

Title: Expanding and Growing the ESS-DIVE Repository Community

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BER Program: ESS

Project: DOE Lab-led project (Lawrence Berkeley National Laboratory)

Project Website: <https://ess-dive.lbl.gov/>, <https://data.ess-dive.lbl.gov/> (repository)

Project Abstract:

The Environmental System Science - Data Infrastructure for a Virtual Environment (ESS-DIVE) serves as the repository for archiving data generated by ESS projects. The ESS-DIVE repository provides long-term stewardship and use of data from observational, experimental, and modeling activities within the DOE's Environmental System Science program (ESS). The ESS-DIVE repository is designed as a scalable framework allowing ESS data providers to contribute standardized, structured, and high-quality data that enables users to develop data processing, synthesis, and analysis capabilities using its data along with external data available from partner systems.

The ESS-DIVE project objectives are:

- Expanding data archiving across the ESS community;
- Enhancing the data package lifecycle to support cradle to grave archiving;
- Support for archiving larger datasets including model data;
- Capabilities for advanced search, discovery, access, and reuse of FAIR ESS data;
- Scalable, robust production and data preservation systems; and
- Building and supporting an engaged user community.