Science-i

Global Forest Biodiversity Initiative
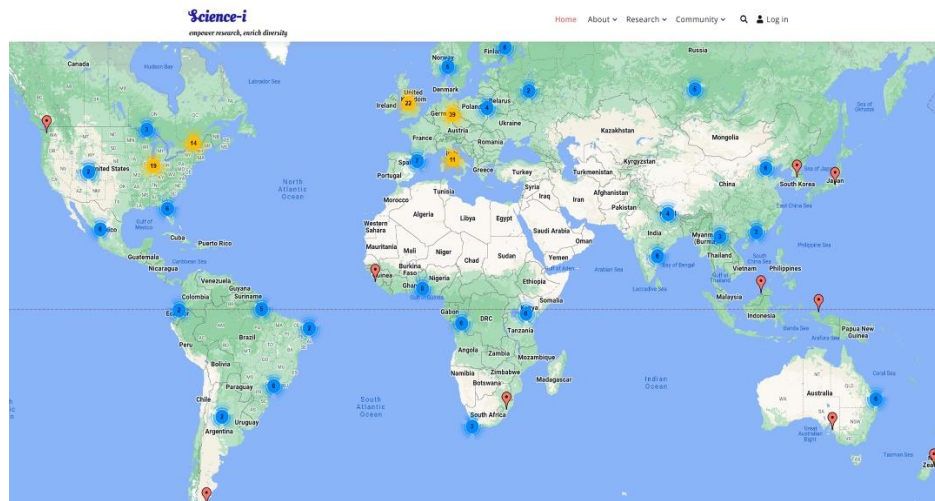*People, Nature, World, Diversity*

Now Hiring For Multiple Positions:

**Postdoctoral Research Associate
&
Graduate Research Assistantship
in
Global Forest Ecology**

The Forest Advanced Computing & Artificial Intelligence Lab (FACAI) at Purdue University is seeking applicants for multiple positions in forest ecology. The successful candidates will coordinate the global forest expert team in Science-i (see the map below) and the Global Forest Biodiversity Initiative (GFBI) to lead fundamental research in global forest ecology, and support communities worldwide, especially the under-represented.

Desirable starting time is January 2023, but can be flexible.

Benefits:

Postdoctoral Research Associate will receive annual compensation of ca. US $52,000-$55,000 with benefits (medical insurance etc.). The initial appointment is for 24 months. Additional support may be available pending funding availability and satisfactory performance.

Graduate Research Assistant will receive full salary and benefits (medical insurance etc.), plus tuition remissions. The total award package is worth $61,464 - $70,000 per year.

Successful candidates will be equipped with cutting-edge data packages, data management tools, and high-performance computing facilities to conduct top-tier research, and publish in high-impact journals – a solid foundation for one's future science career. In addition, successful candidates will work with global forest science communities in a multi-language and multi-culture setting, with abundant chances to serve and support under-represented researchers around the world.

PURDUE UNIVERSITY

DEPARTMENT OF FORESTRY AND NATURAL RESOURCES

Qualifications:

For the Postdoctoral Research Associate position, a Ph.D. degree in remote sensing, forestry, ecology, data science, or related fields is required.

For the Graduate Research Assistantship, a B.S. in forestry, ecology, modeling, computer science, statistics, or related fields is required.

Candidates will be evaluated based on the following criteria:

- Passion for path-making research,
- Passion to serve and support the global forest research community,
- Oral and writing proficiency,
- Leadership skills and teamwork experience,
- Research background and quantitative skills.

Application:

For the Postdoctoral Research Associate position — A single pdf file containing a) the applicant's CV, b) a Vision Statement outlining the candidate's research interests and qualifications, especially with regard to the foregoing criteria, c) contact information of three references, should be sent to the email address listed below.

For the Graduate Research Assistantship — A single pdf file containing a) the applicant's resume, b) a Research Statement outlining the candidate's research interests and qualifications, c) unofficial transcripts, and d) contact information of three references, should be sent to the email address listed below. Successful candidates who have passed the initial screen will be invited to submit a formal application to Purdue University Graduate School.

All individuals, including minorities, women, individuals with disabilities, and veterans are encouraged to apply. Purdue University is an EEO/AA employer.

Contact:

Dr. Jingjing Liang   jjliang@purdue.edu
Associate Professor of Quantitative Forest Ecology,
Dept. of Forestry and Natural Resources, Purdue University

Background: Forest Advanced Computing & Artificial Intelligence Laboratory (FACAI) employs the paradigm of Artificial Intelligence (AI) encompassing different state-of-the-art machine learning and statistical methods to study global, regional, and local forest resource management and biodiversity conservation.

Science-i is an international research hub hyper-converged with earth-observation data, global expertise, and advanced cyberinfrastructure to accelerate science by empowering underrepresented communities in global research and knowledge co-production.