Poster #BF-Hall

ESS-DIVE Publishing Life Cycle and Community Outreach

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Project: ESS-DIVE
Project Website: http://ess-dive.lbl.gov

Wondering where to archive your DOE ESS project data? The new DOE Environmental Systems Science Data Infrastructure for a Virtual Ecosystem (ESS-DIVE) is here to help. ESS-DIVE accepts user data as "data packages," which are best described as a collection of related data files and metadata. These may be data from a sensor or a network of sensors, data from a field campaign or experiment, software for analysis or modeling, model setup and results. The current publishing life cycle involves the following steps: (1) A user wishing to submit data to the archive gathers the files to be included in a data package, and uploads them via a web portal, (2) The user specifies metadata associated with the data package, including author and citation information, as well as related references. This information can be updated at a later date, (3) The user submits the data package, and receives a system-assigned unique identifier for the data package, (4) When ready, the user shares the data publicly. The ESS-DIVE team checks the data prior to release, and a DOI is assigned. The data package becomes available for search on the ESS-DIVE data portal. The data contributor will be able to track data downloads and usage.

ESS-DIVE seeks to transform the way data from ESS research is stored and accessed by engaging the scientific research community in adopting consistent standards and protocols for data and metadata archival that improve data access. As a result, ESS-DIVE is designed to be a partnership with the scientific community, including individual DOE projects/programs, DOE cyberinfrastructure groups, and data users. The ESS-DIVE team is working to build close relationships with each of the DOE ESS projects across labs and universities with site visits, webinars and tutorials. ESS-DIVE will provide letters of support for proposers seeking to include ESS-DIVE as part of their data management plan. Additionally, ESS-DIVE is working closely with two DOE advisory groups, namely ESS-DIVE's Archive Partnership Board consisting of the leads of major ESS projects, and the ESS Cyberinfrastructure Working Groups and Executive Committee.