The Alliance of Bioversity International and CIAT

Recruiting for GIS Analyst

The Organization
The Alliance of Bioversity International and the International Center for Tropical Agriculture (CIAT) – a member of the CGIAR Consortium (www.cgiar.org) – delivers research-based solutions that harness agricultural biodiversity and sustainably transform food systems to improve people’s lives in a climate crisis (https://alliancebioversityciat.org). The Alliance focuses on the nexus of agriculture, nutrition and environment, working with local, national, and multinational partners across Africa, Asia, Latin America and the Caribbean, and with the public and private sectors and civil society. With novel partnerships, the Alliance generates evidence and mainstreams innovations to transform food systems and landscapes so that they sustain the planet, drive prosperity, and nourish people.

The Alliance is a new venture created to turn food and agriculture systems around to be more sustainable healthy, and inclusive. Combining the experience and strengths of the two organizations – including gene-banks, use and conservation of agrobiodiversity, climate-smart and digital agriculture, nutrition, and participatory research – will help the Alliance lead the way on six key Levers of change: (1) food environment and consumer behavior, (2) multifunctional landscapes, (3) climate action, (4) biodiversity for food and agriculture, (5) digital inclusion, and (6) crops for nutrition and health. These are all the pressure points where the Alliance can play a catalytic role with interventions that can trigger multiplier effects for positive change.

Position summary:
The Alliance is seeking to recruit a GIS Analyst who will be responsible for GIS mapping, spatial analysis and tool development in different projects for the Climate Action Lever in Africa. He will also be required to work very closely with other scientists within the Lever under the leadership of the supervisor depending on the specific projects(s). The desired candidate is innovative, dynamic professional able to work independently with minimal supervision, but also participate as a team member in accomplishment of duties.

Main duties and responsibilities include:
- Development and implementation of automation models and scripts to support spatial scientific research
- Develop custom spatial analysis workflows
- Develop and test desktop, mobile, server, and cloud-based GIS applications
- Write comprehensive custom application technical specifications and support documentation
- Collect supporting data, such as climatic or field survey data to corroborate GIS/remote sensing data analyses.
- Develop maps, charts, graphs, tables, dashboards, story maps, and other visualizations for use in presentations and publications.
- Constantly researches and prototypes new technologies for existing or planned solutions
- GIS database management
- Any other duties as may be assigned by the supervisor.
The candidate shall have the following competencies, skills and experience:

- BSc or higher degree in interdisciplinary programs related to agriculture, environment, GIS, or other relevant field, with a focus and/or proven interest in rural development and climate change topics.
- Minimum 3 years of relevant work experience.
- Proven ability of operating with commercial and open source web-based mapping technologies (Google Earth/Maps API, Esri ArcGIS Server, Open Layers, Leaflet and its advanced analysis and modelling packages/functions.
- Ability to work with map servers will be an added advantage
- Organizational skills in order to assure quality data and traceable workflow
- Excellent English communication skills, both written and oral, for diverse audiences including technical specialists and decision/policymakers.
- Excellent Microsoft Office skills, including Word, Power Point and Excel.
- Programming in Python or R etc. desired

Terms of employment:
This is a nationally recruited position based in Nairobi (Kenya). The initial contract will be for one (1) year, subject to a probation period of three (3) months, and is renewable depending on performance and availability of resources. The Alliance offers a multicultural, collegial research environment with competitive salary and excellent benefits. The Alliance is an equal opportunity employer, and strives for staff diversity in gender and nationality.

How to apply:
Applicants are invited to visit http://ciat.cgiar.org/ciat-jobs to get full details of the position and to submit their applications. Applications MUST include reference number Ref: CL-2857-GIS Analyst as the position applied for. Applications should be saved as one document using the candidate’s last name, first name for ease of sorting.

The Alliance does not charge a fee at any stage of the recruitment process (application, interview meeting, processing or training). The Alliance also does not concern itself with information on applicants' bank accounts.

Applications closing date: 7th May 2021

Please note that email applications will not be considered.

Only shortlisted candidates will be contacted.