



Project acronym: TSENS

Project title: Temperature sensitivity of soil bacterial communities in the Arctic

Project leader: James Weedon, Vrije Universiteit Amsterdam, Netherlands

Discipline: Earth Sciences & Environment: Ecosystems & Biodiversity

Station(s): NIBIO Svanhovd Research Station (Norway), Western Arctic Research Centre (WARC), Arctic Station (Greenland/Denmark), Greenland Institute of Natural Resources (Greenland/Denmark)

In TSENS, we will collect soil samples from WARC, Svanhovd, Kilpisjarvi, GINR, Arctic station & Kluane Lake, to study the temperature sensitivity of the growth and respiration of Arctic soil bacterial communities. This requires soil sampling and cooled shipping of all samples. In Amsterdam we will perform growth and respiration assays in our laboratory. Together with 4 (sub)-Arctic sites we have previously collected we will be able to map the temperature sensitivity of soil bacterial communities in the Arctic region.