



Monday, May 02, 2022

## ENVIRONMENTAL EQUIPMENT TECHNICIAN TROPICAL RESPONSES TO ALTERED CLIMATE EXPERIMENT

The Tropical Responses to Altered Climate Experiment (TRACE; [forestwarming.org](http://forestwarming.org)) is seeking a full-time **Environmental Equipment Technician** to assist the Project in maintaining and fixing environmental sampling equipment for a climate change experiment taking place in the Luquillo Experimental Forest in eastern Puerto Rico. TRACE is an *in-situ* field warming experiment that aims to study the interactive processes related to climate change and hurricane disturbance on tropical forests, particularly the effects on carbon and nutrient cycling.

The Environmental Equipment Technician will be contracted for a one-year full-time position to be based at the Sabana Field Research Station in Luquillo, Puerto Rico. The position is subject to a performance review after six months. There is potential to extend the position an additional year, pending satisfactory performance and availability of funds. Annual compensation begins at \$28,800 (\$15/hr.), but is commensurate with experience.

The Environmental Equipment Technician will have a range of responsibilities that include a combination of office-, lab-, and field-based duties. Examples of responsibilities include ensuring all sensors (for example, soil moisture and temperature, soil respiration, and weather station sensors) are properly working and calibrated; planning and scheduling equipment maintenance, and performing initial quality assurance/quality control on collected data.

Training in specific sensors and equipment of the project may be available to assure the best understanding and performance of the tasks required.

***We seek a dynamic, resourceful, and highly organized individual that meets the following experience and skills requirements:***

1. Bachelor's degree in engineering, biology, physical sciences, environmental sciences or related field.
2. Experience operating, troubleshooting, and maintaining field and laboratory instrumentation including dataloggers, microclimate sensors, and infrared gas analyzers.
3. Electrical and mechanical troubleshooting and repair skills, including experience with power conversion.
4. Computer programming experience for sensor data acquisition, and willingness to learn new scripting languages (e.g., CRBasic).
5. Meticulous attention to instrument cleanliness, regular maintenance, and related recordkeeping.
6. Experience with data management, including the use of R statistical software for data organization and processing.
7. Excellent written and verbal communication skills.
8. Experience with fieldwork as well as the ability and willingness to conduct physically demanding work under climatically challenging conditions.



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***Preferred skills include:***

- Experience with LI-COR instruments (8100A, 7810, LAI-2000, etc.); Campbell Scientific dataloggers and sensors (CR1000 and various sensors), and infrared thermometers.
- Experience working with large data sets.
- Experience working in the tropics.
- Ability to prepare and give presentations in one-on-one settings or small groups.
- Written and verbal communication skills in Spanish.
- A valid driver's license

The TRACE team is a diverse, inclusive, and supportive environment driven to better understand our planet's tropical forest ecosystems and their responses to change. We are looking for a team member who is excited about playing a critical role in maintaining the equipment necessary to reach our science goals.

Interested applicants should fill the application form in the following link: <https://forms.gle/airfwVR9U1ZixW4z6> and submit the listed documents, compiled in a single PDF file:

- ✓ a letter of intent including a statement of career goals
- ✓ curriculum vitae
- ✓ copy of university transcripts
- ✓ contact information for three references

Applications are due **May 15, 2022**. Application reviews will begin immediately. The expected start is June 2022. If you have any inquiries for this position, please reach us at: [trace@forestwarming.org](mailto:trace@forestwarming.org).