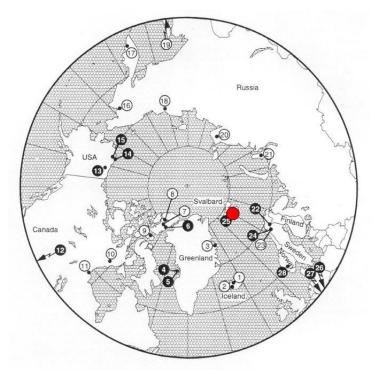
Soil fungal communities related to C cycling in upland and polar environments

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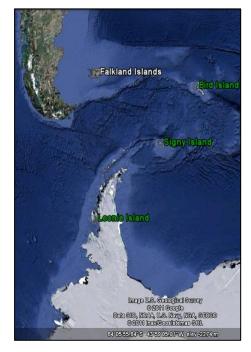
Polar semi-desert, Ny-Ålesund, Svalbard (79°N)





Sub- & Maritime Antarctic (54°S, 61°S 68°S)





Experimental treatments

- 'Functional redundancy'
- N & P addition
- Warming

Structure of fungal community

- Molecular techniques DNA
- Ergosterol, PLFAs
- Isolations into culture

Function – C cycling

- Molecular techniques RNA
- Enzyme activity in natural & synthetic media
- ¹⁴C