

HDR² From Harnessing the Data Revolution to Harvesting the Data Revolution

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Data and Cyberinfrastructure around the HDR ecosystem - the I-GUIDE perspective

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The Core Cyberinfrastructure (CI) Capabilities and Services is one of the six focus areas in the I-GUIDE, an NSF HDR Institute for Geospatial Understanding through an Integrative Discovery Environment. Its primary mission is to bridge a wide range of distributed, heterogenous and rapidly increasing geospatial datasets with convergence research to achieve a greater society resilience and sustainable development. The I-GUIDE CI team follows several best practices, including integration and interoperation to leverage significant prior investment and proven platforms, making data and CI useful and usable in lessening data wrangling, capturing workflows for reproducibility, and improving adoption by using familiar interfaces; identifying our audiences to deliver tools and content to meet the needs. A year into the formation of the institute, the team has released a seamless and scalable platform to support computational intensive and complex scientific workflows. The team is developing tools, methods, and educational curriculum and material around geospatial data and computation to be shared with the HDR community.

Data & Cyberinfrastructure

Education and Outreach

Research

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Session Classification: Data and Cyberinfrastructure Panel