Geospatial analyst (Climate and Agriculture)

Level: Entry level for postgraduates

Position Overview:

The Geospatial Analyst will support research and analysis in various projects requiring expertise in handling large-scale datasets (climate, remote sensing), as well as data interpretation and visualization. This role requires proficiency in data analysis and geospatial technologies and a keen understanding of environmental and agricultural applications.

Job keywords: Climate Risk analysis, Crop Insurance, Index development

Key Responsibilities:

- Collect, process, and analyze geospatial data from various sources, including satellite remote sensing and climate data platforms, to develop crop insurance indices
- Apply spatial analysis techniques (e.g., spatial interpolation, zonal statistics, spatial modeling) to generate insights on agricultural risks from large geospatial datasets.
- Prepare comprehensive reports, maps, and presentations summarizing key findings and insights from interpretation and analysis.
- Collaborate with stakeholders to understand research objectives and deliver customized visualizations that meet project needs.

Required Qualifications:

- Master's degree in Geography, Environmental Science, Remote Sensing, GIS, Data Science, agricultural engineering, agricultural science, or a related field
- Experience with programming languages such as Python or R for geospatial analysis and automation of workflows.
- Excellent problem-solving skills and attention to detail, with a demonstrated ability to handle complex datasets and analytical tasks.
- Excellent communication skills

Desired Qualification:

- Develop and maintain interactive dashboards and visualizations (i.e., via Tableau) to communicate analytical results effectively.
- Work experience with GIS software is a plus

What we offer:

- Opportunity to work on interdisciplinary projects impacting sustainability, agriculture, and socio-economic development.
- Excellent exposure and growth opportunities for early career researchers through our various stakeholders

How to Apply:

Please submit your CV highlighting your technical skills and professional experience, along with a cover letter, to the email address: vacancies@eleaf.com

For more information (no applications), don't hesitate to get in touch with Ponraj Arumugam at ponraj.arumugam@eleaf.com