



Postdoctoral Researcher

Forage-Based Livestock Production Systems Analysis

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.

About the position

The Crops for Nutrition and Health lever of the Alliance of Bioversity International and CIAT is seeking to recruit a Postdoctoral Systems Analyst to support the Tropical Forages team in Asia. The desired candidate is an innovative, dynamic professional able to work independently with minimal supervision, but also to participate as a team member in accomplishment of duties. They need a deep understanding of smallholder livestock production systems in South-East Asia and strong technical skills in quantitative modeling approaches and tools.

Key Responsibilities

- Design and oversee on-station and on-farm agronomic experiments and data collection
- Collect biophysical data such as soil, climate, topography etc. and integrate with agronomic and socio-economic data for further analysis
- Design, implement and maintain databases storing farming system and environmental data



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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alliancebioversityciat.org/
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- Apply bio-economic and biophysical models to identify best-bet forage technologies across household and landscape level
- Adapt and apply farm- and landscape-level statistical and trade-off analyses tools
- Capacity building of partners in farming systems analysis tools and approaches
- Write-up and publish research results
- Communicate research results and practical implications to a variety of stakeholders

Qualifications and requirements:

- PhD degree related to agriculture, environment, ecology, natural resource management and/or related fields or MSc degree with a minimum of 3 years work experience
- Good understanding of forage-based livestock production systems in South-East Asia
- Experience with participatory co-design approaches of mixed farming systems
- Experience in setting up and monitoring field trials and working with farmers
- Strong technical skills in quantitative household-level modeling, programming and data analysis, preferably including R programming
- GIS mapping and spatial analysis skills are added advantage
- Experience with training and capacity building
- Excellent English communication skills, both written and oral, for diverse audiences including scientists and decision/policymakers
- Proven experience in writing various publications including peer-reviewed journal papers
- Organizational skills to assure quality data and modeling and traceable workflow and timely delivery
- Ability to work with various researchers across teams, regions and projects
- Willingness to travel to remote locations for field work

Terms of employment

This is an internationally recruited post-doctoral position and will be based in Vientiane (Laos) but will involve regular travel to other South-East Asian countries. The initial contract will be for up to two (2) years, subject to a probation period of three (3) months and is renewable depending on performance and availability of resources. This position is graded at level BG08 in a scale of 14 levels, BG14 being the highest level.

The Alliance of Bioversity and CIAT offers a multicultural, collegial research environment with competitive salary 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.

Alliance



Applications

Please apply online through the website (<https://www.bioversityinternational.org/jobs/>) not later than **12th September 2022**, attaching a cover letter illustrating your suitability for the above position against the listed qualifications, competencies, skills together with a detailed curriculum vitae, including names and contact information of three referees knowledgeable about your professional qualifications and work experience. Both documents in English. Please note that only shortlisted candidates will be contacted.

Closing date for applications: 12th September 2022

Please note that email applications will not be considered

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We invite you to learn more about us at: <http://alliancebioiversityciat.org>

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