

# ITEX during the International Polar Year

*International Tundra Experiment - 15<sup>th</sup> Workshop*

10-12<sup>th</sup> October 2008, Reykjavík, Iceland





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## Meeting Program

### Friday, October 10<sup>th</sup>

- 09:00-09:10 Welcome, agenda, logistics, etc. Ingibjörg S. Jónsdóttir  
09:10-09:20 Welcome to the Agricultural University of Iceland. Ólafur Arnalds, Dean, Faculty of Environment  
09:20-09:40 Impacts of climate change in Iceland. Snorri Baldursson  
09:40-10:00 ITEX during IPY - workshop objectives. Address by Greg Henry, the ITEX chair

#### *Patterns and processes belowground*

- 10:00-10:15 Interactive effects of temperature and water level on tundra carbon flux. Paulo C. Olivas and Steve Oberbauer  
10:15-10:30 Winter fluxes of carbon dioxide – a comparison of current methodology. M.P. Björkmann, Elke Morgner, Robert G. Björk, Elisabeth J. Cooper, Bo Eberling and Leif Klemendsson  
10:30-10:45 **Coffee break**  
10:45-11:00 More Arctic snow. Elisabeth Cooper, Elke Morgner, Philip Semenchuck, Julia Wdowiak and Bo Elberling  
11:00-11:15 Icelandic soils in response to increasing temperatures in Iceland. Rannveig Guicharnaud  
11:15-11:30 Long-term warming effects on greenhouse gas emissions from high arctic tundra. Greg Henry, Steve Siciliano, Eric Lamb and Ian Snape

#### *Patterns and processes above ground*

- 11:30-11:45 Vegetation responses in a warming and enclosure experiment in an alpine, subarctic oceanic environment. Anna Maria Fosaa  
11:45-12:00 Elevated CO<sub>2</sub> and warming at treeline. Christian Rixen, Melissa Martin, Sonja Wipf and Frank Hagedorn  
12:00-12:15 The effect of shrubs on treeline dynamics and responses to simulated environmental changes in the Central Pyrenees and in the Subarctic Scandes. Oriol Grau, Josep Maria Ninot and Terry Callaghan  
12:30-13:30 **Lunch**  
13:30-13:45 Monitoring Ammassalik vegetation change (MAVC) – Preliminary results. Fred Daniëls  
13:45-14:00 Diversity-stability relationships of an alpine plant community under simulated environmental change. Kari Klanderud and Ørjan Totland  
14:00-14:15 Plant responses to experimental and natural warming in Barrow and Atqasuk Alaska. Robert Slider and Robert Hollister  
14:15-14:30 Plant Community Changes in Northern Alaska in Response to Warming. Jeremy May and Robert Hollister

- 14:30-14:45 Effects of sudden cold temperature on *Sphagnum girgensohnii* grown under different light and temperature regimes. Steve Oberbauer and Sarah J. Colby
- 14:45-15:15 **Coffee break**
- 15:15-15:30 Long-term warming and novel climate change experiments on the Tibetan Plateau. Julia Klein
- 15:30-15:45 Impacts of climate change on plant-herbivore interactions in the High Arctic. Madeleine Doiron, Esther Lévesque and Gilles Gauthier
- 15:45-16:00 Recent vegetation changes in pastures in Iceland under a warming climate. Borgthór Magnússon
- 16:00-16:15 Effects of climate change and land use on tundra ecosystems in Iceland. Ingibjörg S. Jónsdóttir, Borgthór Magnússon, Jón Gudmundsson, Jámgerdur Grétarsdóttir, Rannveig Guichamaud and Hlynur Óskarsson

### Saturday, October 11<sup>th</sup>

- 09:00-09:20 Cross-site comparison of indicators of ecosystem processes in response to ITEX warming. Steve Oberbauer
- 09:20-09:40 Changes in tundra vegetation in response to current climate warming: analysis of ITEX control plots. Sarah C. Elmendorf and Greg Henry.
- 09:40-10:40 Poster session and Coffee break
- 10:40-11:40 Working groups – Control plot analysis
- 11:40-12:00 Excursion introduction
- 12:00-13:00 **Lunch**
- 13:00-19:00 Excursion
- 19:00-21:00 Workshop Dinner

### Sunday, October 12<sup>th</sup>

- 09:00-10:00 Reports from working groups – control plot analysis – and discussion
- 10:00-10:30 **Coffee break**
- 10:30-11:30 Phenology synthesis workshop. Steve Oberbauer
- 11:30-12:00 Working groups – phenology synthesis
- 12:00-13:00 **Lunch**
- 13:00-15:00 Working groups reports and discussions
- 15:00-15:30 **Coffee break**
- 15:30-16:30 Summing up
- 16:30-17:00 Handing over the ITEX Viking

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# Field trip



