PERMAFROST CARBON NETWORK:

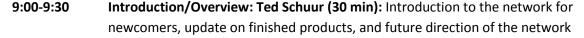
4th Annual Meeting 2014

Agenda

Sunday, 14 December 2014 (9am – 5pm)

Location: InterContinental San Francisco, 888 Howard Street

AM (9am-12.30pm)



9:30-10:00 C Quantity Update (30 min total), introduction by Gustaf Hugelius

- Hugelius: An updated version of the Northern Circumpolar Soil Carbon Database
- Hugelius: An updated estimate of the circumpolar permafrost carbon stocks, including estimate uncertainties and data gaps
- Hugelius/Grosse: Spatial extent of Beringian ice-complex deposits (yedoma)
- Hugelius/Mishra: An independent estimate of permafrost soil carbon based on digital soil modelling

10:00-10:30 C Quality Update (30 min total), introduction by Christina Schädel

- **Schädel:** Quantifying the effect size of changing environmental controls on C release from permafrost-affected soils
- Treat/Natali: A pan-Arctic synthesis of CH₄ and CO₂ production from anoxic soil incubations
- Jastrow: Utility of fractionation approaches for assessing organic matter decomposability in permafrost-region soils

10:30-11:00 Coffee Break

11:00-11:20 Thermokarst Update (20 min total), introduction by Britta Sannel

- Hayes: A Regionalization of the Circum-Arctic Domain to Study the Vulnerability of Permafrost Carbon to Climate Change
- Olefeldt: Mapping thermokarst pre-disposition and vulnerability at the pan-arctic scale

11:20-11:40 Anaerobic/Aerobic Update (20 min total), introduction by David Olefeldt

- Olefeldt/Vonk: Circum-arctic lability of dissolved organic carbon
- Wik: Methane emission potential of pan-Arctic lakes and ponds

11:40-12:30 Model Integration Update (50 min total): A. David McGuire

McGuire: Overview of Modeling Integration Group Activities



- McGuire: Status of Retrospective Model Intercomparison Activities
- McGuire: Status of Future Model Intercomparison Activities
- Koven/Schuur: Vulnerability of Permafrost Carbon: An upscaling analysis
- Turetsky: Thermokarst upscaling

Lunch provided at the InterContinental (1h)

PM (1.30pm-5pm)

1:30-2:00	Introduction of activities of interest to the network (COUP, others)
2:00-2:20	Introduction into Breakout groups
2:20-3:50	Afternoon breakout groups
	 Modeling (led by McGuire and Lawrence) Carbon Pools (led by Hugelius) Thermokarst upscaling (led by Turetsky) Aerobic/Anaerobic upscaling (led by Schuur/Schädel)
3:50-4:10	Coffee Break
4:10-5:00	Breakout summary updates and roadmap outline