

# Nordic-Baltic Workshop on Greenhouse Gas Exchanges and Carbon Cycling in Managed Peatlands

## PROGRAM



### MONDAY, JUNE 12

9:30	Departure for shuttle from Hotel to Svartberget Field Station	
<i>Welcome &amp; Introduction</i>		
	Speaker	Title
10:00-10:15	Charlotta Erefur	Introduction to the Svartberget Field Station
10:15-10:30	Hjalmar Laudon	The Trollberget Experimental Area for integrated carbon, water quality and ecological effects of peatland restoration & ditch cleaning
<i>Session Rewetting</i>		
10:30-11:15 Keynote talk	Kari Minkkinen	Is it possible to manage peatland forests in a climate-sustainable way?
11:15-11:30	Gerald Jurasinski	The power of long-term research for increasing our understanding of rewetted peatlands
11:30-11:45	Gopal Adhikari	Methane and nitrous oxide emissions from rewetted forested peatlands
11:45-12:00	Marcus Cheuk Hei Tong	Evaluating the GHG balances of drained and restored peatland forests in boreal Sweden
12:00-13:00	Lunch at the Field Station	
<i>Session Hydrology &amp; Aquatic C</i>		
13:00-13:45 Keynote talk	Hannu Marttila	Hydrological processes in Northern managed peatlands and relation to biogeochemical processes
13:45-14:00	Dominik Zak	Unlocked organic matter in rewetted peatlands: a comprehensive overview on concentrations, composition, and discharge patterns

14:00-14:15	Marcus Wallin	Changes in aquatic carbon following wetland rewetting – findings from a boreal wetland in northern Sweden
14:15-14:30	Lassi Päckilä	Long-term changes in the pore and runoff water quality in restored
14:30-15:00	Coffee break	
15:00-18:00	Excursion to the Trollberget Rewetting site	
18:30	Dinner at Hotel in Vindeln	

## TUESDAY, JUNE 13

8:00	Departure for shuttle from Hotel to Svartberget Field Station	
<i>Session Drained Peatland Forestry</i>		
8:30-9:15 Keynote talk	Irena Creed	Role of Practitioners in the Science-Policy-Practice Process of Wetland Restoration
9:15-9:30	Päivi Mäkiranta	Impacts of partial harvest and clearcut on methane and nitrous oxide emissions of forestry-drained boreal peatlands
9:30-9:45	Aldis Butlers	Greenhouse Gas (CO <sub>2</sub> , CH <sub>4</sub> , N <sub>2</sub> O) Emissions of Undrained and Drained Nutrient-Rich Organic Forest Soil
9:45-10:15	Coffee break	
10:15-10:30	Helena Rautakoski	CO <sub>2</sub> fluxes and their controls in drained nutrient-rich peatland forest: Does selective harvesting help to reduce soil emissions?
10:30-10:45	Muhammad Kamil Sardar Ali	Greenhouse gas emissions from drained nutrient-rich organic forest soils in Estonia
10:45-11:00	Aino Korrensalo	Peat respiration in drained peatland forests under varying tree harvest regimes
11:00-12:00	<i>Poster session 1</i>	
12:00-12:30	Bus transport to Flakastugan	
12:30-13:30	Lunch at Flakastugan	
13:30-15:00	Visit Degerö mire	
15:00-15:15	Bus transport to Hälsingfors drained peatland forest (DPF)	
15:15-17:30	Visit Hälsingfors DPF	
17:30-18:00	Bus transport back to Field Station	
18:30	Forest Dinner at Field Station	
22:00-23:00	Shuttle from Field Station to Hotel in Vindeln	

## WEDNESDAY, JUNE 14

8:00	Departure for shuttle from Hotel to Svartberget Field Station	
<i>Session Peat extraction, harvest &amp; modeling</i>		
8:30-9:15 Keynote talk	Nigel Roulet	Observations and simulations of greenhouse gas exchange from natural, extractive and restored Canadian peatlands

9:15-9:30	Steffy Velosa	Improving land use greenhouse-gas accounting in Canada: How management practices affect emissions in actively extracted peatlands
9:30-9:45	Ahmed Hasan Shahriyer	Implementation and evaluation of Landscape-DNDC model for forestry management scenarios at Lettosuo peatland site in southern Finland
9:45-10:00	Satu Karjalainen	The effect Sphagnum moss harvesting has on GHG emissions on boreal peatlands
10:00-10:30	Coffee break	
10:30-11:30	<i>Poster Session 2</i>	
11:30-12:00	Shuttle from Field Station to Hotel in Vindeln	
12:00-13:00	Lunch at Hotel in Vindeln	
13:00-15:00	Group workshops (3 in parallel, topics tbd)	
15:00-15:30	Plenary workshop summary	
15:30-16:00	Plenary discussions/wrap up	
16:30-18:30	River rafting (optional)	
19:00	Dinner at Vindeln Hotel	
20:00-21:00	Preparation of Scientific Summary for Stakeholder Day	

#### **THURSDAY, JUNE 15**

8:00	Departure for shuttle from Hotel to Svartberget Field Station	
<i>Stakeholder Day</i>		
8:30-9:00	Welcome & Scientific Workshop Days Summary	
9:00-9:15	Hillevi Eriksson (Swedish Forest Agency)	The Swedish Forest Agency peat rewetting task – priorities to obtain a high cost efficiency as a climate action
9:15-9:30	Karin Glauman (Swedish Environmental Protection Agency)	Restoration of peatlands – status and priorities
9:30-9:45	Antti Leinonen (Finnish Ministry of Agriculture and Forestry)	Regulating water table in peat is a key to sustainable management of peatland forests
9:45-10:00	Reijo Hokkanen (Finnish State Forest and Park Service)	Managing state-owned peatland forests in Finland
10:00-10:30	Coffee break	
10:30-12:00	General discussion	
12:00-13:00	Lunch at the Field Station	
13:00-15:30	Excursion to the Trollberget Rewetting site	
15:30-16:00	Wrap up discussions	