The SWAMPS team invites your

Project coordination:

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Practical information

Conference languages: Presentations: English

Discussion and poster: German and English

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Conference website: https://www.swampsprojekt.de/veroeffentlichungen/news-undevents



Conference venue

Carl von Ossietzky University Oldenburg

Bibliothekssaal Uhlhornsweg 49-55 26129 Oldenburg / Germany https://uol.de/lageplan/?wo=Bibliothek



Conference

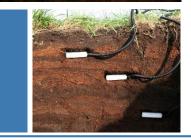
Water management in organic soils under agriculture

Effects on greenhouse gas mitigation, nutrient retention, biodiversity and agronomy

19th and 20th February 2019 in Oldenburg (Germany)







Topics and Programme

At our conference "Water management in organic soils under agriculture" we aim to exchange experience and results on the following topics:

- Water management in farmed organic soils: How high can we go?
- Effects on greenhouse gas emissions: How low can we go?
- Effects on nutrient dynamics and biodiversity: Synergies or trade-offs?
- Biomass quality and economy: Does it pay off?

Tuesday, 19th February 2019

- 12:00 Registration and coffee
- 13:00 Welcome and introduction Kristine Jung (Centre for Grassland), Heinrich Höper (LBEG), Luise Giani (University of Oldenburg)

Water management (I)

- 13:30 Subsurface irrigation and peatland water levels Merten Minke (LBEG, DE)
- 13:50 Controlled drainage on a cultivated fen *Merja Myllis (LUKE, FI)*
- 14:10 Water management for climate smart agriculture on peatlands using submerged drains *Heinrich Höper (LBEG, DE)*
- 14:30 Sphagnum farming on former bog grassland in NW-Germany: it must be wet *Matthias Krebs (University of Greifswald, DE)*
- 15:00 Coffee break & poster session

Programme

Tuesday, 19th February 2019

Water management (II)

- 17:15 Introducing pump regulated submerged drains to further diminish soil subsidence and CO₂ emission *Idse Hoving (Wageningen University & Research, NL)*
- 17:35 Effective soil subsidence reduction of peatlands by pressurized drainage in the polder Spengen, The Netherlands Jantine Hoekstra (Hoogheemraadschap De Stichtse Rijnlanden, NL)
- 18:00 Close of oral session
- 19:30 Conference dinner

Wednesday, 20th February 2019

Effects on greenhouse gas exchange

- 08:45 Monitoring of subsidence of agricultural peatlands and impact of submerged drains in The Netherlands Jan van den Akker (Wageningen University & Research, NL)
- 09:05 Effects of extensive land use in the "Osterfeiner Moor" on peat and gyttja soils as well as on climate Joachim Blankenburg (Geological Service Bremen, DE)
- 09:25 Advantages and cumulative effects of submerged drains and sub-surface irrigation in Dutch drained peat soils, a comparison study *Christian Fritz (Radboud University, NL)*

Programme

Wednesday, 20th February 2019

- 09:45 Submerged drains and sub-surface irrigation in Dutch drained peat soils: effects of drains on CO₂ emissions in wet and dry periods Stefan Weideveld (Radboud University, NL)
- 10:05 Effects of water management and grassland renewal on greenhouse gas emissions from intensively used grasslands on peat soils Sebastian Heller (Thünen Institute, DE)
- 10:25 Coffee break

Effects on greenhouse gas exchange, biodiversity & nutrient retention

- 10:55 Estimation of GHG emission reductions based on vegetation changes after rewetting in Drentsche Aa brook valley *Liu Weier (University of Groningen, NL)*
- 11:15 Requirements of successful meadow bird conservation concerning water management and grassland utilization *Heinrich Belting (NLWKN, DE)*
- 11:35 Biodiversity of bog grassland the ecological and conservation point of view *Rainer Buchwald (University of Oldenburg)*
- 11:55 Effects of different water management regimes on the dynamics of phosphate and mineral nitrogen in the ditch systems of a fen and a bog soil under intensive grassland Sarah Landscheidt (University of Oldenburg)
- 12:30 Lunch break (university canteen)
- 13:30 Excursion to the field site "Ipweger Moor"
- 16:30 Return to Oldenburg