

APPLY 09-2025

Researcher in land-energy nexus topics

The **Agriculture, Forestry, and Ecosystem Services (AFE) Research Group**, within the **IIASA Biodiversity and Natural Resources (BNR) Program** is looking for a researcher to contribute to the **Spatially-explicit Energy and LAnd system InfrastrUcture optimization model (SELARU modelling framework)** supporting research on follow-up topics related to Indonesia's clean energy transition assessment (see [more](#)).

BACKGROUND

The AFE Research Group strives to generate knowledge and develop state-of-the-art modeling tools with the objective of advancing the scientific community and supporting policy stakeholders in their effort to better understand and manage global and regional land systems.

To complement the ongoing research agenda on nature-based climate solutions, AFE addresses topics related to the land-energy nexus to investigate land system implications of varying energy system transition options and identify potential synergies for specific climate change mitigation measures/policy recommendations.

MAIN TASKS AND RESPONSIBILITIES

- Contribute to the development of the SELARU modeling framework and related software tools, documentation, and datasets.
- Implement and process results of SELARU model scenarios (including data visualization) to meet scientific assessment needs for topics related to Indonesia's clean energy transition.
- Conduct literature reviews and background research to support scientific assessment on topics related to Indonesia's clean energy transition.
- Process and compile spatial and other relevant publicly available datasets related to Indonesia's land and energy systems.
- Contribute to the writing of manuscripts for scientific publications on topics related to Indonesia's clean energy transition.

REQUIREMENTS

- Min. master's degree (or equivalent qualification) with some experience in a topic related

WE OFFER

- The possibility to contribute to environmental sciences for sustainability and global wellbeing.

to energy system modeling or land use economic modeling plus a strong interest in pursuing a career in science.

- Familiarity with GAMS modelling environment and R coding language. Experience in parallel computing and version control (e.g., Git) as an advantage.
- Familiarity with spatial data processing and analyses (using e.g., ArcGIS, QGIS or R).
- Excellent organizational skills with demonstrated capability to work independently and respond to deadlines in a timely manner.
- Fluency in English (both written and spoken) is required; proficiency in Bahasa Indonesia is advantageous.
- Strong interpersonal skills and a willingness to work in a diverse, collaborative environment.
- IIASA offers an interdisciplinary and international workplace, and the possibility to interact with researchers of different nationalities, with strong ties to a world-wide network of research institutions engaged in environmental systems research. The successful candidate must be able to work in, and have respect for, an intercultural environment, and [IIASA core values](#).

APPOINTMENT TERMS

The selected candidate should be available to take up the position in July 2025. We offer an initial fixed-term, two-year, full-time (40 hours per week) employment contract, with the possibility of extension thereafter. Eligible applicants wishing to work part-time hours may be considered.

The place of work is at the IIASA premises in Laxenburg, near Vienna in Austria.

The successful candidate will be appointed in accordance with the [IIASA profiles for research careers](#).

- Career development perspectives.
- An international atmosphere and pleasant working environment in a historic market town surrounded by green areas.
- An attractive salary which is **exempt from income tax in Austria** and negotiable, based on the qualifications, skills and experience of the selected individual but *at least*:
EUR 41,020.00 (R1 Researchers)
- Salaries quoted are:
 - Gross per annum (subject to deductions for health insurance and/or social security).
 - Not directly comparable with other employers in Austria, due to the unique legal status and privileges granted to IIASA.
 - Subject to the principle of income aggregation (Progressionsvorbehalt in German).

OTHER BENEFITS

- Educational subsidies for children of school age enrolled in private schools in Austria.
- A generous five weeks of annual leave plus additional institute days off.
- Relocation allowances and paid home leave.
- The possibility to work up to 100 days per year in home office (within Austria).
- Assistance for newcomers to Austria with visa, work and residency permit applications.
- Support finding accommodation in Austria.

Further details [here](#).

About IIASA

IIASA is committed to a working environment that promotes equality, diversity, tolerance and inclusion within its workforce. This is reflected in our [IIASA core values](#) and the [IIASA Gender Equality Plan \(GEP\)](#). We encourage qualified candidates from all religious, ethnic, and social backgrounds to apply. In the case that candidates are equally qualified, preference will be given to applicants from countries where IIASA has a [Member Organization](#).

Further Information

For further information about this opportunity please contact

[Ping Yowargana](#) AFE Senior Research Scholar

For general information about working at IIASA, contact: recruitment@iiasa.ac.at

Applications

We invite you to submit your application in English by clicking on the apply button.

Please include

- A cover letter outlining your motivation and fit to the position.
- Your CV.
- The contact details of three reference givers.

Deadline for receipt of applications: 17 April 2025

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