Agenda: 6th Annual Meeting of the Permafrost Carbon Network

Sunday, 11 December 2016

Location: Parc 55 Hotel (55 Cyril Magnin Street, San Francisco, CA, 94102)
Room: Market Street

Morning (9 am – 12 pm)

9:00 – 9:45 Introduction and overview of PCN activities (incl. 15 minutes of discussion)
Lead: Ted Schuur, Christina Schädel

9:45 – 10:30 Synthesis updates (5 minutes presentation, 2 minutes discussion)
Chip Miller: Arctic Atmospheric Methane Synthesis
Sue Natali: Pan-Arctic synthesis of cold Season Carbon Emissions
Heather Kropp: Impacts of Vegetation on the Decoupling between Air and Soil Temperatures across the Arctic
David Olefeldt: Dissolved Organic Matter Composition in Waters Draining Permafrost Landscapes – a Circumpolar Synthesis
Christina Schädel: Updates on permafrost incubation database and 3-pool modeling
Cristian Estop-Aragones: Synthesis on carbon mobilization from permafrost environments using radiocarbon

10:30 – 10:50 Coffee break

10:50 – 12.00 Synthesis updates (5 minutes presentation, 2 minutes discussion)
Yuanhe Yang: Tibetan permafrost carbon stocks
Guido Grosse: Thermokarst and Thermo-Erosion Rates Synthesis
Merritt Turetsky: Thermokarst carbon upscaling
Claire Treat: First assessment for global peatland distribution for the past one hundred ten thousand years
Christian Andresen: Wetter or drier? An insight into hydrology projections in permafrost regions
Dave Lawrence: PCN model summary results
Dave McGuire: Comparing permafrost soil carbon pools from earth system models to empirically derived datasets

12.00 – 1.00 pm Lunch at Parc 55 (provided by PCN/SEARCH for registered participants)
Afternoon (1.00 pm – 5:00 pm)

1:00 – 1:30  Pop-Up presentations (3-5 minutes each):

Overview: Ted Schuur
NEON: Mike SanClements
ABoVE: Scott Goetz
NGEE: Cathy Wilson
PAGE21: Han Dolman/Gerhard Krinner
ArcLTER: Breck Bowden
AON: Eugenie Euskirchen
GlobPermafrost: Guido Grosse

1:30 – 2:30  1st Breakout.
Main Questions: What are the 3 top opportunities for synthesis? This can be field, lab or model based.
1) What is possible in 1 year?
2) What is possible mid-range, 1-3 years?
3) What are the remaining holes, data gaps?
Roundtable discussion: pre-assigned groups, one discussion leader and note taker, same topic for all groups but multiple discussion groups (~10-15 per group).

2:30 – 3:00  Breakout summary

3:00 – 3:30  Coffee break

3:30 – 4:30  2nd Breakout.
Topic: Synthesis specific discussions:

a) Vegetation dynamics (leads: Heather Kropp, Mike Loranty)
b) Top-down versus bottom up approaches for estimating carbon fluxes from the Arctic (leads: Sue Natali, Eugenie Euskirchen)
c) Ground-Ice content in the permafrost zone (lead: Merritt Turetsky)
d) Methane syntheses and Methane workshop (lead: Dave McGuire, Jennifer Frederick)
e) Radiocarbon in permafrost synthesis (lead: Cristian Estop-Aragones)
f) Others, TBD

4:30 – 5:00  Wrap-Up and Outlook