

GIS & REMOTE SENSING MANAGER, GHANA

ABOUT US

We are a global company applying our successful model of landscape restoration to contribute to three of the world's most critical environmental problems: the need for effective solutions to mitigate global climate change; holistic restoration of the world's most degraded landscapes; and a growing population that requires sustainable alternatives for consumer products and markets that still contribute to deforestation and deforestation driven emissions. We have spent the last decade building the framework for bamboo to be a solution to achieve this through carbon financed bamboo farms in Nicaragua, South Africa, Ghana, Rwanda and the Philippines.

Our Ghana based operations are currently implementing two carbon reforestation projects within the North Bandai and Bandai Hills Forest Reserve in the Ashanti Region, registered under the Verified Carbon Standard. The 11,000 hectares under management represents approximately 5,500 ha of bamboo being integrated within remnant trees and conservation areas, and an equal area of reforestation of native species. Since 2021, 3,150 ha have been successfully planted with the remaining area to be planted by 2025.

The projects are in a phase of expansion, with new reforestation areas and activities being added into our 2024 and 2025 operational plans, as well as the projects heading towards their first carbon verification event. At the same time, fire represents the most significant risk of these operations, and remote sensing tools play a valuable role in guiding the project's operational teams on fire management activities.

EcoPlanet is seeking an experienced and qualified GIS & Remote Sensing expert for a fixed term 12 month extendable to 24 month contract, to be field based within our field headquarters in the Agogo Region of Ghana. This position will take the lead on all monitoring, reporting and verification activities, as well as undertake training of the current GIS and planning teams, in order to refine and streamline the gathering of monitoring data with on time maps reflecting both operational achievements, and the results of carbon monitoring.

Location: EcoPlanet's Field Headquarters Ashanti, Ghana

RESPONSIBILITIES

Responsibilities include but are not limited to:

- Carry out historical and current land use mapping to determine eligibility of new project areas;
- Analyze the multitude of new technologies targeted towards carbon reforestation projects on the market and determine applicability to the project's current and changing context;
- Undertake annual NDVI analysis to visually portray the changes in the project landscape over time;
- Develop and maintain reforestation maps and data on ArcGIS, Dropbox and/or other data management systems;
- Develop mapping and monitoring systems for the spatial management of weekly activities

- against operational plans, and communicate progress throughout the organization;
- Track information from different activities and provide spatial analysis of operational needs from activity planning to implementation to monitoring operational achievements.
 - Develop in house tools for the remote sensing of fire during fire season and work with operational managers to implement activities based on such spatial data;
 - Oversee spatial monitoring data, including generating randomized weekly data points to assess field operations.
 - Undertake mapping requirements for carbon monitoring and verification event;
 - Analyze potential new areas for project development against certification standard eligibility requirements;
 - Train and mentor existing teams towards the scaling GIS, mapping and monitoring needs of the project;
 - Perform other tasks as may be required;

Qualifications:

- Bachelors in GIS & Remote Sensing plus minimum 8 years of relevant experience;
- Experience in current Earth Observation tools, technologies and best practice;
- Experience setting up and managing databases;
- Ability to work under pressure and meet deadlines;
- Ability to work with a low level of supervision and as a part of a team when required;
- Meticulous attention to detail;
- Willingness to be in the field rain or shine;
- Drone pilot skills and experience;
- Excellent written and spoken English.

TO APPLY

Interested candidates should email a cover letter expressing their interest in the position and how their background meets the requirements of the role as well as a CV to Samantha Wilde at swilde@ecoplanetbamboo.com. Candidates will be reviewed on a rolling basis until the position is filled.