CUAHSI: Services and Support for University Water Research

Consortium of Universities for the Advancement of Hydrologic Science, Inc. (CUAHSI)

2012 Illinois Water Conference
September 24-25, 2012
Urbana, Illinois
What is CUAHSI?
More than 110 US universities and 20 international affiliates

- Formed in **2001**
- a 501(c)3 research organization
- core funding from NSF- HS to develop and operate research support services and infrastructure to serve hydrologic science
Who is CUAHSI?

CUAHSI enables the water science community to advance understanding of the central role of water to life, Earth, and society. CUAHSI focuses on water from bedrock to atmosphere, and from summit to sea.

- CUAHSI mission statement
Achieving our Mission

CUAHSI will support the community to advance water science and to improve societal well-being through:

- developing, supporting, and operating research infrastructure;
- improving access to data, information and models;
- articulating priorities for community level water-related research and observations;
- facilitating interactions among the diverse water research community;
- promoting interdisciplinary education centered in water science; and
- translating scientific advancements into effective tools for water management and policy.
Delivering Services

- **CUAHSI Hydrologic Information Systems (HIS)** – solutions for publishing and accessing a variety of water data
- **Instrumentation services** – promoting improved use of and access to cutting edge field instrumentation
- **Education and Outreach** – programs and resources to help our community train the next generation of water scientists and communicate our science to the public

www.cuahsi.org
The largest water data catalog in the world. Search over 90 different data sources at once.

Learn more and download HydroDesktop at his.cuahsi.org

Use CUAHSI Open Source software to store and publish your research data, or use CUAHSI’s server to host your data.

Search for, download and analyze data directly from multiple sources in one desktop application.
Instrumentation services
Promoting Use and access to instrumentation

- **Virtual Hydrologic Measurement Facility (HMF)**
  - A network of instrumentation providers who have partnered with CUAHSI to promote and provide access to their equipment

- **Hands On workshops** provide training on field techniques and new technologies

- **Partnering with USGS**
  - Member Access to HIF equipment rental and sample reference service
  - Instrumentation development workshops to push technology forward

www.cuahsi.org/hmf.html
Education and Outreach

- **Resources for graduate students and faculty**
  - **Cyberseminars**: live and archived web-based research presentations
    - Fall 2012 Series: “Exploring Cutting Edge Techniques and Advances in Instrumentation” begins **Oct 5th**
  - **Pathfinder**: graduate student travel grants for extended research visits

- **Supporting our community in undergraduate education**
  - Let’s Talk About Water: films and panel discussions
  - CUAHSI-produced short films about water
  - Promoting use of real data through HIS

Visit [www.cuahsi.org/eando.html](http://www.cuahsi.org/eando.html) for more details
Service Development

- CUAHSI surveys and represents water science community needs and priorities, and undertakes initiatives to develop services of interest to our members.

- Developmental Activities include:
  - Advancing the idea of Community Hydrologic Modeling through partnerships with NCAR, federal agencies and universities on modeling initiatives and workshops
  - Promoting observational strategies that increase community access to networks of field sites and inform development
  - Advocating for synthesis opportunities for the water science community
Would you like to learn more?

- For more information regarding CUAHSI services or to learn about how to become a member of CUAHSI, join a standing committee or get involved...

Contact:

Rick Hooper, Executive Director  
(339) 221-5400; rhooper@cuahsi.org

Jennifer Arrigo, Program Manager  
(339) 221-5401; jarrigo@cuahsi.org

Kayla Berry, Communications & Outreach Specialist  
(339) 221-5402; kberry@cuahsi.org

Jon Pollak, HIS User Specialist  
(339) 221-5403; jpollak@cuahsi.org

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