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HUMANITAIRES

SCIENTIFIC OFFICER – REMOTE SENSING

Scientific Officer - Resilient Farm & Food Systems

Skill: Remote Sensing – Location: Niamey, Niger – Duration: 2 years

JOB CODERA22_0175

APPLY BY EMAIL: icrisatsc@cgiar.org

Overview

ICRISAT has a compelling mission to fight poverty and improve the lives of people living in the semi-arid regions around the world. The semi-arid tropics are harsh environments with some of the highest levels of poverty and malnutrition, impacted strongly by climate change and battling water shortages and environmental degradation. The UN Sustainable Development Goals (SDGs) cannot be met unless we are

persistent in escalating efforts towards finding solutions in these most challenged landscapes.

This is an exceptional opportunity to become a part of a modern and innovative agricultural research organization. ICRISAT is embarking on an ambitious new initiative to develop new and innovative funding models that will reach out to a wider portfolio of donors and investors, and to cultivate, engage in and build diverse and enduring strategic relationships with the private sector, foundations, governments and high-net worth individuals, among others.

The International Crops Research Institute for the Semi-Arid-Tropics (ICRISAT) is seeking applications for a Scientific Officer – Remote Sensing to support the conception and operational deployment of EO services in West Africa, in partnership with public and private partners. These activities are undertaken as part of the SERVIR initiative in West Africa (SERVIR WA phase 2: 2022-2027). The Scientific Officer's work location will be in Niamey, Niger and s/he will be reporting to the SERVIR West Africa Science and Data Lead at ICRISAT.

Primary Responsibilities:

- Help deploy and improve EO workflows, particularly in technical aspects of data procurement, curation, pre-processing, post-processing, uncertainty estimation, interoperability and quality of service
- Analyze and understand different types of remote sensing data needed for different types of services, and enhance capacity in the use of artificial intelligence, machine learning, cloud resources and incorporation of innovations and emergent promising methodologies in service workflows
- Ensure compliance with open science and open data principles, and scientific rigor in the development of EO-based services
- Facilitate interactions between regional partners and the NASA Science Coordination Office (SCO) and Applied Sciences Team (AST), and the provision of subject matter expertise (SME) for science and data aspects of service development
- Assist the project team in communicating SERVIR West Africa research results within ICRISAT, CGIAR, NASA and to external audiences, including the preparation of peer-reviewed and public awareness material

How to apply:

If this position interests you, please follow the below instructions to apply.

Applicants should apply on or before May 12, 2022, with latest Curriculum Vitae, a motivation letter stating the date of availability of the candidate and the names and contact information of three references that are knowledgeable about their professional qualifications and work experience. All applications will be acknowledged. However, only short-listed candidates will be contacted.

ICRISAT is an equal opportunity employer and is committed to increasing diversity and maintaining a progressive and inclusive workplace. We welcome applications from all qualified candidates regardless of their ethnicity, race, gender, religious beliefs, sexual orientation, age, marital status or whether they have a disability.

Key Skills

- Strong computational capability (working knowledge of Artificial Intelligence, Machine Learning, Cloud computing),
- Bilingual in English and French (good verbal and written communication skills required in both languages),
- Strong social and inter-personal skills, and a results-oriented personality

Additional/Preferred Skills

- Experience with Quality of Service (QoS), Open Science and Open Data principles, and West Africa an advantage,
- Interest and ability to work in multi-disciplinary and multi-cultural teams

Preferred Qualifications

- MSc in applied mathematics, computer science, remote sensing, or agricultural/environmental sciences

Why ICRISAT?

ICRISAT offers a rewarding career opportunity in dryland agricultural research to have a lasting impact on millions of lives and communities. The state-of-the-art research infrastructure with high performance culture, ICRISAT provides global exposure and learning. For more details, visit www.icrisat.org (https://www.icrisat.org/)

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