Opportunity Title: EPA Postdoctoral Fellowship Measuring Ecosystem Services After Restoration in the Great Lakes
Opportunity Reference Code: EPA-ORD-CCTE-GLTED-2023-05

Organization	U.S. Environmental Protection Agency (EPA)
Reference Code	EPA-ORD-CCTE-GLTED-2023-05
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 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. All transcripts must be in English or include an official English translation. Click here for detailed information about acceptable transcripts.
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional recommendations. Click here for detailed information about recommendations.

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

Application Deadline	9/15/2023 5:37:38 PM Eastern Time Zone
Description	***Applications may be reviewed on a rolling-basis and this posting could close before the deadline.** Click **here** for information about the selection process.

EPA Office/Lab and Location: A research opportunity is available at the Environmental Protection Agency (EPA), Office of Research and Development (ORD), Center for Computational Toxicology and Exposure (CCTE), Great Lakes Toxicology & Ecology Division (GLTED) located in Duluth, Minnesota.

Research Project: This research project will focus on mapping and measuring ecosystem services and associated benefits from Great Lakes coastal ecosystems, including coastal wetlands, tributaries, and open coastal waters. The goal of this research project is to forecast how changes in ecosystem services and benefits owing to restoration could impact human communities, and to identify trade-offs in services and benefits under different restoration alternatives. This research will include measuring how services and benefits may change due to climate change, particularly future change in lake levels.

Learning Objectives: The research participant will learn to conduct geospatial mapping, field research, community engagement, statistical analyses, and writing scientific manuscripts. The research participant will collaborate with an interdisciplinary team of researchers including social scientists and ecologists focused on translational ecology, an approach in which scientists, community members, and decision makers together develop solutions that address sociological, ecological, and political contexts of environmental problems.

Mentor(s): The mentor for this opportunity is Samantha

Rumschlag (rumschlag.samantha@epa.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: October 2, 2023. All start dates are flexible and vary depending on numerous factors. Click **here** for detailed information about start dates.

Appointment Length: The appointment will initially be for three years and may be renewed upon EPA recommendation and subject to availability of funding.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience. Click **here** for detailed information about full-time stipends.

EPA Security Clearance: Completion of a successful background investigation by the Office of Personnel Management (OPM) is required for an applicant to be on-boarded at EPA.

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 EPA. Participants do not become employees of EPA, 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.

ORISE offers all ORISE EPA graduate students and Postdocs a free 5 year membership to the National Postdoctoral Association (NPA).

The successful applicant(s) will be required to comply with Environmental, Safety and Health (ES&H) requirements of the hosting facility, including but not limited to, COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).

Questions: Please see the [FAQ section](#) of our website. After reading, if you have additional questions about the application process please email ORISE.EPA.ORD@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, or be currently pursuing the degree with completion before the appointment start date. Degree must have been received within five years of the anticipated appointment start date.

Preferred Skills:

- Previous experiences might include one or more of the following: GIS mapping, geospatial analyses, statistics, interdisciplinary team research, ecological restoration, and/or ecosystem services.

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Eligibility Requirements	- **Citizenship:** U.S. Citizen Only
	- **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
	- **Discipline(s):**
	  - **Chemistry and Materials Sciences** (6 👁)
	  - **Earth and Geosciences** (21 👁)
	  - **Environmental and Marine Sciences** (14 👁)
	  - **Life Health and Medical Sciences** (48 👁)
	  - **Mathematics and Statistics** (11 👁)
	  - **Social and Behavioral Sciences** (29 👁)