

## Workshop - Arctic plant borealization synthesis

### Current projects:

- Mariana's Borealization project - how much borealization has occurred and where? Which species are driving borealization? Analysis both at the community level and at the species level

### Notes:

- Any/source/list of N-fixer species? - <https://www.gfbinitiative.org/> Should find N-Fixer here as in- <https://www.nature.com/articles/s41586-019-1128-0>
- Is there a chance to add herbivore data into this? (Christian Rixen) - check with Isa (Herbivory Network) and with Anne (ITEX metadata)
- Look into the CAFF species list to see if they are present in the plots - how many boreal species are present already?
- How to deal with the difference in distance in elevation and northward distance? - add the climate difference by elevation - multiply by elevation to get actual climate from chelsea (1x1km resolution)
- Where to set the threshold if a group of tree is large enough to be considered a treeline? It's very subjective - a way could be to decide on a size beforehand.
- Determine the heterogeneity and topography within subsite (topography/heterogeneity of the landscape?)
- Annett Bartsch has built a dataset on landscape classification, land cover classes (Christian will talk about this in the Remote sensing workshop) - check if we can include habitat classification
- Back to the future data - available in the AVA archive - check with Craig/Bob