

## **ReadMe**

### **DATA FROM**

Sørensen, M V, Strimbeck, R, Nystuen, K, Kapas, R, Enquist B, Graae, B (2017): “Draining the pool? Carbon storage and fluxes in three alpine plant communities”. ECOSYSTEMS.

### **FILE CONTENT**

Field data of C and N pools and CO<sub>2</sub> fluxes, methods and experimental design explained in publication. The data is processed in R core Team 2015.

### **FILE STRUCTURE**

All data files are assembled into one Excel spread-sheet containing the following sheets:

**C\_N\_pools:** Carbon and nitrogen pools in above-ground vegetation, litter, roots, and soil separated into organic and mineral horizons. Main data of the publication.

**Description\_CO2\_flux\_data:** Column names of CO<sub>2</sub>flux data explained.

**CO2\_fluxes\_environment:** CO<sub>2</sub> fluxes (including Net Ecosystem Exchange, Ecosystem Respiration and Gross Ecosystem Photosynthesis) and the environment (such as light, moisture, and air, surface, and soil temperature) during measurements. Main data of the publication.

**CO2\_heath\_diurnal:** Diurnal measurements of three plots measured every two hours for 24 hours. Measurements only performed on one of the plant communities in the study.

**CO2\_control\_versus\_brotherplot:** CO<sub>2</sub> fluxes in main plots and harvest plots, taken the same days.

**CO2\_light\_curves:** Light curve measurements for all the plots.

**GEP600\_models\_environment:** Gross Ecosystem Photosynthesis standardized to 600 PAR, and the model specifications used, as well as environment summarized during measurements.

### **DATA COLLECTOR**

All data was collected by Mia Vedel Sørensen (mia.vedel.sorensen@ntnu.no).