

NERC-funded Research Experience Placement (REPs) Summer 2025

Project title

Greenhouse Gas Emissions versus soil respiration rates in the Cairngorms

Lead supervisor

Alexandra Turchyn

Project description

The applicant will be joining an ongoing project coupling measurements of soil respiration using an infrared gas analyser, and performing some other monitoring tasks, at each of 20 plots - for two weeks in July and two weeks in August. These measurements will be coupled with measurements of greenhouse gas fluxes into chambers - that is we are measuring the rates that the soil produces CO₂ and methane and then measuring how much of it is emitted from the soil to the atmosphere. This connects to an ongoing project within the Centre for Landscape Regeneration that explores the emission of greenhouse gases from a variety of ecosystems.

Project restrictions

The student must be willing to accompany on field work and be ready for being out in the weather.

Working arrangements

This would be a challenging project to do remotely. The student will be fully integrated into the field team and when in Cambridge will be fully integrated into the Turchyn research group.