Title: Designing the ESS-DIVE Repository to be Trusted by the Community and FAIR

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Project Abstract: The US Department of Energy's (DOE) Environmental Systems Science Data Infrastructure for a Virtual Ecosystem (ESS-DIVE) data repository is still relatively new and growing. The focus of the repository has been on three areas of development: data access capabilities, standardization of data, and services to support projects providing data to the repository. Our approach is designed around user experience methods and involves significant discussion and involvement of the community in the design and development of capabilities. The priorities of the repository are continually revised and refined based on input from the community. We are following the developments of CoreTrustSeal and FAIR principles for data, and they are targets we hope to achieve in the future. This poster provides an overview of ESS-DIVE, its features, and the vision for the next phase of ESS-DIVE.