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Opportunity Title: Watershed Hydrologist/Landscape Ecologist
Opportunity Reference Code: USFS-RD-SRS-2016-0005

Organization U.S. Department of Agriculture (USDA)

Reference Code USFS-RD-SRS-2016-0005

How to Apply A complete application consists of:

- An application
- Cover Letter
- A current resume/CV
- Transcripts – 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 may be required to provide proof of completion of the degree before the appointment can start.

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

If you have questions, send an email to usforestservice@orise.orau.gov. Please include the reference code for this opportunity in your email.

Application Deadline 11/30/2016 11:59:00 PM Eastern Time Zone

Description A postgraduate appointment is available at The Center for Integrated Forest Science (CIFS) in Landscape Ecology or Forest Watershed Hydrology. The CIFS is a research unit within the U. S. Department of Agriculture (USDA) Forest Service, Southern Research Station and is developing new research approaches that are more integrated and conducted at larger scales. The Center's goal is to develop and implement innovative research approaches that provide timely, relevant, and credible science to natural resources managers and policy makers. The selected candidate will participate in ongoing team-oriented research focused on understanding responses of watershed ecosystems to anthropogenic and natural disturbances. Research opportunities include, but are not limited to:

- Analyzing long-term hydrologic and climatologic data at the watershed/landscape scale
- Aiding in development and applications of modeling, remote sensing, GIS, and landscape-scale analyses,
- Developing novel approaches that link biological, physical, and socioeconomic systems
- Developing collaborative research and writing research grants with university partners on a variety of projects

Participant Benefits

This appointment is full time for one year and may be extended for up to four additional years upon recommendation of the Forest Service and is contingent on the availability of programmatic funds. The stipend rate will be determined by Forest Service officials and is based on the participant's academic and professional background. A stipend supplement may be provided to offset the cost of health insurance. This position may offer

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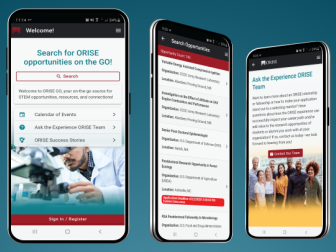
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opportunities for paid professional travel, as well as relocation allowance. The anticipated start date may be as early as January 2017.

Nature of the Appointment

Participants will not enter into an employee/employer relationship with ORISE, ORAU, USDA, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications

The candidate should have an education background in forest hydrology and forest landscape ecology at the PhD level and coursework and demonstrated skills in Geographic Information Systems.

Desired candidates will have:

- academic training in watershed science or landscape ecology at the PhD level
- knowledge and skill in quantitative analyses of large and complex data sets
- knowledge in modeling, remote sensing, and GIS
- interest in participating in multidisciplinary, team-oriented research projects
- a record of publishing in peer-reviewed journals

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Earth and Geosciences** (1)
  - **Environmental and Marine Sciences** (2)