Title: **ESS-DIVE Publication Workflow: Publishing High Quality Data Packages with ESS-DIVE**

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Abstract: With the growing necessity for open access data, researchers are required to play the roles of both data provider and publisher. The Environmental System Science Data Infrastructure for a Virtual Ecosystem (ESS-DIVE) data archive provides a publishing workflow to increase the accessibility of data produced by earth and environmental science projects funded by the Department of Energy. ESS-DIVE uses a semi-automated set of processes that result in immediate response upon publication request with subsequent easy-to-follow steps to guide data providers in preparing their data packages for publication. We will provide an overview of the ESS-DIVE publication process and describe how we use a combination of automated metadata checks coupled with a manual review checklist to efficiently publish data packages on ESS-DIVE. Using this publication workflow, ESS-DIVE moves toward meeting the challenge to efficiently disseminate diverse datasets that meet FAIR principals.