

PEAT NEWS



Monthly Newsletter of the International Peat Society

No 4/2010, 12 May 2010

The International Peat Society (IPS) is an international, non-governmental and non-profit organisation of scientific, industrial and regulatory stakeholders. It is dedicated to fostering the advancement, exchange and communication of scientific, technical and social knowledge and understanding for the wise use of peatlands and peat.

No flight tickets to Finland and no seat on the bus yet? Hurry up!

There has been a very good response to the invitation to the **IPS Convention 2010 on 14 - 18 June in Jyväskylä** so far. Almost 80 persons from fifteen different countries have so far registered for the Annual Assembly, the Commission meetings and the seminars on Peat Technology and After-Use of Peatlands. Many of our guests will also participate in the two field trips on the same topics and the social programme in the evenings – and you could be one of them!

We will surely find a few more seats for you and your colleagues if you **register by 20 May** at the latest. All information on the programme, venue and accommodation as well as travel advice are posted at www.peatsociety.org/index.php?id=263. At the same page, you can also register for the different events of the Convention and pay your registration fee. We look forward to welcoming you to Central Finland during the nightless nights!

Preliminary Seminar Programme

After-Use of Cut-Over Peatlands

Wednesday, 16 June 2010



- 14:00 Introduction; Päivi Picken and Catherine Farrell
- 14:10 Many prospects in After-use of Cut-Away Peatlands; Veijo Klemetti and Olli Reinikainen, Finland
- 14:30 Practical Guide for After-Use of Cut-Over Peatlands in Finland; Hannu Salo, Finland
- 14:50 After-Use of Peat Production Areas in Sweden; Stefan Östlund, Sweden
- 15:10 Afforestation of Cut-Away Peatlands: Problems and Possibilities; Lasse Aro, Finland
- 15:30 Coffee break
- 15:50 Bord na Móna Biodiversity Action Plan: Planning the Future of the Cut-Away Bogs; Catherine Farrell, Ireland
- 16:10 Growing Birch and Willow for Bioenergy on Cut-Away Peatlands; Lasse Aro, Jyrki Hytönen, Finland
- 16:30 After-Use of Harvested Peatlands – Can Favouring of the Spontaneous Re-vegetation be an Alternative? Triin Triisberg, Jaanus Paal and Edgar Karofeld, Estonia
- 17:00 Closing
- 18:00 Departure to boat cruise on Lake Päijänne and dinner at Savutuvan Apaja restaurant

Thursday, 17 June 2010

- 8:30 Re-opening and organisational matters
- 8:40 Effects on the Peatland Environment of Hydrological Restoration after Peat Extraction; Lars Lundin, Elve Lode, Monika Strömgen, Torbjörn Nilsson and Sabine Jordan, Sweden
- 9:00 Sphagnum Farming – A Quick Restoration for Cut-Away Peatlands; Niko Silvan, Finland
- 9:20 Studies on Growing Crops on Harvested Peat Lands in New Brunswick; L. L. Ranasinghe, G. E. Williston and R. McIntyre, Canada
- 9:40 Cultivation of Reed Canary Grass (*Phalaris arundinacea* L.) on Cut-Away Peatlands; Mia Suominen, Finland
- 10:00 Coffee break
- 10:20 Planning hydrological restoration of peatlands in Indonesia to mitigate carbon dioxide emissions; H. Wösten, J. Jaenicke, A. Budiman and F. Siegert, Germany, the Netherlands and Indonesia
- 10:40 Novel Technology for Carbon Sensing Networks in Tropical Peatland; Mitsuru Osaki, Bambang Setiadi, Hidenori Takahashi, Takashi Hirano, Toshihisa Honma, Suwido H. Limin, Gen Inoue, and Yuji Inoue, Japan and Indonesia
- 11:00 Vegetation Analysis and Natural Regeneration Potency on Ex-Peat Area Development in Central Kalimantan; Rawana, Indonesia
- 11:15 FINAL: Introduction to Wise After-Use; Catherine Farrell, Ireland
- 11:30 Lunch
- 12:30 Departure of excursions

Peat Technology

Wednesday, 16 June 2010

- 14:00 Introduction by Jaakko Silpola
- 14:10 Fuel Peat Industry in the EU; Teuvo Paappanen, Arvo Leinonen and Kari Hillebrand, VTT, Finland
- 14:30 Peat Production Technologies and Key Factors in Development; Ilkka Heikkilä and Niko Nevalainen, Vapo, Finland
- 14:50 Practical Guide to Water Treatment Methods in Peat Harvesting; Tarja Väyrynen, Turveruukki, Finland
- 15:10 ABC for Preventing Peat Production Site Fires; Hannu Salo, Association of Finnish Peat Industries, Finland
- 15:20 Coffee break
- 15:40 Split Root Fertigation in Peat; Risto Tahvonen, Agriwood Research Finland MTT, Horticulture, Finland

- 16:00 Development of Peat Production Technology in VTT; Arvo Leinonen, Ari Erkkilä and Juha Niemiahö, VTT, Finland
- 16:20 Open topic
- 17:00 Closing
- 18:00 Departure to boat cruise on Lake Päijänne and dinner at Savutuvan Apaja restaurant

Thursday, 17 June 2010

- 8:30 Re-opening and organisational matters
- 8:40 Use of Water Moss in Small Scale On-site Wastewater Treatment; Teppo Rantanen, Biolan, Finland
- 9:00 New Methods of Processing Formed Peat on a Screw Extruding Machine; Kirill Epifancev, Russia
- 9:20 Peat as a Reactive Liner Material in Tailings Impoundment; Ilkka Ilmavirta and Kauko Kujala, Finland
- 10:00 Coffee break
- 10:20 Laboratory Methods for Identification of Self-heated Peat – Suitability of different parameters and related identification risks; Jaakko Soikkeli, Päivi Picken and Jaakko Lehtovaara, Vapo, Finland
- 10:40 Peat as Bedding Material for Domestic Animals in Finland; Päivi Picken, Olli Reinikainen, Vapo, Finland
- 11:00 PLA and PP Composites with Cellulosic Fibres from the Peat and Wood Industry; Kirsi Immonen and Johanna Lampinen, VTT, Finland
- 11:30 Lunch
- 12:30 Departure of excursions

The organising committee reserves its right to change the programme if necessary. Please contact Ms Susann Warnecke at [susann.warnecke \(at\) peatsociety.org](mailto:susann.warnecke@peatsociety.org) immediately in case you cannot participate or have to move the time slot of your presentation. The latest programme can be seen at www.peatsociety.org/index.php?id=263, please check this page always before making final travel arrangements. All speakers were asked to write an article on their subject for Peatlands International 1/2010 to be published in connection with the IPS Convention.



Preliminary Field Trip Destinations

After-Use of Cut-Over Peatlands

Thursday, 17 June

12:30 Departure from Scandic Hotel Jyväskylä

- pristine mires and peatlands in near-natural state
- presentations on peatland use in Finland,
- environmental processes and after-use decision making
- use of canary grass, wood and peat for heat and power generation
- peat museum and outdoor exhibition
- spontaneous mire regeneration, 50-year old growth
- new mire regeneration trials on a reflooded cutaway peatland
- sphagnum replantation trials on a cutaway peatland with greenhouse gas measurements
- mature forestry trials on a cutaway peatland

Accommodation: Jämi holiday center in twin rooms (included), no room in Jyväskylä needed

Friday, 18 June

- reed canary grass as an after-use form for biofuel and water purification
- forestry on cutaway peatland
- agricultural use of cutaway peatlands, crops and animal feed production
- reflooded cutaway peatland, combined bird sanctuary and peat production runoff purification field, different development stages of reflooding, bird watching tower

18:00 Arrival at Tampere airport, 18:30 Arrival at Tampere railway station

20:30 Arrival in Jyväskylä, overnight stay or connections to Helsinki and other cities

Peat Technology

Thursday, 17 June

12:30 Departure from Scandic Hotel Jyväskylä

- VTT Technical Research Centre of Finland
 - Peat production technology and fuel peat use development
- Jyväskylä Energy Keljonlahti CHP Power Plant
 - This new power plant with 200 MW heat and 210 MW electricity started this year.
 - We make a short visit outside the plant and see peat and wood fuel intake systems.
 - The plant uses about one million tonnes of wood and peat fuels in a year.
- Valtra tractor factory
 - Valtra tractors, part of AGCO Corporation, are among the most popular tractors in peat industry.
 - We visit the factory, hear how Valtra tractors are developed for peat production, we

have a chance to test tractors on a test ground, and finally we have a dinner provided by the company.

20:30 Arrival in Jyväskylä, accommodation as for previous nights (own costs and booking)

Friday, 18 June

7:30 Departure from Scandic Hotel Jyväskylä

- Ähtäri
 - We visit an automated peat and wood pellet fired heating system of Buster-boats factory.
- Vapo Oy, Haukine va:
 - We visit Vapo Oy peat and wood pellet factory
 - the capacity of the factory is 66,000 tonnes
 - the factory started production in 2004
 - Visit and discussion in Vapo's peat machinery factory
 - latest innovations in peat production machinery
 - how to decrease ground pressure of the machines
 - how to minimize dust emissions during peat production
 - Peat production in Haukineva
 - visit to large scale peat production field
 - introduction of chemical water treatment in order to clean solid particles and nutrients from peat field drainage water
 - Kekkilä, part of Vapo Group, horticultural peat factory
 - maxibales
 - bedding peat in round bales
 - lunch break during the visit
- Kihniö, Aitoneva, peat museum
 - coffee in peat museum, historical movie about peat production, old peat machines exhibition field

18:00 Arrival at Tampere airport, 18:30 Arrival at Tampere railway station

20:30 Arrival in Jyväskylä, overnight stay or connections to Helsinki and other cities

How to get to Finland and to Jyväskylä

BY PLANE

Flight information can be obtained and tickets bought from many international airlines. The main carrier is Finnair, www.finnair.com but there are also other companies flying from and to Finland (SAS, KLM, BA, Blue1, easyjet, airBaltic, Lufthansa, Air Berlin, Aer Lingus, Wizz Air etc.), mainly to Helsinki , Tampere and Turku.

Flights to Jyväskylä via Helsinki can be booked through by your local travel agency or on the Internet, possibly they need the airport code JYV. Domestic flights from Helsinki to Jyväskylä can also be booked from Finnair, or separately for low rates, directly from the operator, www.fc.fi.

These are, however, often not refundable in case your first flight arrives late, also the luggage has to be picked up in between the flights.

From Jyväskylä-Tikkakoski airport you will take a taxi to the city center (approx 30 minutes, € 30). The taxi should be ordered beforehand by calling +358 100 6900. This phone number is also visible at the check-in counter in Helsinki and there is a free phone to the taxi desk at Jyväskylä airport. More info: www.finavia.fi/airports/airport_jyvaskyla.

VIA HELSINKI / TIKKURILA

There is a shuttle bus connection between Helsinki-Vantaa airport and Tikkurila railway station (bus 61 takes 25 minutes), alternatively you can also go by shuttle bus to Helsinki city centre (bus 615 takes 35 minutes) and from there by train. Of course this is also possible by taxi. All this is very well described at www.helsinki-vantaa.fi/bybus where you can also find the exact shuttle timetables (click on their number).

Trains from Helsinki via Tikkurila to Jyväskylä leave approximately every hour (duration 3-4 hours), please see their detailed schedules at www.vr.fi/eng. Some of them go directly to Jyväskylä, while others require changing in Tampere.

Tickets can be bought at the railway stations (show them your itinerary, approx € 50) or in the train. There is also a 50% discount for travellers over 65 years (eläkeläiset, show a passport indicating your date of birth). In Jyväskylä you can reach your hotel easily by a short walk, by taxi or local buses, depending on its location.

There are also buses directly from Helsinki Airport to Jyväskylä. They leave also almost every hour, but require a change in Lahti or Kerava and take 4-5 hours, timetables can be found at www.matkahuolto.info/lippu/en/. Costs vary from € 40 to 50.

VIA TAMPERE OR TURKU

Ryanair is flying also directly from Bremen, Edinburgh, Frankfurt-Hahn, London-Stansted, Kaunas, Milano, Malaga and Riga to Tampere; Wizz Air from Gdansk to Tampere. This shortens your train or bus ride to about 2 hours. Timetables are available at www.ryanair.com/en and www.wizzair.com; transfer information at www.finavia.fi/airports/airport_tampere-pirkkala (bus 61 to the city center, 40 minutes). Train schedules from Tampere to Jyväskylä can be found at www.vr.fi/eng.

Wizzair is also flying from Riga, Gdansk, Warsaw and Budapest to Turku. Train schedules from Turku to Jyväskylä can be found at www.vr.fi/eng, the trip takes approximately 3.5 hours.

BY FERRY AND CAR

Alternatively you can reach Jyväskylä by car (270 km north of Helsinki) and use different ferry services from Central Europe, Sweden or the Baltic States. Tickets can be booked, for instance, at www.finnlines.com or www.tallinksilja.com/en/. Remember to keep your lights switched on while driving in Finland and watch out for the elks!

For updates please visit: www.peatsociety.org/index.php?id=263