

SUSFORAGE: WP2 Soil Samplig - CREAM

Soil physico-chemical, microresp and enzymes analyses:

Sampling Design: 27 plots x 2 grazing treatments x 2 times

Timing: Peak biomass periods in 2022 and 2023

For soil sampling please proceed as follows:

In each plot:

1. along a diagonal transect to the plot collect 3-5 soil cores (0-10 cm depth, \varnothing 5 cm).
2. Samples must be stored in plastic bags and kept under refrigerator conditions (at 4°C).
3. In the laboratory, the soil will be homogenised and sieved to 2 mm. Please note that wearing of gloves is mandatory during the manipulation of samples.
4. A final weight of 300-400 g will be required for different soil analyses.
5. Keep samples in the same conditions (plastic bags at 4°C) during all the time.
6. * Soil samples for metabolomics (optional, i.e., for those partners who have liquid nitrogen availability and a lyophiliser): a subsample of the collected soil (around 20 g) should be immediately frozen in the field in liquid nitrogen. In the laboratory, the sample is lyophilised and stored in dry conditions (perforated silica bags are recommended) and, ideally, in refrigerated conditions (-80 °C). Shipment must be done in dry conditions (soil samples with perforated silica bags).
7. All the subsamples must be shipped as soon as possible after the sampling day under refrigerated conditions to:

Àngela Ribas

CREAF, Edific C

08193 Bellaterra, Barcelona, Spain