



RRR2021 Conference Programme Day 1 (9th of March)

Time (CET)	STAGE A		
08:30-08:45	Login & Warm Up		
08:45-08:55	Opening & Organisation (Greifswald Mire Centre)		
08:55-09:05	Welcome by Christian Holzleitner (European Commission, DG Clima)		
09:05-10:00	Keynote Hans Joosten (University of Greifswald, Germany) Keynote Bärbel Tiemeyer (Thünen-Institute, Germany)		
10:00-10:15	Break		
	STAGE A	STAGE B	STAGE C
10:15-11:15	Session 1.1 Biomass to product (Material use) <i>Anke Nordt</i> Biomass quality of paludiculture plants (Cattail and Common reed) for various utilisation options Nora Köhn	Session 1.2 Greenhouse gas emissions and other climate effects <i>John Couwenberg</i> Promising pathways to reduce GHG emissions by methane oxidation in rewetted peatlands including paludiculture lands Christian Fritz	Session 1.3a Sphagnum farming <i>Matthias Krebs</i> Paludiculture on former bog grassland: sustainable biomass production and benefits of a Sphagnum farming site in NW Germany Greta Gaudig
	Common reed for thatching in Northern Germany Sabine Wichmann	Chimneys and blankets: species-dependent methane emission pathways in a rewetted dutch peatland Renske Vroom	Establishing a landscape-scale carbon farm on former drained, agricultural pasture. Mike Longden
	Production of thatching materials Ruud Conijn	Persistently high CH ₄ emissions 10 years after rewetting: The necessity for long-term observations when measuring GHG emissions of transitional systems Danica Antonijevic	Session 1.3b Sphagnum vegetation restoration Restoring ecosystem functions and reversing land subsidence by growing <i>Sphagnum</i> on highly degraded eutrophic peat soils - a success story from the Netherlands Bas van de Riet
	Wood foam from paludiculture as a novel insulation material Steffen Sydow	Effects of saltwater intrusion into freshwater rewetted coastal fen on methane cycling microbial community Cordula Gutekunst	OptiMOOR – optimizing management strategies for peat bog restoration after intensive agricultural use Gerald Jurasinski
11:15-11:30	Break		



	STAGE A	STAGE B	STAGE C
11:30-12:30	Session 2.1 Biomass to product (Energy) <i>Paul Goriup</i>	Session 2.2 Greenhouse gas emissions and other climate effects <i>Christian Fritz</i>	Session 2.3a <i>Sphagnum</i> vegetation restoration <i>Greta Gaudig</i>
	The optimal harvest date of <i>Typha latifolia</i> and <i>Phalaris arundinacea</i> as biogas substrates Christina Hartung	Mitigation potential of paludiculture for five different Danish peatland sites under controlled water tables – a mesocosm study Claudia Nielsen	Bog Growth- restoration of <i>Sphagnum</i> vegetation after peat extraction Jan Köbbing
	Anaerobic digestion of conservation biomass - a case study from NE Poland Piotr Banaszuk	A national research programme on greenhouse gas emissions and land subsidence from lowland peat in the Netherlands Gilles Erkens	Early stages of revegetation of a terminated extracted peatland after two years of rewetting Eva Weber
	Fuel quality and combustion behaviour of pure and kaolin additivated pellets from fen paludicultures in a small-scale biomass boiler Daniel Kuptz	Carbon sequestration potential of a former cutaway Irish blanket Peatland located on Ireland's Western Coast Amey Tilak	Rewetting of a transition mire by sprinkling with demineralised water Bernhard Hasch
	Energetic utilization of biomass from rewetted peatlands at a 800 kW heating plant for community heating in Malchin Mirko Barz Poster*: Poster 2.1.A Tobias Dahms	Poster*: Poster 2.2.A Philipp Köwitsch	Session 2.3b <i>Sphagnum</i> farming & <i>Drosera</i> farming Posters*: Poster 2.3b.A Matthias Krebs Poster 2.3b.B Jens-Uwe Holthuis Poster 2.3b.C Laura Panitz Poster 2.3b.D Balázs Baranyai
12:30-13:30	Break		
13:30-14:15	STAGE A: Virtual excursions (plenary session) <i>Sabine Wichmann</i>		
	1 Sphagnum farming on 17 ha in the peatland Hankhauser Moor, NW Germany Greta Gaudig 2 <i>Sphagnum</i> farm Barver Jens-Uwe Holthuis 3 Sphagnum farming re-thought Neal Wright 4 Peat bog rewetting research sites in Northwestern Germany Gerald Jurasinski		
14:15-14:30	Break		



	STAGE A	STAGE B	STAGE C
14:30-15:30	Session 3.1 Biomass to product <i>Tobias Dahms</i>	Session 3.2 Greenhouse gas emissions and other climate effects <i>Bärbel Tiemeyer</i>	Session 3.3 Biodiversity at ecosystem level <i>Nerjius Zableckis</i>
	Cranberries on peatland in the Netherlands Bart Crouwers	Long-term observation of greenhouse gases of a Sphagnum farming area on former bog grassland in North-western Germany Caroline Daun	Sphagnum farming in north-west Germany: is it offering a secondary habitat for bog-typical dragonfly species? Daniel Brötzmann
	Reed canary grass as a potential agent for phytoremediation and phytomining of strategic elements Oliver Wiche	Greenhouse gas exchange of a Sphagnum paludiculture on a former peat extraction site in the late stages of the rotation cycle Laura Panitz	Can paludiculture promote fen biodiversity? A literature-based review with focus on Europe Felix Närmann
	Making use of peatland biomass - from theory to charcoal Marcel Welle	Greenhouse gas benefits of Sphagnum farming using micro-propagated material in the UK Anna Keightley	What does paludiculture contribute to arthropod diversity? Gert-Jan van Duinen
	Posters*: Poster 3.1.A Christina Hartung Poster 3.1.B Carsten Lühr Poster 3.1.C Anke Nordt	Posters*: Poster 3.2.A Christian Fritz Poster 3.2.B Hanna Kekkonen	Posters*: Poster 3.3.A Jürgen Müller Poster 3.3.B Monique Nerger Poster 3.3.C Teresa Rojas Lara
15:30-15:45	Break		
15:45-16:45	Session 4.1 Harvesting techniques <i>Wendelin Wichtmann</i>	Session 4.2a Biodiversity within species (Genetics of Reed) <i>Gerald Jurasinski</i>	Session 4.3 <i>Sphagnum</i> propagules <i>Matthias Krebs</i>
	Introduction of types of and challenges for machinery for paludiculture biomass harvest on wet peatlands Jan Pottgießer	Population genetic structure of common reed (<i>Phragmites australis</i>) Kristina Kuprina	Selection of highly productive <i>Sphagnum</i> species and provenances in Europe to maximize the yield in Sphagnum farming Mira Kohl
	Special machines for working in wet areas with low ground pressure, development of new machine types for working on mires and wetlands Holger Wolter	How can the population genetic diversity of common reed, <i>Phragmites australis</i> , change over 24 years? Anna Rudyk	Axenic in-vitro cultivation of 19 peat-moss (<i>Sphagnum</i> l.) species as a resource for basic biology, biotechnology and paludiculture Melanie Heck
	Cattail (<i>Typha</i>) harvesting technic development for Substrate and more Robert Wellink	Poster*: Poster 4.3.A Paul Muto	Sphagnum farming using micro-propagated <i>Sphagnum</i> and simulated rain irrigation to significantly improve production of a growing medium Neal Wright
		Session 4.2b Peatland properties Posters*: Poster 4.2b.A Anna Kühnel Poster 4.2b.B Kerstin Fuhrmann Poster 4.2b.C Kilian Walz	Poster*: Poster 4.3.A Mira Kohl
16:45-17:00	Break		
17:00-18:00	Networking (Open space A)	Networking (Open space B)	Networking (Open space C)
20:00-22:00	Evening Programme		
	SLOW Session: Paludiculture & Art (via ZOOM)		



*Posters day 1 (9th of March)

Poster 2.1.A Biomass to product (Energy)	A case for solid fuels. Comparing costs, energy consumption and greenhouse gas emissions of different fuels for the local heating plant in Malchin. Tobias Dahms
Poster 2.2.A GHG emissions and other climate effects	Effects of topsoil removal on greenhouse gas exchange and water quality of fen paludicultures in North-Western Germany Philipp Köwitsch
Poster 2.3b.A Sphagnum farming & Drosera farming	Optimising Sphagnum farming in water management, climate impact, biodiversity & product development – the new joint project OptiMOOS Matthias Krebs
Poster 2.3b.B Sphagnum farming & Drosera farming	<i>Sphagnum</i> farm Barver – creating a new perspective for peatland ecosystems Jens-Uwe Holthuis
Poster 2.3b.C Sphagnum farming & Drosera farming	Optimizing the management of Sphagnum paludicultures under difficult conditions – interaction of climate change, nutrient depositions, peat properties and vascular plant invasion Laura Panitz
Poster 2.3b.D Sphagnum farming & Drosera farming	Sundew cultivation (<i>Drosera rotundifolia</i>) on <i>Sphagnum</i> in paludiculture - the great potential of a tiny medicinal plant Balázs Baranyai
Poster 3.1.A Biomass to product	Suitability of fen plants as growing media constituent in terms of chloride content Christina Hartung
Poster 3.1.B Biomass to product	Fenland biomass for a climate-friendly future - Development of value chains Carsten Lühr
Poster 3.1.C Biomass to product	The Paludi-tiny house Anke Nordt
Poster 3.2.A GHG emissions and other climate effects	The potential of automated transparent-chambers to detect 'cold spots' and 'hot moments' of carbon fluxes in periodically wet and rewetted peatlands Christian Fritz
Poster 3.2.B GHG emissions and other climate effects	Greenhouse gas emissions from energy willow, nature conservation field and grass on a cultivated peat soil Hanna Kekkonen
Poster 3.3.A Biodiversity at ecosystem level	Implementation of a water buffalo grazing system on a coastal wet grassland site interspersed with reed beds Jürgen Müller
Poster 3.3.B Biodiversity at ecosystem level	PaluDivers: Development and accompaniment of the testing of nature conservation minimum standards for the conservation and promotion of biodiversity in future paludicultures on agricultural land Monique Nerger
Poster 3.3.C Biodiversity at ecosystem level	Linking up Peatland Restoration with Community Empowerment and Orangutan Conservation Activities in Central Kalimantan, Indonesia Teresa Rojas Lara
Poster 4.2a.A Biodiversity within species (Genetics of Reed)	Commercialising vegetative propagation systems for perennial grasses for paludiculture production using CEEDS™ technology. Paul Muto
Poster 4.2b.A Peatland properties	Peat soil in Bavaria - implications for agricultural and climate-change strategies from a century of archived peat soil data Anna Kühnel
Poster 4.2b.B Peatland properties	Mo(o)re balance – About losses of high elevation and water table dynamics in a water pumped catchment area Kerstin Fuhrmann



Poster 4.2b.C Peatland properties	Comparative studies on peatland properties along a land use gradient in Ireland Kilian Walz
Poster 4.3.A <i>Sphagnum</i> propagules	Selecting highly productive <i>Sphagnum</i> (peatmoss) provenances and their mass-propagation – results of the joint <i>Sphagnum</i> farming research project ‚mooszucht‘ Anja Prager & Mira Kohl



RRR2021 Conference Programme Day 2 (10th of March)

Time (CET)	STAGE A		
08:30-09:00	Login & Warm Up		
09:00-09:10	Welcome & Organisation (Greifswald Mire Centre)		
09:10-10:00	Keynote Zélie Peppiette (European Commission, Belgium) Keynote Kristiina Regina (Natural Resources Institute Finland (Luke), Finland)		
10:00-10:15	Break		
	STAGE A	STAGE B	STAGE C
10:15-11:15	Session 5.1 Worldwide developments of paludiculture <i>Hans Joosten</i> Paludiculture worldwide: is there a need to differentiate the concept? Wendelin Wichtmann Paludiculture – first results from a global survey of practical paludiculture initiatives Rafael Ziegler	Session 5.2 Yield, water and nutrient dynamics <i>Jürgen Kreyling</i> High water tables promote fast biomass production and long-term nutrient removal in Sphagnum farming Renske Vroom Regulating alkalinity of water is a matter of life and death for Sphagnum farming Adam Koks How much can <i>Carex</i> sp. contribute to peat formation and to counteract eutrophication in fen peatlands under different nutrient levels? Tjorven Hinzke Effects of harvest and fertilization frequency on protein yield and extractability from flood-tolerant perennial grasses cultivated on a fen peatland Claudia Nielsen	Session 5.3 Regional and national transition of peatland use & socio-economics <i>Jan Peters</i> Towards net zero CO ₂ in 2050: An emission reduction pathway for organic soils in Germany Franziska Tanneberger Will Dutch water management strategies result in a transition of peatland use? Henk van Hardeveld The WaterWorks project Jack Clough GrasGoed (GrassGood) – Wetlands as part of a circular economy Katrien Wijns
11:15-11:30	Break		



	STAGE A	STAGE B	STAGE C
11:30-12:30	<p>Session 6.1 Finance options for livelihoods from wet peatlands (co-organised with FAO, UNEP, IUCN, WWF) <i>Maria Nuutinen</i></p> <p>Results of the peatland management sessions, case and global consultations Maria Nuutinen & Laura Villegas</p> <p>Sustainable Land Use Finance – inspiring investment in Peatlands Dianna Kopansky</p> <p>Landscape finance: emerging models for financing peatland restoration at scale Paul Chatterton</p> <p>Investing in peatlands – from bankers to bogs Clifton Bain, Emma Goodyer & Renée Kerkvliet Hermans</p>	<p>Session 6.2 Yield, water and nutrient dynamics <i>Jürgen Kreyling</i></p> <p>Plant selection for paludiculture: water and nutrient level optima differ among <i>Typha</i> species Kerstin Haldan</p> <p>Biomass utilization avenues and nutrient removal potential of Paludiculture crops <i>Phragmites</i> and <i>Typha</i> depend on harvesting season Christian Fritz</p> <p>The impact of wetland restoration on water retention in the catchment scale in the Neman basin – costs and benefits Marta Stachowicz</p> <p>Posters**: Poster 6.2.A Marina Abramchuk Poster 6.2.B Doreen Koltermann</p>	<p>Session 6.3 Regional and national transition of peatland use & socio-economics <i>Volker Beckmann</i></p> <p>Abatement costs of climate friendly peatland management options for agriculture: case study results for two German peatland regions Christoph Buschmann</p> <p>Cost-effectiveness of measures to mitigate greenhouse gas emissions from drained peatlands Ralph Temmink</p> <p>Economic viability of Sphagnum farming on former bog grassland Sabine Wichmann</p> <p>Posters**: Poster 6.3.A Telse Vogel Poster 6.3.B Franz Wenzl Poster 6.3.C Bas Spanjers</p>
12:30-13:30	Break		
13:30-14:15	STAGE A: Virtual excursions (plenary session) <i>Anke Nordt</i>		
	<ol style="list-style-type: none"> Field-scale <i>Typha</i> paludiculture in NE Germany - Set-up and 1st year's experiences Sabine Wichmann Paludi-Tinyhouse Anke Nordt Paludiculture-biomass heating-plant at the Kummerower See – a virtual field trip Max Wenzel Cattail (<i>Typha</i>), a multitalent for a rewetted landscape Aldert van Weeren 		
14:15-14:30	Break		



	STAGE A	STAGE B	STAGE C
14:30-15:30	Session 7.1 Case studies (South-east Asia) <i>Faizal Parish</i>	Session 7.2 Framework conditions and policy support <i>Stefan Ewert</i>	Session 7.3 Regional and national transition of peatland use & socio-economics <i>Silvia Lotman</i>
	Addressing fragile peat ecosystems for the livelihoods of rural communities: lessons from Indonesia Niken Sakuntaladewi	Instruments for climate-friendly peatland use: Peatland protection in the EU-Common Agricultural Policy Sophie Hirschelmann	Potentials and capacities of climate change mitigation by peatland rewetting and wet agriculture on peatlands (paludiculture) in the Baltic countries Andreas Haberl
	<i>Calophyllum</i> spp.: An endemic species for restoring tropical peatlands in Indonesia Mamat Rahmat	Incentive based policy instruments guiding towards sustainable use of peatlands in EU Cheng Chen	Challenges for paludiculture development in Estonia Jüri-Ott Salm
	Paludiculture practices by smallholder farmers in southern Sumatra of Indonesia: opportunities and challenges Sri Lestari	Incentives for paludicultures to achieve the climate target 2030 and 2050 Achim Schäfer	Potentials for paludicultures on rewetted peatlands in Latvia Ilze Ozola
	Nature-based solution: A case study on community-based activities to safeguard peatlands in Pahang, Malaysia Lew Sien Yan	Posters**: Poster 7.2.A Monika Hohlbein Poster 7.2.B Wendelin Wichtmann	First steps of paludiculture as sustainable use of rewetted peatlands in Lithuania Nerijus Zableckis
15:30-15:45	Break		
15:45-16:15	STAGE A: Closing ceremony (plenary session)		
16:15-16:30	Break		
16:30-18:00	Workshop A Global network for paludiculture – needs & options for exchange Rafael Ziegler & Susanne Abel	Workshop B Photography Workshop: gifts from nature's peatlands Tina Claffey	Networking (Open space D)
20:00-22:00	Evening Programm Literature Evening Hans Joosten (via ZOOM)		

**Posters day 2 (10th of March)

Poster 5.1.A Worldwide developments of paludiculture	Peatland rehabilitation through multi-stakeholder partnership: Creating better livelihood for community in Malaysia Faizal Parish
Poster 5.1.B Worldwide developments of paludiculture	Peatland management based on local wisdom in Giam Siak Kecil Landscape in Riau Province, Indonesia Mulyadi
Poster 6.2.A Yield, water and nutrient dynamics	DESIRE: Development of Sustainable peatland management by restoration and paludiculture for nutrient retention and other ecosystem services in the Neman river catchment. Marina Abramchuk
Poster 6.2.B Yield, water and nutrient dynamics	Growth development of selected paludicultures in mesocosms Doreen Koltermann
Poster 6.3.A Regional and national transition of peatland use & socio-economics	Efficiency of cattail establishment on an eight-hectare fen sites in terms of working time and manpower requirements Telse Vogel
Poster 6.3.B Regional and national transition of peatland use & socio-economics	Implementation of single-farm optimized wet grassland management on organic soils Franz Wenzl
Poster 6.3.C Regional and national transition of peatland use & socio-economics	The climate friendly management of the agricultural peatlands in Brandenburg Bas Spanjers
Poster 7.2.A Framework conditions and policy support	Vorpommern - Ready to rewet? Monika Hohlbein
Poster 7.2.B Framework conditions and policy support	Certification of products from paludiculture: project design, potential, open questions, challenges Wendelin Wichtmann



The RRR2021 is organised by the partners in the Greifswald Mire Centre



Session 6.1 Finance options for livelihoods from wet peatlands is co-organised with



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