

Join CIFOR-ICRAF and make a difference!



Remote Sensing and GIS Officer (Ref. No. 2401) Indonesia Country Program

The Center for International Forestry Research (CIFOR) and World Agroforestry (ICRAF) envision a more equitable world where trees in all landscapes, from drylands to the humid tropics, enhance the environment and well-being for all. CIFOR and ICRAF are non-profit science institutions that build and apply evidence to today's most pressing challenges, including energy insecurity and the climate and biodiversity crises. Over a combined total of 65 years, we have built vast knowledge on forests and trees outside of forests in agricultural landscapes (agroforestry). Using a multidisciplinary approach, we seek to improve lives and to protect and restore ecosystems. Our work focuses on innovative research, partnering for impact, and engaging with stakeholders on policies and practices to benefit people and the planet. Founded in 1993 and 1978, CIFOR and ICRAF are members of CGIAR, a global research partnership for a food secure future dedicated to reducing poverty, enhancing food and nutrition security, and improving natural resources.

CIFOR-ICRAF is looking for a:
Remote Sensing and GIS Officer

Overview

The Remote Sensing and GIS Officer works in a range of remote sensing and GIS works. The Remote Sensing and GIS Officer to conduct research related to landscape analysis, planning, monitoring, and evaluation using remote sensing and GIS tools, including land cover mapping in macro, medium, and micro scale, the field data collection including GPS, FGD, UAV/drone mapping, and other approaches. The Remote Sensing and GIS Officer is responsible for the specific key output of the project and research activities and develops a chapter of the research report. The Remote Sensing and GIS Officer works closely with a team of multidisciplinary scientists. The Remote Sensing and GIS Officer as a leader of maps producer and GIS analysis, but also has to contribute significantly to developing spatial database applications. As the output leader, the Remote Sensing and GIS Officer is responsible for remote sensing data and spatial analysis and advises and recommends to other researchers such as proposal development.

Summary of responsibilities

Research

1. Develop a methodology for Remote Sensing and GIS/Spatial Analysis work for a specific output of the research activities.
2. Provide analysis of remote sensing data through satellite image interpretation pre-processing, classification, and post-classification analysis for several areas in Indonesia and other countries using updated approach and methodology.
3. Provide overall geospatial data processing (GIS processing) including integration with non-spatial (tabular) data especially research conducted by CIFOR-ICRAF Indonesia.
4. Lead the capacity strengthening process on relevant remote sensing/GIS topics for partners, beneficiaries, and internal requests.
5. Develop methodology and procedure for primary geospatial data collection e.g., ground checking, GPS data collection, drone utilization, and others.

6. Presenting data and research results in an informative and creative manner, especially in cartographic works and many forums within and outside the country.
7. Contribute to a geospatial database, metadata input and management and organize storage for non-digital data (CD/DVD, etc.).
8. Lead of maintaining published and public domain relevant data, developing network with government agencies and NGOs that produce remote sensing and GIS data.

Administrative and Research Management

9. Contribute to report production and other documentation or publication forms.
10. Contribute to maintenance of mapping tools and equipment i.e.: GPS handheld, Drone package, Camera, etc.
11. Performing other related activities that may arise from time to time in support of ICRAF's mandate including some administrative supports.

Other Responsibilities

- Identify and mitigate potential risks within your work area.
- Take reasonable care of own occupational health and safety and that of others as obliged by CIFOR-ICRAF's Occupational Health and Safety Policy and cooperate with CIFOR-ICRAF in complying with requirements under any statutory health and safety provisions of relevant Country laws.
- Participate in (insert team as appropriate) projects as may be required.

Requirements

Education, knowledge, and experience:

- Minimum Academic and Professional Qualifications: BSc in Remote Sensing, Geography, Geodesy, Forestry, Agriculture, Environmental Science, Biology, Technics, and any related and similar discipline.
- Minimum 3 years of working experience in geospatial data acquisition/collection, analysis, and management for scientific work.

Personal attributes and competencies:

- Advance level of using remote sensing software such ECOGNITION/ERDAS/ENVI/PCI/GEE/others.
- Good command of GIS software such as ArcGIS/QGIS/SAGA/other and Programming (e.g. R, Python, Java, C++ others)
- Sufficient knowledge of landscape management, forestry and agriculture issues and topics.
- Database system literate (e.g., GeoNode, PostgreSQL/PostGIS, GeoServer, Django framework).
- Computer literate (Word, Excel, Power Point, Outlook, or any office application).
- Basic administrative and documentation skills.
- Strong character, multitasking person who is able to work under pressure.
- Well organized; able to meet deadlines, good understanding of time management.
- Proactive and self-motivated, able to work independently as well as in a team.
- Good interpersonal skills and ability to work well in multi-cultural teams.
- Good knowledge of communication (Indonesian and English).
- Demonstrated effective written and verbal communication skills (Indonesian and English).
- Willing to learn new skills/knowledge related to the scope/content of the specific projects.
- Generates creative, practical approaches to overcome challenging situations.
- Willing to receive feedback from others.
- Has a vision to develop the organization and an intention of continuous improvement.

Terms and conditions

- This is a local position. CIFOR-ICRAF offers competitive remuneration in local currency commensurate with skills and experience.
- The initial appointment will be for 1 (one) year, with the possibility of extension contingent upon performance, continued relevance of the position and available resources.
- The duty station will be in Bogor, Indonesia.

Application process

- The application deadline is 15 April 2024.
- We will acknowledge all applications but will only contact short-listed candidates.

To apply, please visit our career site at:

<https://www.cifor-icraf.org/about/work-with-us/>

To learn more about CIFOR-ICRAF, please visit our websites at:

<https://www.cifor-icraf.org>

CIFOR-ICRAF promotes Gender Diversity – Applications from women professionals are encouraged.

CIFOR-ICRAF is an equal opportunity employer. It fosters a multicultural work environment that values gender equality, teamwork, and respect for diversity.