

Data Scientist

WeForest asbl/vzw (non-profit)

Position based Europe remotely or Office in Brussels

Full-time contract

CONTEXT

WeForest is an international non-profit association headquartered in Belgium and with current projects in Brazil, Ethiopia, India, Tanzania, and Zambia. Its mission is to advance innovative, scalable and lasting solutions to restore forest and landscapes for the climate, the people and the planet.

Our aim is to demonstrate, through the restoration of entire regions, that well-planned reforestation can be the solution to today's biggest challenge: climate change. We promote Forest and Landscape Restoration best practices and have created a movement, engaging international brands and their millions of customers to act.

Our activities are expanding at a fast pace and to develop capacity we are urgently looking for a Geospatial Data Scientist. The position reports to the Director of Science & Policy and works in close collaboration with the Director of Global Programs.

JOB PURPOSE

The Geospatial Data Scientist role will primarily focus on providing the technical skills and expertise necessary to support the growth and development of WeForest's project portfolio. Specifically, the position is required to provide high quality geospatial analyses to support project feasibility studies, project certification and monitoring & evaluation (M&E) of all projects.

Under the leadership of our Director of Climate Science & Policy, this position interacts closely with the country project teams at WeForest

MAIN RESPONSIBILITIES

- Undertaking GIS and remote sensing tasks in support of project feasibility studies, certification development (e.g. carbon certification) and project implementation.
- Analysis of quantitative and/or qualitative datasets to support project and HQ level M&E and reporting
- Ensure the cleanliness and accuracy of WeForest Geodata to support mapping processes.
- Coordinate with M&E Manager to review and organise existing data holdings
- Coach and develop capacities of the projects' teams on monitoring, evaluation and reporting
- Aggregate data from the different project teams on a regular basis
- Assist them in their methodology to collect and analyze data
- Coordinate with M&E Manager to develop and provide training in GIS, remote sensing and other data analysis methods to build in-house and partner capacity
- Ensure the teams follow data storage guidelines
- Check and contribute to improve data quality with project teams

REQUIRED SKILLS & QUALIFICATIONS

- Graduated professional (Masters minimum) in a relevant field e.g. environmental sciences, geography, earth observation and geographical information science
- Good technical skills and knowledge of tools for data collection and data analysis (e.g. Kobo Collect, Google Earth Engine, JavaScript, QGIS, R)
- Strong GIS and remote sensing skills demonstrated in the field of land use change dynamics e.g. land cover classification, cover change.
- Demonstrated experience of analyzing complex datasets from the biophysical sciences e.g. forest inventory datasets
- Advanced knowledge of using GIS software, preferably QGIS (Essential)
- Advanced knowledge of using Microsoft Excel (Essential)

- Experience of using advanced statistical software for data analysis e.g. R
- Knowledge in Carbon accounting methodologies expertise is a plus
- Strong interpersonal and communication skills, clearly a team player
- Fluent spoken and written English. Other languages (French, Spanish, Portuguese or some Asian languages) are a big plus
- Flexibility to travel regularly

HOW TO APPLY

Please send applications in English to recruitment@weforest.org with your CV, a motivation letter and the contact of 2 recent references by January 31st, 2021. Due to the anticipated high number of applicants, only shortlisted candidates will be contacted for an interview. We thank you in advance for your interest.