

Opportunity Title: EPA Economic Valuation Research Fellowship

Opportunity Reference Code: EPA-ORD-CEMM-WECD-2020-03

Organization U.S. Environmental Protection Agency (EPA)

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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 12/25/2020 3:00:00 PM Eastern Time Zone

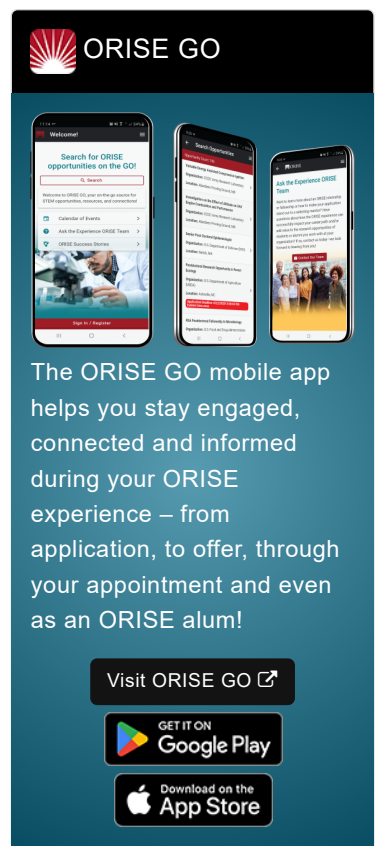
Description ***Applications may be reviewed on a rolling-basis and this posting could close before the deadline.** Click [here](#) for information about the selection process.

EPA Office/Lab and Location: A research opportunity is available at the Environmental Protection Agency (EPA), Office of Research and Development (ORD), Center for Environmental Measurement and Modeling (CEMM), Watershed and Ecosystem Characterization Division (WECD), Watershed Management Branch (WMB) located in Cincinnati, Ohio.

Research Project: The focus of the research project is to conduct analysis of economic impacts of contaminated sites, brownfields remediation and revitalization. Potential research sites are selected urban communities in Region 4, and communities in Great Lakes Areas of Concerns.


Under the guidance of a mentor, the research participant may participate in the following activities:


- Analyzing economic benefit surrounding community might realize from contaminated site remediation and restoration using non-market valuation methods (revealed preference approaches such as hedonic pricing);
- Analyzing impacts on employment, income, poverty and local tax revenues;
- Evaluating the negative economic impacts of contaminated brownfields, identifying the economic benefits of site cleanup/remediation, and the impact of brownfields redevelopment, in selected urban areas so as to assist in analyzing benefit-cost of investments in brownfields remediation.




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Learning Objectives: Through this research, the research participant will have an opportunity to apply their knowledge in non-market valuation techniques, environmental economics, econometric modeling and spatial data analysis. The research participant will have opportunities to collaborate and interact with EPA staff and team of EPA economists and other multidisciplinary scientists in ORD, Office of Land and Emergency Management (OLEM) and Regional partners. The research participant will have an opportunity to communicate their research finding through publication of manuscripts and participation in scientific conferences. The research participant is encouraged to collaborate on writing of manuscripts for publication and project reports.

Mentor(s): The mentor for this opportunity is Bayou Demeke (demeke.bayou@epa.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: ~January 2021. 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 one year and may be renewed up to three or four additional years 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.

Questions: Please see the [FAQ section](#) of our website. After reading, if you have additional questions about the application process please email EPArpp@ornl.gov and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a master's or doctoral degree in one of the relevant fields, or be currently pursuing the degree with completion by the anticipated appointment start date. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Knowledge of non-market valuation techniques such as Hedonic Pricing and other revealed

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preference methods

- Strong background in statistical/econometric modeling techniques and data analysis
- Familiarity with Geographic Information Systems
- Familiarity with popular data analysis software such as STATA or R
- Excellent writing and communication skills

**Eligibility
Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 1/25/2021 11:59:00 PM.
- **Academic Level(s):** Graduate Students, Postdoctoral, or Post-Master's.
- **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#))
 - **Earth and Geosciences** ([21](#))
 - **Engineering** ([27](#))
 - **Environmental and Marine Sciences** ([14](#))
 - **Life Health and Medical Sciences** ([46](#))
 - **Mathematics and Statistics** ([10](#))
 - **Social and Behavioral Sciences** ([4](#))
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).