

**Opportunity Title:** Earth Science: Vegetation and Soil Sciences

**Opportunity Reference Code:** 0087-NPP-NOV23-GSFC-EarthSci

**Organization** National Aeronautics and Space Administration (NASA)

**Reference Code** 0087-NPP-NOV23-GSFC-EarthSci

**Application Deadline** 11/1/2023 6:00:59 PM Eastern Time Zone

**Description** The development and use of space-based remote-sensing instruments provides a unique vantage point from which to characterize the physical and biological properties of the Earth's surface and their time-dependent behavior. Decades of observations from space-based systems also capture the imprint of human activity and climate change, including feedbacks from land use and land cover change on the Earth system. The Biospheric Sciences Laboratory is a leader in the development and use of ground-based, airborne, and satellite instruments to measure, monitor, map, and model surface phenomena. Priority areas of research include the analysis of global-scale ecological processes, particularly as they relate to the influence of climate change and anthropogenic activity; terrestrial carbon cycle; fires, hurricanes, and other large-scale disturbance processes; regional-scale forest ecosystem dynamics in boreal, temperate, and tropical forest ecosystems; and 3-D modeling of light scattering and absorption within the vegetation profile to support the improvement of terrestrial ecosystem for coupling with GCMs. To obtain a more detailed description of the research activities within the Biospheric Sciences Laboratory, please visit the Lab Web page at <https://earth.gsfc.nasa.gov/bio/>

**Location:**

Goddard Space Flight Center  
Greenbelt, Maryland

**Field of Science:**Earth Science

**Advisors:**

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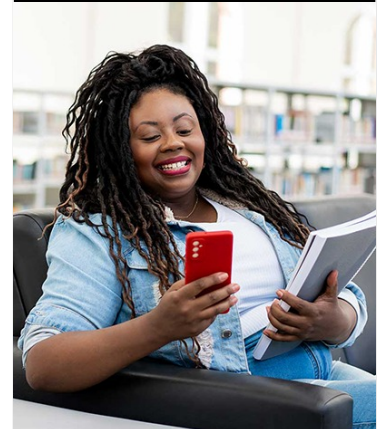
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**Applications with citizens from Designated Countries will not be accepted at this time, unless they are Legal Permanent Residents of the United States.** A complete list of Designated Countries can be found at: <https://www.nasa.gov/oiiir/export-control>.

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

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