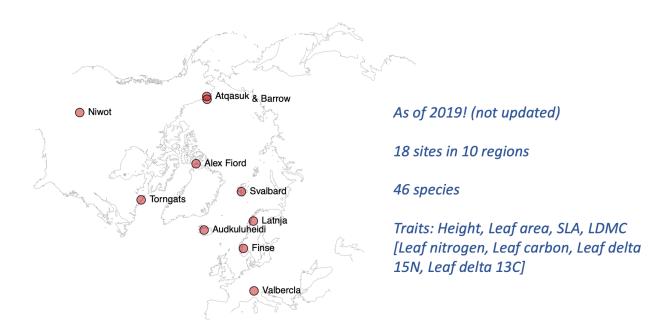
Workshop - Plant functional traits and experimental warming

Tundra trait species gaps

If anyone is interested in joining this effort, please get in touch with Kata, Anne B., etc. There is a list of tundra species that don't have traits to improve gap filling data.

Experimental warming influences on traits

Contribute to the control versus OTC trait data!



Here is the protocol: Add link to the protocol

There is a postdoc at Gothenburg working with Anne who will be leading some future trait analyses - traits from different species and sites inside and outside of the OTCs.

Let's come together to do this next synthesis!

Notes for Kata:

Look at different species and are the ones that are changing the ones with more extreme or more average decomposability. - Christian

In my own words;) Comment Christian: To interpret the community pattern, it would be nice to

break the analysis down to individual species. Maybe you have an increase of a highly decomposable species and of a low decomposable species and the overall effect is zero. Or you have an increase of a species that is in a middle range of decomposability and the community effect is also zero.

This analysis is 'decomposability' not 'decomposition'. - Anne

General discussion:

Have you thought about diversity influences on decomposition? - Chelsea

Litter smothering could influence interactions between litter, decomposition and plant composition. - Zoe

Can we synthesize whether within-species variation in response to ITEX warming [plasticity (or microevolution but probably it's plasticity) in traits] is in general the SAME direction as species turnover changes (i.e. in a site where the 'winners' are species with high SLA also a site where individual species have higher SLA in the ITEX chambers). Evolutionary theory people talk about this as countergradient variation (example below; not my paper), but basically you want to see whether the slopes differ for within-species response to a treatment (like warming) vs CWM compositional response. The idea is that the community as a whole tells you something on what the "right" way to change in response to the plastically.

