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CSSI Framework: **HydroShare**: Cyberinfrastructure for Advancing Hydrologic Knowledge through Collaborative Integration of Data Science, Modeling and Analysis

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Advancing Hydrologic Understanding

- requires integration of information from multiple sources
- is data and computationally intensive
- requires collaboration and working as a team/community

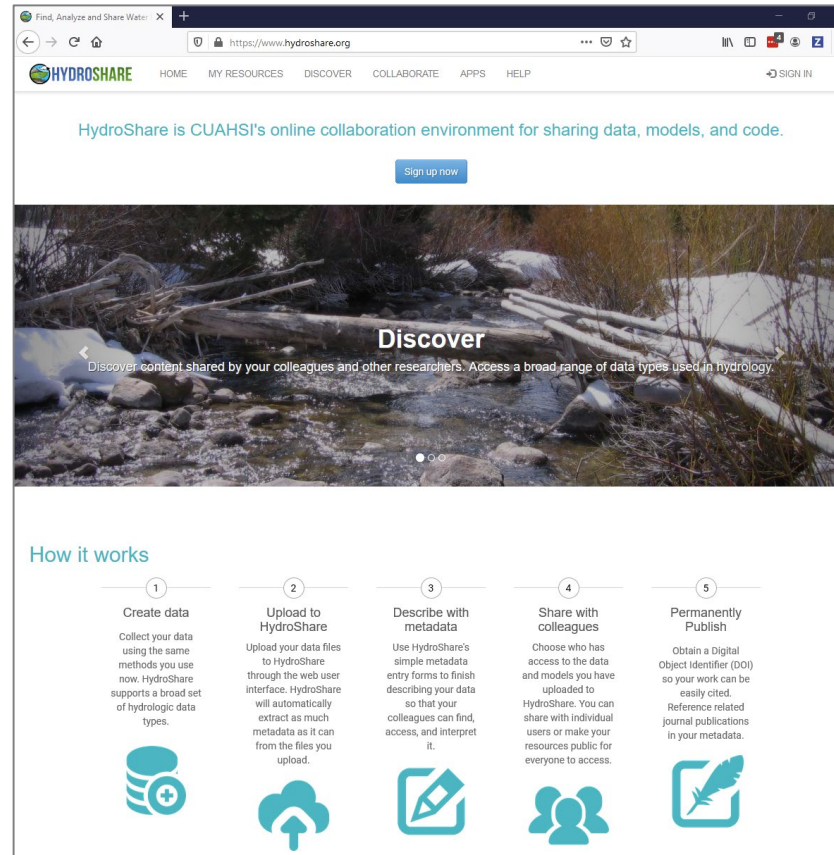
HydroShare is a system to advance hydrologic science by enabling the community to more easily and freely share products resulting from their research, not just the scientific publication summarizing a study, but also the data and models used to create the scientific publication.

- **F**indable
- **A**ccessible
- **I**nteroperable
- **R**eusable

- Open data
- Transparency
- Reproducibility
- Trust

<http://www.hydroshare.org>

Data and Model Repository



Web App Gateway JupyterHub

