



Sunday, December 8, 2019 San Francisco, CA

Parc55 – Room Embarcadero

9:00 – 9:40 AM

INTRODUCTION AND OVERVIEW OF PCN ACTIVITIES & Q/A

(Ted Schuur/Christina Schädel)

9:45 – 10:15 AM

SYNTHESIS UPDATES I

Carbon fluxes - updates

- **CO₂ flux synthesis – overview** (Marguerite Mauritz)
- **CO₂ flux synthesis – spatial scaling** (Brendan Rogers/Sue Natali)
- **CO₂ flux synthesis – annual & growing season flux upscaling** (Anna Virkkala)
- **CH₄ flux synthesis, and development of land cover database for scaling CH₄ emissions** (David Olefeldt)

10:15 – 10:30 AM

Q/A

10:30 – 10:50 AM

COFFEE BREAK

10:50 – 11:45 PM

SYNTHESIS UPDATES II

Carbon Pools and interactions - updates

- **Arctic delta carbon stock synthesis** (Matthias Fuchs)
- **Subsea permafrost expert assessment project** (Sara Sayedi)

Data-Model

- **High-latitude warming synthesis and model intercomparison** (Christina Schädel)

Carbon related

- **Permafrost microbiome – publication & database** (Jessica Ernakovich)
- **Permafrost thaw and release of mercury** (Lauren Thompson)
- **Vegetation-permafrost interactions - results and next steps** (Mike Loranty)
- **Fire and permafrost** (Mike Loranty)
- **N₂O flux synthesis and links to carbon cycle/research gaps** (Carolina Voigt)
- **Emerging remote sensing applications & technologies** (Jennifer Watts)

11:45 – 12:00 PM

Q/A

12:00 – 1:00 PM

LUNCH (FOR REGISTERED PARTICIPANTS)



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1:00 – 1:30 PM

RELEVANT OPPORTUNITIES

- **COP25 update** (Sue Natali)
- **IPaC and RECCAP** (Ted Schuur)
- **Permafrost thaw survey - ecosystem services and benefits** (Carolyn Gibson)
- **Arctic Underground** (Verity Salmon)
- **International Soil Carbon Network** (Avni Malhotra)
- **Permafrost meetings/US Permafrost Association** (Cathy Wilson)
- **IPCC AR6** (Charlie Koven)

1:40 – 2:40 PM

BREAKOUT ROUNDS I – ALL MEETING PARTICIPANTS

Roundtable discussion: pre-assigned groups, one discussion leader and note taker, same topic for all groups but multiple discussion groups (~10-15 per group).

2:40 – 3:10 PM

REPORT BACK - ALL

3:10 – 3:30 PM

BREAK

3:30 – 4:30 PM

BREAKOUT ROUNDS II – CURRENT CONTRIBUTORS

- **How to make the carbon flux time series updatable?** (Eugenie Euskirchen/Marguerite Mauritz/Ted Schuur)
- **Fire and permafrost** (Mike Loranty)
- **Next steps for the permafrost microbiome** (Jessica Ernakovich)
- **High-latitude warming experiment synthesis and model intercomparison** (Christina Schädel/Charlie Koven)
- **Permafrost outreach/policy action group discussion** (Sue Natali/Ben Abbott)
- **Permafrost thaw survey - ecosystem services and benefits** (Carolyn Gibson)
- **Permafrost thaw and release of mercury** (Flor Fahnestock, Scott Zolkos, Lauren Thompson)
- **Emerging remote sensing applications & technologies**(Jennifer Watts)
- **New opportunity?**

4:30 – 5:00 PM

REPORT BACK AND WRAP UP