sandrine Hugron	Sphagnum farming initiatives in Canada: an overview
12:20	Kristina Brust	The water balance of a Sphagnum farming site in Northwest Germany
12:40	Ralph Temmink	Sphagnum farming in a eutrophic world: the importance of optimal nutrient stoichiometry
13:00 Lunch		
Session 1b: Case studies		Session 7: Legal and policy framework: incentives & constraints
14:30	Paul Goriup	Reed-based renewable energy development in the Danube and Dniester deltas of Ukraine, Moldova and Romania
14:50	Vittoria Giannini	What we have learnt from five years of paludiculture in a mediterranean peatland (Tuscany, IT)
15:10	W. Daniel Svedarsky	Sustainable watersheds to renewable energy: <i>Typha</i> harvesting for nutrient management, wetland restoration, and sustainable low carbon
15:30	Anke Nordt	How to apply best practise of wet peatland use for common practise ? Learning from existing approaches in Germany
15:50 Coffee break		
16:30 Discussion		
18:00 Summary of discussion and final word		
20:00 Networking evening		