

## PhD Candidate position at CSU in plant-water relations

We have an open PhD position in the Ecosystem Science & Sustainability Department at Colorado State University to work on plant-water relations & ecohydrology in Earth system models starting fall of 2024 or spring of 2025. The successful candidate will work with an interdisciplinary group on:

- Developing and testing model components that represent plant water transport, storage, and release in coniferous forests
- Simulating ecohydrologic changes due to plant water holding capacity
- Collecting field and laboratory measurements to guide model parameterization and evaluation

Desired skills & qualifications:

- Previous research experience (MS preferred)
- Proficiency in coding with experience in Python, R, or Fortran
- Experience using modeling tools
- Field and research methods in one or more of the following areas: Earth system models, plant physiology techniques, ecohydrology theory and methodology

Motivated students interested in this opportunity should submit

1. A cover letter describing their interest in the position, relevant experience & skills, and career goals
2. A CV that highlights relevant skills and experience
3. Contact information for three references.

Please submit materials by emailing Dr. Danica Lombardozzi

([danica.lombardozzi@colostate.edu](mailto:danica.lombardozzi@colostate.edu)) and Dr. Dave Barnard ([david.barnard@usda.gov](mailto:david.barnard@usda.gov))

with an email subject line of "Earth Systems PhD". Applications will be reviewed starting Friday, April 30th and the position will remain open until filled.

This opportunity will be supported through a combination of Graduate Teaching Assistantships (GTA) and Graduate Research Assistantships (GRA) through the Department of Ecosystem Science and Sustainability and the USDA Agricultural Research Service.

Students will join Dr. Lombardozzi's lab in the Ecosystem Science and Sustainability Department at CSU and will be co-advised by Dr. Barnard. Research in the lab is interdisciplinary and academic training in ecology, environmental sciences, Earth system science, or similar are all valued.