



VISITING RESEARCHER – LAND COVER MAPPING (GIS)

The Organization

The Alliance of Bioversity International and the International Center for Tropical Agriculture (CIAT) delivers research-based solutions that harness agricultural biodiversity and sustainably transform food systems to improve people's lives. Alliance solutions address the global crises of malnutrition, climate change, biodiversity loss, and environmental degradation.

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 in a climate crisis.

The Alliance is part of CGIAR, a global research partnership for a food-secure future.

About the positions

The Land Cover Mapping Visiting Researcher will assist the creation of land cover maps for projects across the tropics. The key target crops will include coffee, cocoa, and other tree crops. The land cover maps are a central part of a broader effort to develop systems and services to support decision making across a range of both NGO and industry users.

The Visiting Researcher will work as part of a remote sensing team to extend and improve a crop location database. The locations are obtained through interpretation of high-resolution satellite imagery. The Land Cover Mapping Visiting Researcher will learn new skills related to documenting and streamlining locations acquisition methodologies and validation of different land cover maps.

Location: Hanoi, Vietnam

Terms of Appointment: 6-month Visiting Researcher Fellowship, with the possibility to convert to an employee contract dependent on interest and performance. (Up to 2 Visiting Researcher Positions are available)

Key Responsibilities

- Gather and digitalize land cover location datasets based on high resolution imagery in combination with commodity maps
- Review and improve the data gathering and pre-processing used to train land cover classification models using neural networks
- Support to summary the document of data gathering methodology
- Conduct literature review as needed to support to identify key features as needed relating to land cover categories.



Bioversity International and the International Center for Tropical Agriculture (CIAT) are part of CGIAR, a global research partnership for a food-secure future.

Bioversity International is the operating name of the International Plant Genetic Resources Institute (IPGRI).

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Qualifications and Requirements

- Fresh University graduate with BSc or MSc degree in related field of study (must have been out of school for no longer than 6 months at the time of applying)
- Basic knowledge of QGIS or ArcGIS
- Strong desire to learn and acquire new skills is required
- Team player who thrives in a collaborative and dynamic workplace
- Basic English communication skills (speaking, reading and writing) is required
- Self-motivated, detail-oriented and organized critical thinker with an ability to work under tight deadlines
- Available to start in May 2021

Applications

To be considered for this Visiting Researcher Fellowship, please send an email to p.luong@cgiar.org with the subject line “Land Cover Mapping Visiting Researcher”. In your email, please include:

- 1) A cover letter illustrating your motivation to apply and suitability for the above position against the listed qualifications and work responsibilities, and;
- 2) A detailed curriculum vitae, including the names and email addresses of three academic or professional referees who have worked with you and are knowledgeable about your skills and professional abilities.

Rolling application deadline. We will close the position as soon as the desired candidate is identified and no later than April 30, 2021.

We invite you to learn more about us at:

<https://alliancebioversityciat.org/> ; <https://annualreport2019.alliancebioversityciat.org/>

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