Opportunity Title: Global Carbon Cycle studies using observations, reanalysis and climate model simulations
Opportunity Reference Code: 0014-NPP-NOV26-GISS-EarthSci

Organization National Aeronautics and Space Administration (NASA)

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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 11/1/2026 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 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:

This opportunity is closed to applicants who are Senior Fellows (5-years or more past PhD).

NASA's global carbon cycle research seeks to study the integrated carbon cycle in the atmosphere, oceans, land, in observational datasets and in models and describe the implications for Earth's climate, productivity, and natural resources. The research goal is to understand and quantify the carbon cycle feedbacks and the uncertainty in the NASA GISS Earth System model and provide information about future changes particularly with respect to the evolution of the marine and terrestrial sinks.

Research proposals are encouraged in the areas of:
1) Land-ocean interface
2) Land vegetation phenology and climate teleconnections
3) Quantification of source-sink circulation patterns, ocean and land carbon uptake
4) Utilization of satellite data to evaluate simulated carbon stocks and fluxes

Successful applicants should have experience analyzing observational and model datasets, and background in the following is highly desirable: Earth, Physical, and/or Computing Sciences, Carbon Cycle Science, mathematical modeling, programming in a compiled language like C or FORTRAN95,

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scripting with python or R.

Location:
Goddard Institute for Space Studies
New York City, New York

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/oiir/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

Point of Contact Mikeala

Eligibility Requirements
- **Degree:** Doctoral Degree.