Agenda: 5th Annual Meeting of the Permafrost Carbon Network

Sunday, 13 December 2015

Location: InterContinental San Francisco, 888 Howard Street
Ballroom C, 5th Floor

Morning (9 am – 12 pm)

9:00 – 9:45 **Introduction and overview of completed synthesis products** (incl. 15 minutes of discussion)
Lead: Ted Schuur, Christina Schädel

9:45 – 10:00 **1) Methane syntheses**
Lead: Dave McGuire

10:00 – 10:10 **Discussion**

10:10 – 10:30 AM COFFEE BREAK

10:30 - 10:45 **2) Geospatial analyses: dynamic landscape controls on permafrost carbon vulnerability**
Lead: Dan Hayes, David Olefeldt

10:45 – 11:00 **3) Yedoma carbon stocks and other deep permafrost carbon**
Lead: Jens Strauss

11:00-11:10 **Discussion**

11:10 – 12:00 Speed-Talks Leading to PM Breakout Discussions:

4) **Benchmarking and improving interactions with the Earth System Modeling Community**
Lead: Charlie Koven, Dave Lawrence, Gustaf Hugelius

5) **Quantifying relationships between vegetation structure and permafrost thermal dynamics**
Lead: Mike Loranty, Sue Natali, Alexander Kholodov

6) **Where and when will the Arctic become wetter or drier?**
Lead: Cathy Wilson, Christian Andresen

7) **Dissolved organic matter composition in waters draining permafrost landscapes**
Lead: Jon O'Donnell, Jorien Vonk

8) **Carbon emission from the arctic during the non-growing season**
Lead: Sue Natali

9) **Greening versus browning of the Arctic**
Lead: Christina Schädel

10) **Synthesizing the use of carbon isotope (^{14}C and ^{13}C) approaches to understand rates and pathways for permafrost C mobilization and mineralization**
Lead: Cristian Estop-Aragones

11) **Empowering our data: primary and derivative data products**
Lead: *Jen Harden, Claire Treat, Charlie Koven, Claire Treat, Umakant Mishra, Gustaf Hugelius*

Discussion

12 - 1 PM LUNCH (provided for signed up participants by PCN/IASC at Intercontinental)

Afternoon (1 – 4.30 pm)

1:00 - 2:20 pm 1st Breakout Session (numbers refer to morning presentations)

1) Methane syntheses
Lead: Dave McGuire (overview), Jennifer Frederick (coastal waters), Chip Miller (atmosphere), David Olefeldt (on-shore emissions)

7) Dissolved organic matter composition in waters draining permafrost landscapes
Lead: Jon O'Donnell

5) Quantifying the influence of ecosystem structure on permafrost thermal dynamics.
Lead: Mike Loranty

6) Where and when will the Arctic become wetter or drier?
Lead: Cathy Wilson, Christian Andresen

8) Carbon emission from the arctic during the non-growing season
Lead: Sue Natali

3) Deep soil carbon pools
Lead: Jens Strauss, Guido Grosse, Gustaf Hugelius, Jen Harden

2:20 – 2:30 COFFEE BREAK AND ROTATION

2:30 – 4:00 2nd Breakout Session (numbers refer to morning presentations)

1) Methane syntheses (continuation)
Lead: Dave McGuire (overview), Jennifer Frederick (coastal waters), Chip Miller (atmosphere), David Olefeldt (on-shore emissions)

2) Geospatial analyses: addressing the scaling components of PCN synthesis activities
Lead: Dan Hayes, Andrew Balser

9) Greening versus browning of the Arctic
Lead: Christina Schädel

10) Synthesizing the use of carbon isotope (^{14}C and ^{13}C) approaches to understand rates and pathways for permafrost C mobilization and mineralization
Lead: Cristian Estop-Aragones, Ted Schuur

11) Primary and Derivative data products
Lead: Jen Harden, Claire Treat, Charlie Koven, Claire Treat, Umakant Mishra, Gustaf Hugelius

4:00 – 4:30 PM Summary and Outlook

4:30 PM END