

Opportunity Title: USGS Postdoctoral Fellowship in Climate-Smart Conservation for Tanzania: Mapping Climate Change Refugia for Priority Resources
Opportunity Reference Code: USGS-2022-09

Organization U.S. Department of the Interior (DOI)

Reference Code USGS-2022-09

How to Apply *Connect with ORISE...on the GO!* Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

A complete application package consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Selected candidate must provide proof of completion of the degree before the appointment can start. Click [Here](#) for detailed information about acceptable transcripts.
- A current resume/CV
- Two educational or professional recommendations. At least one recommendation must be submitted in order for the mentor to view your application.

All documents must be in English or include an official English translation.

Application Deadline 5/20/2022 11:59:00 PM Eastern Time Zone

Description **Applications will be reviewed on a rolling-basis.*

USGS Office/Lab and Location: A research opportunity is currently available with the U.S. Geological Survey (USGS) located in Amherst, Massachusetts.

The USGS mission is to monitor, analyze, and predict current and evolving dynamics of complex human and natural Earth-system interactions and to deliver actionable intelligence at scales and timeframes relevant to decision makers. As the Nation's largest water, earth, and biological science and civilian mapping agency, USGS collects, monitors, analyzes, and provides science about natural resource conditions, issues, and problems.

Research Project: The USGS will use the ORISE Research Participation Program to meet current and future mission driven workforce needs in science, technology, engineering, and mathematics (STEM) fields by creating a pipeline of highly qualified talent in disciplinary fields that support mission critical areas of the agency.

The selected participant will conduct spatial modeling to understand the impacts of climate change on east African ecosystems. The project objective is to produce a climate change refugia map for priority species and ecosystems in Tanzania.

Learning Objectives: Under the guidance of a mentor, specific learning activities for the participant include, but are not limited to:

- Convening partners in remote conferencing or in-person meetings
- Identifying priority resources for refugia mapping
- Mapping climate change refugia for priority species and ecosystems



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- Presenting results to partners at local and regional meetings
- Traveling to Tanzania to meet with partners and present results

Mentor: The mentor for this opportunity is Toni Morelli (tmorelli@usgs.gov). If you have questions about the nature of the research please contact the mentor.

Anticipated Appointment Start Date: May 23, 2022. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for one year, but may be extended upon recommendation of USGS and is contingent on the availability of funds.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.




Citizenship Requirements: This opportunity is available to U.S. citizens, Lawful Permanent Residents (LPR), and foreign nationals. Non-U.S. citizen applicants should refer to the [Guidelines for Non-U.S. Citizens](#) Details page of the program website for information about the valid immigration statuses that are acceptable for program participation.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and USGS. Participants do not become employees of USGS, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

Questions: If you have questions about the application process please email USGS@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a doctoral degree in one of the relevant fields listed in the eligibility requirements section.

Point of Contact [Keri](#)

- Eligibility Requirements**
- **Degree:** Doctoral Degree.
 - **Discipline(s):**
 - **Earth and Geosciences** ([21](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Social and Behavioral Sciences** ([29](#) )