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## ENERGIZE NEW MEXICO **CYBERINFRASTRUCTURE**

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YEAR 3 ANNUAL REPORT: RESEARCH

Cyberinfrastructure (CI) plays a critical role in *Energize New Mexico*, enabling collaboration across all project components, and creating a simple process to discover and use the learning modules and data NM EPSCoR develops. Each *Energize New Mexico* team has a CI team liaison to better support research and data management efforts so research findings can be included in the EPSCoR data portal.

*Through the Energize New Mexico grant, NM EPSCoR is making it easier for scientists, educators, and the public to discover, acquire, and use data.*

In Year 3, the CI team developed a process for metadata (data about data) entry, as well as a data transfer process and interface for the project's integrated data storage portal. The team consolidated data management, analysis, and visualization tool descriptions into the portal and developed a database model for capturing metadata for external data sources. NM EPSCoR is currently a DataONE Tier 4 member node, allowing for collaborations with national and international data networks. The team also initiated a collaboration with the Open Science Framework to develop use cases for expanding the capabilities of its platform to support private cloud platforms for shared data management.