Join CIFOR-ICRAF and make a difference!

Natural Resource Management Tool Development Assistant (Ref. No. 2351)
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:

Natural Resource Management Tool Development Assistant

Overview

Under the guidance and supervision of the Green Growth Planning and Policy Specialist/Research Group 2 Leader, the NRM Tool Development Assistant will work to facilitate a team of ecologists, land use planning specialists, economists, modelers, and social scientists to improve and further develop specific modules and user interface of LUMENS, M&E, and other related tools. He/she will assist NRM Tool Programmer to build, test, and document the process of tools development, under close collaboration with relevant scientists and other potential users. NRM Tool Development Assistant also facilitates the application of the tools using appropriate data and information in project sites.

Summary of responsibilities

1. To Support further improve LUMENS by facilitating the programmer in developing the algorithm and computer program for specific modules within LUMENS. This will include but not be limited to:
   - Provide feedback on refining automated report generation routines for fire-risk and commodity suitability modeling sub-modules and integrate the sub-modules into LUMENS’ module.
   - Support in documenting analytical study to assess the performance of machine learning approaches (i.e., Maxent, CNN, and Random Forest) in modeling land-based commodity suitability and wildfire risk.
   - Assist the developer in building post-processing frameworks for LUMENS components: QUES-B, SCIENDO sub-modules (fire-risk and commodity suitability modeling).

2. Facilitate the developer and scientists in the development of peat emission, food, and vulnerability tools, testing, and dissemination in several activities. This will include but not be limited to
   - Assist with the development of business requirement document (BRD).
   - Provide notes in the test and finalize the tools by using various available data.
   - Provide basic requirements for organizing capacity strengthening process using the tools which include data pre-processing, training module development, and hands-on training delivery.
• Assist the developer team to build documentation and user guideline.

3. Facilitate and contribute to conducting simple data analysis and developing technical project reports for various activities in many project sites.

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.

Requirements

Education, knowledge, and experience
• The incumbent should have a bachelor’s degree in biology, forestry, geography, or ecology with adequate knowledge of NRM, Geographical Information systems, and Statistics.
• The incumbent should have a minimum of 1 (one) year of experience in natural resource management-related work.
• Strong knowledge of ecology and ecosystem services.
• Strong knowledge of natural resource management.
• Strong knowledge of statistics and quantitative analysis.
• Basic knowledge and skills in GIS and spatial data processing.
• Interest and basic knowledge of programming using R, Phyton, or other programming languages.
• Having good knowledge of computer application development.

Personal attributes and competencies:
• 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.
• 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 Locally Recruited Staff (LRS) position. CIFOR-ICRAF offers competitive remuneration in local currency, commensurate with skills and experience.
• The appointment will be for 1 (one) year, inclusive of a three-month probationary period, with the possibility of extension contingent upon performance, continued relevance of the position and available resources.
• The duty station will be in Bogor, Jawa Barat.

Application process
• The application deadline is 11 August 2023.
• All applications will be acknowledged but only contact short-listed candidates will be contacted.

To apply, please visit our career site at:
https://www.cifor.org/careers and https://www.worldagroforestry.org/working-for-icraf

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.