

Opportunity Title: USFS Fellowship in Web GIS
Opportunity Reference Code: USDA-USFS-2022-0298



Organization U.S. Department of Agriculture (USDA)

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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. 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 10/17/2022 3:00:00 PM Eastern Time Zone

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

USFS Office/Lab and Location: A full time science application and communication opportunity is available with the US Forest Service (USFS), Rocky Mountain Research Station located in Missoula, Montana. The Forest Service and the Rocky Mountain Research Station continue to operate in a liberal telework status since the COVID-19 pandemic. Therefore, this opportunity could be conducted on site at the Missoula Fire Sciences Lab but could also be conducted remotely. If remote, the participant will be closely integrated with other Fire Sciences Lab staff members through virtual meeting and collaboration software.

At the heart of the U.S. Forest Service's mission is their purpose. Everything they do is intended to help sustain forests and grasslands for present and future generations. Why? Because their stewardship work supports nature in sustaining life. This is the purpose that drives the agency's mission and motivates their work across the agency. It's been there from the agency's very beginning, and it still drives them. To advance the mission and serve their purpose, the U.S. Forest Service balances the short and long-term needs of people and nature by: working in collaboration with communities and our partners; providing access to resources and experiences that promote economic, ecological, and social vitality; connecting people to the land and one another; and delivering world-class science, technology and land management.

Research Project: This specific opportunity is with the Fire Modeling Institute (FMI) at the Missoula Fire Sciences Laboratory. FMI is a joint effort between the Fire, Fuel, and Smoke Science Program (FFS) of the Rocky Mountain Research Station and Washington Office Fire and Aviation Management (FAM). It is a center of expertise that supports fire and fuels management planning, resource management, and science implementation locally, regionally, nationally, and internationally.

This person selected for this opportunity will help to develop engaging and interactive web-based content about FMI projects and other projects in the Fire, Fuel, and Smoke Science (FFS) Program of RMRS. Simple and effective visualization of data can be a very powerful way to share the work we do in FMI with professionals in the fire and land management communities, leadership in the Forest Service and other agencies, and the public.

Learning Objectives: This participant will help us to tell the story of what we do at FMI and in the FFS Program. They will assist with our Visual Information Specialist, FMI staff, and scientists in the FFS program. As such, it

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will be an interesting opportunity to learn about and engage in the work of FMI and the FFS program while helping to communicate about the research we do.

Mentor: The mentor for this opportunity is Greg Dillon (greg.dillon@usda.gov). If you have questions about the nature of the research please contact the mentor.

Anticipated Appointment Start Date: October 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 renewed upon recommendation of USFS 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. **The current annual stipend amount for this opportunity is \$54,000.**

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 ARS. Participants do not become employees of USDA, ARS, 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 visit our [Program Website](#). After reading, if you have additional questions about the application process please email USForestService@orise.orau.gov and include the reference code for this opportunity.

Qualifications

The qualified candidate should have received a bachelor's or master's degree in one of the relevant fields, or be currently pursuing one of the degrees with completion by June 30, 2023. Degree must have been received within the past five years.

- Proficiency in the ESRI suite of GIS software (ArcGIS Desktop, ArcGIS Pro, etc.) and familiarity with ESRI's ArcGIS Online platform
- Experience creating web maps and web applications in the ArcGIS Online platform.
- Experience using GIS in a natural resource management context.
- Good writing skills, particularly with translating scientific information into plain English for non-technical and non-scientific audiences.
- Experience with cartographic design and data visualization.
- Experience with general web content creation, content management systems, and design would be a plus.
- Curiosity to learn about wildfire science and management.

Eligibility Requirements

- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 6/30/2023 12:00:00 AM.
- **Discipline(s):**
 - **Communications and Graphics Design** (4 )
 - **Computer, Information, and Data Sciences** (9 )
 - **Earth and Geosciences** (3 )
 - **Environmental and Marine Sciences** (9 )
 - **Life Health and Medical Sciences** (10 )
 - **Social and Behavioral Sciences** (2 )