

Senior Research Associate - GIS - Climate Action

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Company: CIAT

Location: Palmira

Category: life-physical-and-social-science

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About the position: The Climate Action Lever is currently seeking a professional in the field of Geographic Information Systems (GIS). The selected candidate will be responsible for supporting and enhancing the spatial analysis capabilities of the Climate Security team.

This team is dedicated to understanding the interaction between climate, environment, and security. It focuses on the factors and origins that contribute to food insecurity in regions facing climate-related challenges. The main objective of this position is to conduct geospatial analysis, map visualization, and data management to support the team in expanding the Climate Security Observatory to Honduras. Additionally, it aims to contribute to the identification and analysis of spatial patterns related to climate impacts on food security and displacement, assisting the team in extracting insights to inform policies and interventions. The position will be based in the operations center of the Americas, located in the Campus of Palmira, Colombia.

Responsibilities:

- Conduct geospatial analysis to identify and assess areas vulnerable to climate-induced food insecurity, fragility, and conflict.
- Develop spatial models and simulations to assess the impact of climate-related variables on food security, conflict, and displacement in Honduras.
- Create and maintain GIS databases, ensuring accuracy, relevance, and accessibility of spatial

data.

- Conduct research to locate and obtain existing data, thematic layers, and grid data including maps of land cover, climate, socioeconomic data, conflict, terrain information, etc.
- Produce high-quality maps and visualizations to communicate complex spatial information effectively.
- Collaborate with the Climate Security Team to integrate GIS outputs into the Climate Security Observatory (CSO).
- Provide technical support in utilizing GIS tools and software to team members.
- Contribute to the backend development to help integrate outputs into the GIS platform/tool with clean, well-documented code that utilizes APIs to pull in different types of spatial and temporal data and perform operations on the data layers to produce new ones such as risk heat maps, etc.
- Propose or adapt existing tools or applications which may suit this requirement.

Qualifications and requirements:

- Bachelor's degree in geography, topography, agronomical or agroforestry engineering, or related fields.
- Master's degree, specialization, or training courses in GIS, geography, geoinformatics, physical science involving advanced coding and geospatial analysis, or similar.
- Minimum 4 years of relevant work experience.
- Experience working with ArcGIS, R, Python, QGIS, or similar tools.
- Advanced experience/knowledge in Spatial Data.
- Advanced English level (oral and written).

Competences:

- Excellent problem-solving skills and work planning.
- Ability to work in a collaborative team environment.
- Strong drive to learn new topics and skills seeing research and ideas as positive impact on practice.
- Ability to communicate complex ideas effectively (oral and written).

Terms of employment :

This is a national recruited position placed at a BG07, on a scale of 14 levels, with level 14 being the highest. This is a Colombian national search and will be managed through a fixed-term contract of a one (1) year period, subject to a probation period according to the local legislation and is renewable depending on performance and availability of resources. The

Alliance Bioversity-CIAT offers a multicultural, collegial research environment with competitive salaries and excellent benefits. We are an equal opportunity employer, and strive for gender, diversity, and inclusion in our staff, without regard to race, color, religion, gender, gender identity, sexual orientation, national origin, ethnicity, age, disability, marital status, or any other characteristic.

Applications:

Applicants are invited to send a detailed curriculum vitae, including references knowledgeable about the candidate's professional qualifications and work experience. All correspondence should be addressed to the Human Resources Office, at (*.*****@*****.***) and clearly indicate: "Application: Senior Research Associate - GIS". Closing date for applications: April 21st, 2024

GIS

Researcher GIS

Professional Senior

1886137444

#J-18808-Ljbffr

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