

First Circular: Circum-Arctic Flux Workshop

February 7 - 9, Hyytiälä Forestry Research Station, Finland

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Tentative Agenda

February 7, Morning: *Flux Measurements in the Arctic: Challenges and Outcomes*

- Overview of flux measurements around the circum-arctic
- Technical issues and newest techniques
- Error analysis, gap-filling, partitioning
- Ancillary measurements

February 7, Afternoon: *Process-Based Understanding*

- Drivers of flux
- Most sensitive versus most resilient systems
- Links with subsurface observations (permafrost, hydrology)
- Links with aquatic systems
- Closure experiments (energy balance, carbon balance)
- Importance of Long-term measurements

February 8, Morning: *Top Down versus Bottom Up Approaches*

- What can be provided from eddy flux measurements to models & vice versa?
- Upscaling
- Model initialization issues for the Arctic
- Observational needs for modeling and upscaling
- Energy fluxes
- Statistical scaling
- Remote sensing

February 8, Afternoon: *Synthesis*

February 9, Morning

Group discussion on moving forward and synthesis continued

