

Consultancy - Geographic Information System (GIS) Specialist

About Us

EcoSecurities is an impact environmental service provider with 25 years of experience in carbon markets and emission reduction projects around the world. At EcoSecurities, we are committed to developing high-quality carbon projects based on the principles of environmental integrity, transparency and good practices, which contribute not only to climate change mitigation, but also to sustainable and inclusive development.

EcoSecurities structures carbon projects from Nature-Based Solutions (NbS), such as forest conservation (REDD+), reforestation, agriculture, blue carbon and energy related projects. We provide tailor-made services for the origination, development and financing of these projects.

Consultancy Context

EcoSecurities is rapidly growing its projects portfolio, therefore we are structuring a database with capacitated professionals to support the company in a variety of activities related to the implementation of its portfolio.

We are asking for professionals, interested in collaborating with us, to send the information requested in the “Application Process” session below, so we can include it in our database and contact the professional in a speedier way, when the opportunities arise to request then, a tailored-made proposal for it.

The Consultant hired would support the company in the development of Land Management Projects, performing data capture and analysis in GIS environment required for carbon project certification standards, such as prioritization analyses, similarity analyses, natural risk assessments, suitability analysis, land cover historical assessments, stratification maps, deforestation risk maps, etc.

Consultancy activities

Consultancy activities would include, but are not limited to:

- 1) Developing and maintaining GIS databases updated
- 2) Creating maps and other visual representations of data.
- 3) Integrating GIS data with other technologies and systems.

- 4) Conducting spatial analysis and modeling (deforestation projections and monitoring, area stratification according to LULC classification, changes in carbon stocks, similarity between areas, grazing intensity analyses, multi-criteria analyses.
- 5) Preparing written and graphic reports (flowcharts) of GIS procedures carried out.
- 6) Participating in projects technical meetings.

About you

- Bachelor's and/or Master's degree on Geography, Geospatial Science, Environmental Engineering, Environmental Management, Ecology or related areas.
- Proficiency in GIS software (e.g., ArcGIS, QGIS)
- Experience with spatial analysis, database management, digital image processing (DIP) and Google spatial analysis tools (GEE).
- Programming in Python for Scripts.
- Expertise in data extraction and analysis of the main public databases relevant to the Brazilian territory (IBGE, INPE, CAR, SIGEF, MMA, etc).
- Desirable knowledge in:
 - ✓ Principles and concepts of the main carbon project standards (Verra, CCB, Gold Standard, CDM, etc).
 - ✓ Knowledge about current environmental legislation.
 - ✓ Verra's methodologies (VM0007, VM0042, VM0047, VM0048, VMD0006, VMD0009, VMD0015, VMD0016, VMD0055, VT0007).

Skills and competences:

- Strong analytical and statistical skills
- Ability to identify issues and suggest solutions
- Attention to detail: ensuring accuracy in data collection, analysis, and reporting.
- Ability to work independently and collaboratively with a team
- Proficiency in English is required.

Application Process

E-mail to ana.garrido@ecosecurities.com by October 31st, containing:

- CV or portfolio
- Contact information of three references
- Usual consultancy fee per hour or per service/activity



Please include “Consultancy - Geographic Information System (GIS) Specialist” in the e-mail subject.

EcoSecurities is an equal opportunity employer and complies with all employment and labour laws and regulations that prohibit discrimination in hiring and ensures that candidates from all backgrounds are fairly and consistently considered during the recruitment process.