[Programme]

Meeting Organizer Copernicus Office

PICO BG2.30/SSS13.11

BG2.30/SSS13.11
Environment-friendly management of organic soils and paludiculture - from innovation to implementation (co-organized) PICO session
Convener: Hanna Silvennoinen
Co-Conveners: Jens Leifeld, Kristiina Regina, Bärbel Tiemeyer, Jagadeesh Yeluripati
Session details
PICO / Mon, 09 Apr, 08:30–10:00 / PICO spot 3

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Monday, 09 Apr 2018
PICO spot 3

Paludiculture

08:30–08:40 PICO3.1 EGU2018-18555
Putting paludiculture into practice - How can we avoid land use conflicts? | **Highlight**
Franziska Tanneberger, Christian Schröder, Monika Hohlbein, Sabine Wichmann, Wendelin Wichtmann, and Thorsten Permien

08:40–08:42 PICO3.2 EGU2018-8121
MOORuse Paludiculture on fen peatlands in Bavaria - Establishment, climatic impact & environmental effects, utilization options and economic viability
Tim Eickenscheidt, Carla Bockermann, and Matthias Drösler

08:42–08:44 PICO3.3 EGU2018-19146
WETSCAPES –from understanding to sustainable use of peatlands
Franziska Schmacka, *Franziska Tanneberger*, Bernd Lennartz, Peter Leinweber, Gerald Jurasinski, Ralf Bill, Hans Joosten, Tim Urich, Jürgen Kreyling, Martin Wilmking, and Nicole Wrage-Mönnig

08:44–08:46 PICO3.4 EGU2018-19229
Economic and ecological assessment of solid fuels from rewetted peatlands
Tobias Dahms, Wendelin Wichtmann, Claudia Oehmke, and *Franziska Tanneberger*

08:46–08:48 PICO3.5 EGU2018-19161
Combustibility and nutrient export potential of biomass from rewetted fens in North Eastern Germany
Claudia Oehmke, Tobias Dahms, Wendelin Wichtmann, and *Franziska Tanneberger*

08:48–08:50 PICO3.6 EGU2018-19183
REPEAT: REstoration and prognosis of PEAT formation in fens - linking diversity in plant functional traits to soil biological and biogeochemical processes (2017-2019)
Wiktor Kotowski, *Franziska Tanneberger*, Rudy van Diggelen, Hanna Silvennoinen, Jenica Hanganu, Camiel Aggenbach, Jürgen Kreyling, Mateusz Wilk, Bente Føreid, Izabela Jaszczuk, Ewa Jabłońska, Elke Seeber, Erik Verbruggen, Agata Klimkowska, Hans Joosten, Łukasz Kozub, Eugeniusz Pronin, Dierk Michaelis, Guixiang Li, and Willem-Jan Emsens

08:50–08:52 PICO3.7 EGU2018-19272
Germination and early growth patterns of two Typha species – the first year of establishment
Max Wenzel, Nora Köhn, Claudia Oehmke, and *Franziska Tanneberger*

08:52–08:54 PICO3.8 EGU2018-4933 | OSPP: volunteer to judge
Sphagnum farming initiatives in Canada: an overview | **Highlight**
Mélina Guêné Nanchen, Sandrine Hugron, Catherine Brown, Maria Strack, Jonathan Price, and Line Rochefort

08:54–08:56 PICO3.9 EGU2018-19775
To mix or not to mix – benefits of introducing diverse Sphagnum mixtures in bog restoration
Peter Raabe, Norbert Hölzel, Till Kleinebecker, and Klaus-Holger Knorr

Other mitigation measures

08:56–08:58 PICO3.10 EGU2018-8343
Effects of grassland renewal and different water management regimes on greenhouse gas emissions from an intensive grassland on fen peat
Melanie Bräuer, Peter Gatersleben, Ullrich Dettmann, and Bärbel Tiemeyer

08:58–09:00 PICO3.11 EGU2018-13123
Novel peatland management practices - key for sustainable bioeconomy and climate change mitigation
Raisa Mäkipää, Mikko Peltoniemi, Heikki Lehtonen, Aleksi Lehtonen, Regina Kristiina, and Raija Laiho

09:00–09:02 PICO3.12 EGU2018-7453
The effect of wood ash and gypsum on carbon dioxide and nitrous oxide production rates in agricultural soils
Marja Maljanen, Juho Nykänen, and Maarit Liimatainen

09:02–09:04 PICO3.13 EGU2018-19790
Topsoil removal as a method of fen restoration that helps to prevent elevated methane emissions and surface water eutrophication
Lukasz Kozub, Tomasz Wyszomirski, and Wiktor Kotowski

End use of cut-away peatlands

09:04–09:06 EGU2018-6310
PICO3.14 **Reed canary grass (Phalaris arundinacea) cultivation as bioenergy crop on an abandoned peat extraction area with low soil pH** | **Highlight**
Martin Maddison, Järvi Järveoja, Reili Kuller, Mart Muhel, Ivika Ostonen, Heiko Teder, Alar Teemusk, Raili Torga, Birgit Viru, and Ülo Mander

09:06–09:08 EGU2018-14743 | OSPP: volunteer to judge
PICO3.15 **CO2 and CH4 fluxes from abandoned peat extraction areas: the role of berry cultivation**
Ainārs Lupiķis, Kaido Soosaar, Ülo Mander, Alar Teemusk, and Andis Lazdiņš

Interactive presentations at PICO screens