

JOB OFFER

GIS & Remote sensing expert in Forestry



The company

Forest specialist, Reforest'Action is a B Corp certified company whose mission is to preserve, restore and create forests around the world, in response to the climate emergency and the erosion of biodiversity. To do this, Reforest'Action selects forestry projects, supports them and ensures their quality in order to develop their multifunctionality in the long term. Since its creation in 2010, Reforest'Action has financed more than 23 million trees in 43 countries thanks to the contribution of 3,000 companies and 400,000 citizens. In 2021, Reforest'Action has been recognized as partner of the United Nations Decade on ecosystem restoration, as an Actor. More information on www.reforestaction.com/en.

To ensure multifunctionality of over 1000 projects over 30 years, Reforest'action is committed to monitor their implementation and assessing their impact over this period. This is crucial to guarantee the existence and sustainability of these projects. Remote sensing plays a key role in monitoring projects in the long-term.

In the meantime, to reach the goal of 1 billion trees planted in the next 10 years, Reforest'Action is linking its activities to the Voluntary Carbon Market. The VCM is a market-based mechanism designed to reap the low-hanging fruits of climate change mitigation. Remote sensing, spatial analysis and mapping are required to comply with the standards in term of project management.

• Job description (full time)

Reforest'Action is developing an information system to support its activities and monitor its projects. In this context, we are looking for a GIS & remote sensing expert, specialized in forestry.

The first main mission is to support the implementation of remote sensing-based forest monitoring and geospatial data management in the context of our information system. The second main mission is to conduct remote sensing analysis, spatial analysis, and mapping in the context of projects development and certification.

Work location: remote or France, preferably able to travel to France on monthly basis

Job type: Full-time consulting

Main missions and responsibilities

- **MISSION 1: Contribution to geospatial data management and development of long-term monitoring processes relying on remote sensing**
 - Develop processes and tools to enable the geospatial analysis of our projects and their impacts
 - Contribute to the validation of remote sensing analysis by developing field sampling strategy and validation protocols, selecting pilot projects and participating to the field missions
 - Perform technological and the scientific watch on remote sensing-based forest monitoring
- **MISSION 2: Mapping and spatial analysis in the context of projects development and certification**
 - Participate to projects selection, qualification, and certification by providing and analyzing specific maps, and by performing spatial and remote sensing data analysis
 - Develop protocols and train the local partners to ensure proper spatial data acquisition
 - Participate to QA/QC on land eligibility assessment and on GIS management

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Education and Work experience requirements

- Educational background: Minimum MSc. in bioengineering, ecology, forestry, environmental science or geography/remote sensing with a focus in forestry, agroforestry, restoration ecology
- Minimum 6 month-practical experience in remote sensing, mapping, spatial analysis
- Knowledge in statistical analysis and modeling using R and Python
- Experience with field forest monitoring is a plus
- Experience with carbon certification programs, for voluntary carbon markets (e.g. Gold Standard and VCS) is a plus

Profile

- Passionate by nature and ecology, excellent general understanding of forest and ecosystem restoration
- Comfortable with working independently, as well as working in a team
- Strong research and analytical skills
- Proactive, result-oriented, and flexible in a context of fast changes
- Curiosity, ability to learn fast and to deliver on topics recently learnt
- Fluency in English (C1) is mandatory, French is an asset

Contact

You want to do something for the planet? Join Reforest'Action and help change the world protecting and restoring forests! Send your CV and cover letter to: recrutement@reforestaction.com