



CLIMATE TECH CASE STUDY

Land Use

Ecometrica

The Scottish Earth Observation Service (SEOS) is an initiative led by ScotlandIS member Ecometrica to advance applications of Earth Observation (EO) in Scotland; increasing the consistency, continuity, extent and usefulness of geospatial content through the provision of services that address environment and land management challenges faced by a number of Scottish public and private organisations.

SEOS works in partnership with other geospatial service providers to provide a one-stop service for monitoring land assets via the Ecometrica platform. Working with GSI and Carbomap, Ecometrica will collect high resolution LiDAR data and use innovative machine learning techniques to combine with Sentinel 1 and 2 satellite data to generate improved information streams for forestry and vegetation conditions in Scotland.

They will be working with commercial forestry companies and land agents to develop due diligence reports with basic forestry metrics to reduce the cost of manual surveys before purchasing new land assets.

Ecometrica will also be working with NGOs like the Woodland Trust to develop tools to help monitor native woodland conservation efforts. Nature based solutions and sustainable forestry will be a key component to meet Scotland's ambitious net-zero targets, with large, well known brands such as BrewDog leading the way in the private sector. Tools to monitor the impact of these interventions and identify suitable areas for future regeneration will be an important part of the solution going forward.

View the website [here](#).