



OUR MISSION

To empower the water community and advance science through collaboration, infrastructure, and education.

CUAHSI serves students, educators, researchers, and scientists across disciplines. Our programs and resources are open to all and often free to use. Whether you're publishing data, building skills, or launching collaborations, CUAHSI provides the infrastructure and community to support your work.



HydroShare Data Infrastructure Operations

Enables FAIR-aligned data publishing and access through the HydroShare Data Repository.



- **Open data platform**

Free, open-source platform for collaborating, sharing, finding and publishing water data.

- **Integrated web apps**

Run models, analyses, and visualizations using integrated web apps.

- **Cloud computing access**

Access cloud computing environments through CUAHSI JupyterHub and MATLAB Online, available at no cost.



Training Delivery & Community Convening

Programs and events to share knowledge, learn new skills, and launch collaborative science.



- **Trainings**

Virtual and in-person events ranging from a few hours to multi-day formats.

- **Water Prediction Innovators Summer Institute**

Seven-week research program focused on water prediction and flood forecasting with projects that align with national goals.

- **Cyberseminars**

Free virtual events with experts on new and timely topics in water science.

- **CUAHSI Virtual University**

Multi-university online education forum offering specialized hydrology courses to graduate students.

- **Skill-building & Science Catalyst Workshops**

Regionally rotating gatherings combining scientific programming, hands-on training, and collaborative research support to reach broad audiences across the U.S.

Cyberinfrastructure & Data Innovation

Research to advance cyberinfrastructure for transformative water science applications.

Our team collaborates on research proposals to develop innovative approaches to water data and modeling challenges. Recent areas of focus include:

● Large-scale data access

Facilitating efficient access to large datasets on the cloud, including approaches that let users work with portions of data without full downloads.

● Flexible data connectors

Storage models that allow organizations to connect their own data to CUAHSI infrastructure while maintaining ownership.

● Software discoverability

Advancing research software discoverability and reuse across repositories and scientific domains.

● SWOTViz satellite data

Discover and interact with NASA SWOT satellite data through the SWOTViz web application.
swotviz.cuahsi.io



WORK WITH US

CUAHSI offers several ways to collaborate, scaled to match the level of effort and support needed. If you're interested in working with us on a project or initiative, reach out to start a conversation.

connect@cuahsi.org

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