Carbon Pools and Decomposability:
- **Gustaf Hugelius**: Mapping Northern peatland extent, carbon and nitrogen stocks
- **Guido Grosse**: Yedoma database
- **Guido Grosse**: ESA permafrost project
- **Yuanhe Yang**: Spatial and vertical heterogeneity of permafrost soil organic carbon stocks.
- **Jessica Ernakovich**: Thaw-induced changes to the permafrost microbiome

Coffee Break

Carbon Fluxes:
- **Eugenie Euskirchen**: Bottom-up CO₂ flux synthesis
- **Sue Natali**: Non-growing season flux synthesis
- **Ben Abbott/Jennifer Frederick**: Expert assessment for subsea permafrost and related emissions
- **Claire Treat**: Non-growing season methane fluxes from high-latitude ecosystems
- **McKenzie Kuhn**: Development of a land cover model for scaling methane emissions

Vegetation:
- **Heather Kropp/Mike Loranty**: Air-soil temperature decoupling across vegetation types

Modeling/Benchmarking:
- **Dave Lawrence/Charlie Koven**: Updates on modeling activities
- **Christina Schädel**: Site specific data-model comparison
- **Kevin Schaefer**: The International Land Model Benchmarking project
- **Irina Overeem**: Permafrost modeling toolbox

Hydrology/Lateral transport:
- **Jon O'Donnell**: Dissolved organic matter composition of waters draining permafrost landscapes
- **Christian Andresen**: Permafrost-hydrology MIP
- **Erin Trochim**: Surface water analysis for pan-Arctic permafrost

**Soil data hackathon**: Jen Harden
Permafrost Carbon Network
Agenda: 7th Annual Meeting

12:00 – 1:00  Lunch at the Marriott
Provided by PCN/SEARCH and ISCN for registered participants

1:00 – 1:30  Introduction of new research opportunities, ideas, projects, networks of interest to the PCN
1:30 – 2:45  1st Breakout
2:45 – 3:00  Coffee break
3:00 – 4:15  2nd Breakout
4:15 – 5:00  Wrap-Up and Outlook

1st Breakout
A. Data hacking: Recovering the long tail of soils data
   All afternoon, organized by Jennifer Harden and Kathe Todd-Brown, details can be found here: http://iscn.fluxdata.org/event/hackathon2017/

B. Expert assessment for subsea permafrost and related emissions (Ben Abbott/Jennifer Frederick)

C. Thermokarst: what have we done, what do we know, where are we going (Merritt Turetsky, Guido Grosse)

D. Bottom-up estimations of methane emissions (Claire Treat, McKenzie Kuhn)

E. Model benchmarking, model-data comparison, modeling toolbox (Kevin Schaefer, Irina Overeem, Charlie Koven, Christina Schädel)

Coffee Break

2nd Breakout
A. Continuing: data hacking: Recovering the long tail of soils data

F. Thaw-induced changes to the permafrost microbiome and the functional implications (Jessica Ernakovich)

G. Bottom-up CO₂ flux synthesis (Ted Schuur, Eugenie Euskirchen, Marguerite Mauritz)

H. Organizing validation data for remote sensing products (Kevin Schaefer)

I. Surface water analysis for pan-Arctic permafrost (Erin Trochim, Christian Andresen)

Coordinated Activity by the Permafrost Action Team of SEARCH: Study of Environmental Arctic Change
www.permafrostcarbon.org