

Postdoctoral Opportunity in Remote Sensing of Hydrology and Dryland Ecosystems

The [ecohydrology group](#) led by Dr. Meng Zhao at the University of Idaho is thrilled to announce a NASA-funded postdoctoral position focusing on remote sensing of hydrology and dryland ecosystems. This is a unique opportunity to collaborate with top-tier researchers from Boise State University, NASA Goddard Space Flight Center, and Pacific Northwest National Laboratory. Our goal is to enhance the predictive understanding of global dryland streamflow.

Key Responsibilities:

- **Innovative Research:** Delve into the relationship between streamflow and vegetation activities across diverse climatic, hydrologic, and geological settings.
- **Resource Investigation:** Explore the role of shallow and deep water resources in these dynamics.
- **Scientific Contributions:** Formulate hypotheses, process and analyze satellite and stream gauge data, and disseminate findings through publications and presentations.
- **Mentorship:** Guide and support undergraduate and graduate student researchers.

Position Details:

- **Type:** Full-time, exempt, benefits-eligible
- **Salary range:** \$53,000 ~ \$60,000 per year, commensurate with experience
- **Contract:** One year, with annual renewals for at least two additional years, contingent on performance

Ideal Candidate Qualifications:

- **Education:** Ph.D. in hydrology, ecohydrology, climate sciences, earth system science, or a related field
- **Skills:** Strong programming skills (Python preferred)
- **Experience:** Familiarity with stream gauge data and NASA's GRACE/GRACE-FO, SMAP, and SWOT; proven track record of peer-reviewed publications; excellent communication skills; ability to work independently and collaboratively
- **Background Check:** Employment contingent on passing a criminal background check

Why Join Us?

- **Collaborative Environment:** Work with leading experts and be part of a dynamic and expanding research team.
- **Professional Growth:** Contribute to groundbreaking research and advance your career goals.
- **Supportive Community:** Enjoy the welcoming atmosphere of the University of Idaho and the vibrant town of Moscow.

Application Process:

To apply, please email Dr. Meng Zhao (mengz@uidaho.edu) with the subject line “Lastname Firstname remote sensing postdoc application.” Attach the following documents as a single PDF:

- **Cover Letter:** Describe your interest, qualifications, and career goals
- **CV:** Detailed academic curriculum vitae
- **References:** List of three professional references with contact information

Applications will be reviewed on a rolling basis until the position is filled, with a preferred start date on or before January 1, 2025. For any questions, reach out to Dr. Meng Zhao (mengz@uidaho.edu).

About the University of Idaho and Moscow

The University of Idaho, a national research university, is renowned for its interdisciplinary research and student-centered learning. Our picturesque campus in Moscow, Idaho, is nestled in the rolling hills of the Palouse, offering a safe and welcoming community. Moscow consistently ranks among the safest cities in Idaho, with a vibrant college-town atmosphere.

Discover why so many people fall in love with Moscow: [Explore Moscow](#)

Join us in advancing ecohydrology and making impactful contributions to our understanding of global dryland water resources and ecosystems. We encourage applications from underrepresented groups and value a diverse research environment.