

Opportunity Title: Informing conservation practices through the use of novel remote sensing datasets

Opportunity Reference Code: 0309-NPP-MAR25-JPL-EarthSci

Organization National Aeronautics and Space Administration (NASA)

Reference Code 0309-NPP-MAR25-JPL-EarthSci

How to Apply All applications must be submitted in [Zintellect](#)

Please visit the NASA Postdoctoral Program website for application instructions and requirements: [How to Apply | NASA Postdoctoral Program \(orau.org\)](#).

A complete application to the NASA Postdoctoral Program includes:

1. Research proposal
2. Three letters of recommendation
3. Official doctoral transcript documents

Application Deadline 3/1/2025 6:00:59 PM Eastern Time Zone

Description About the [NASA Postdoctoral Program](#)

The [NASA Postdoctoral Program \(NPP\)](#) offers unique research opportunities to highly-talented U.S. and non-U.S. scientists to engage in ongoing NASA research projects at a NASA Center, NASA Headquarters, or at a NASA-affiliated research institute. These one- to three-year fellowships are competitive and are designed to advance NASA's missions in space science, Earth science, aeronautics, space operations, exploration systems, and astrobiology.

Description:

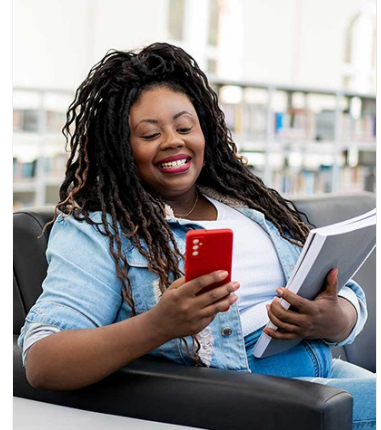
We are seeking a talented and motivated individual who will utilize NASA Earthdata— primarily EMIT, ECOSTRESS, and potentially PACE—to assess ecological conditions and support applied conservation goals. This role offers a unique opportunity to contribute to cutting-edge research and make a tangible impact on ecosystem health and functionality in Southern Africa and can be applied in other locations. This research also involve substantial engagement with prospective collaborators in region. The project may involve detection and study of invasive alien plants, fire regime disruption, occurrence of soil erosion, spatial and temporal variation in biocrusts, changes in ecosystem health and functionality.

Field of Science: Earth Science

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Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States. A complete list of Designated Countries can be found

at: <https://www.nasa.gov/oiiir/export-control>.

Eligibility is currently open to:

- U.S. Citizens;
- U.S. Lawful Permanent Residents (LPR);
- Foreign Nationals eligible for an Exchange Visitor J-1 visa status; and,
- Applicants for LPR, asylees, or refugees in the U.S. at the time of application with 1) a valid EAD card and 2) I-485 or I-589 forms in pending status

Questions about this opportunity? Please email npp@orau.org

Qualifications Applicants should have a PhD in: Environmental Science, Earth System Science, Hydrology, Physics, or a related field. We seek a creative and highly motivated person with strong scientific background and excellent oral and written communication skills in English.

The candidate must be detail oriented, be able to work both independently and in close collaboration with others, should have excellent abilities in programming (Matlab, Python, or similar) and be familiar with processing big data. Prior experience of working with existing satellite data is regarded as merits. The candidate also should have an interest in working on an applied science project.

Point of Contact [Mikeala](#)

Eligibility Requirements • **Degree:** Doctoral Degree.