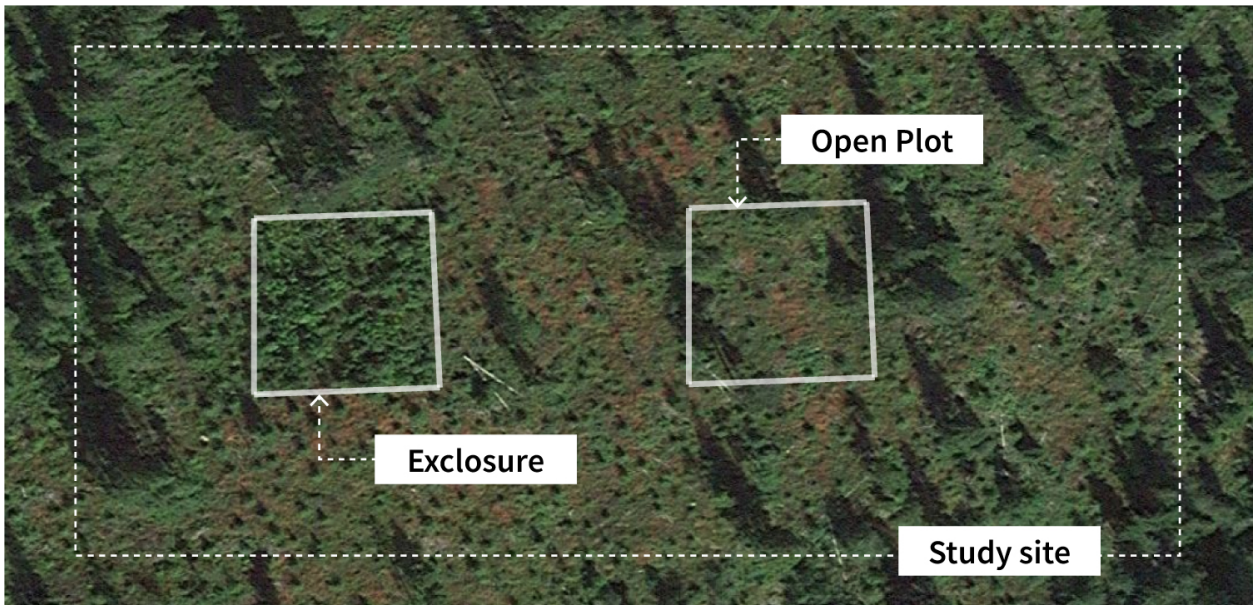
Dataset Description:

37 study sites in three regions of Norway (Hedmark, Telemark, and Trøndelag). Each *study site* consists of *two plots* – (1) an **exclosure**, which is fenced off from herbivores, and (2) an **open plot**, which is accessible to herbivores.

Visualization of a single study site:



For each *study site*, the difference in albedo and tonC/ha between the exclosure and open plot has been calculated for all months and years of available data (specifically, Δ value = exclosure value – open plot value).

Dataset Variables:

- **Region** – the region of Norway (Hedmark, Telemark, or Trøndelag) that the study site is located within.
- **LocalityName** – this is a character identifier unique to each *study site*. Ex. 'bratsberg' corresponds to the Bratsberg study site.
- **Month** – the month in a given year since exclosure.
- **Years_Since_Exclosure** – the number of years since the start of the experiment at the corresponding *study site* (which is indicated by 'LocalityName'). Ex. *Years_Since_Exclosure* = 2 & *LocalityName* = bratsberg corresponds to an observation two years after the initiation of the Bratsberg study site. NOTE: years since exclosure is

not uniform between all sites (ex. some sites in Hedmark only have data starting after 3 years since exclosure).

- **Delta_Biomass_kg_m2** – for a given year since exclosure at a study site, this variable indicates the difference in total biomass per unit area (kg/m^2) between the exclosure plot and open plot (where Δ biomass = exclosure biomass – open plot biomass). NOTE: Δ biomass is on an *annual* timescale – however, for a given year at a study site, Δ biomass for that year is repeated 12x (once per month) to allow for monthly Δ albedo to be included in the same dataframe.

- **Delta_tonC_ha** – for a given year since exclosure at a study site, this variable indicates the difference in carbon per unit area (tonC/ha) between the exclosure plot and open plot (where Δ tonC/ha = exclosure tonC/ha – open plot tonC/ha). NOTE: Δ tonC/ha is on an *annual* timescale – however, for a given year at a study site, Δ tonC/ha for that year is repeated 12x (once per month) to allow for monthly Δ albedo to be included in the same dataframe.

- **Delta_Albedo** – for a given month in a given year since exclosure at a study site, this variable indicates the difference in monthly mean albedo between the exclosure plot and open plot (where Δ albedo = exclosure albedo – open plot albedo). Note that there are 12x Δ estimates for each year since exclosure.