Cwiri Job Description
Soil Carbon Scientist

Soil Carbon Monitoring, Reporting and Verification

About the Role

Cwiri Ltd is developing innovative approaches to environmental monitoring to support robust carbon accounting in woodland and peatland systems.

We are seeking a Soil Carbon scientist to contribute to the development of practical, defensible methods for monitoring soil carbon and environmental change in afforested sites (particularly in organo-mineral soils), aligned with frameworks such as the Woodland Carbon Code and Peatland Code.

This role sits at the intersection of environmental science, data analysis, and real-world project delivery. The successful candidate will work closely with Cwiri's team, project developers, and scientific collaborators to ensure that monitoring approaches are not only scientifically robust, but also usable, scalable, and appropriate for operational use.

This is a highly applied role, focused on translating scientific understanding into practical solutions for carbon monitoring in real projects.

Job Title

Soil Carbon Scientist – Soil Carbon Monitoring, Reporting and Verification

Location

Remote (UK-based) initially, with fieldwork across UK peatland and woodland carbon sites

Contract Type

Fixed-term (12 months), with the possibility of extension subject to funding availability and performance. This is a full-time role, though part-time arrangements may be considered for suitable candidates.

Right to work

Candidates must have the right to work in the UK.

Salary

£40,000–£50,000 per annum, depending on experience.

Role & Purpose

The candidate will deliver applied research to support the development of Cwiri's carbon monitoring capability, with a focus on soil carbon dynamics and environmental processes in afforested systems.

The role involves developing approaches to understand and quantify soil carbon change, analysing complex environmental datasets, and translating scientific insights into practical, defensible monitoring approaches suitable for Woodland Carbon Code and Peatland Code-aligned projects.

The position emphasises analytical rigour, collaboration and real-world applicability.

Key Responsibilities

- Analyse soil carbon, hydrology, and vegetation datasets
- Develop monitoring approaches aligned with WCC and PC frameworks
- Work with project developers to ensure usability in practice
- Collaborate with internal team and external experts
- Communicate findings clearly across stakeholders

Person Specification

Essential

- PhD in Environmental Science, Soil Science, Ecology, Hydrology or a related discipline
- Strong understanding of soil carbon processes and ecosystem dynamics
- Experience analysing environmental datasets and applying statistical methods
- Ability to interpret results critically, including uncertainty and limitations
- Strong written and verbal communication skills
- Ability to work both independently and collaboratively within a team

Desirable

- Experience with soil carbon modelling or carbon dynamics
- Experience with peatland, woodland, or afforested systems
- Familiarity with Woodland Carbon Code or other carbon accounting / MRV frameworks
- Experience working with Earth observation / remote sensing
- Experience working with spatial data (e.g. GIS)
- Experience translating research into applied or operational outputs.
- Full UK driving license