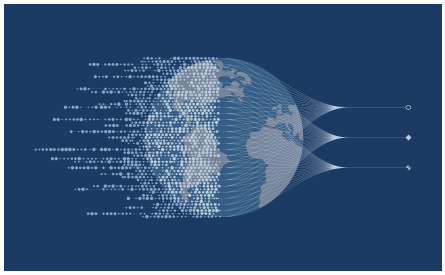

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workflows for seismic patrimony

The discovery and vectorization of legacy seismic data are two of the barriers to the (re)use of seismic data recorded on physical media. Challenges to use include imaging the large numbers of records, metadata discovery and curation, and the creation of time series accessible to modern processing methods. Here we describe and demonstrate progress on the development of an open source web-enabled data pipeline that aligns with FAIR practices and incorporates FDSN data exchange standards for legacy seismic data. The project workflow begins with the digitization of seismograms from the Caltech Seismological Laboratory, though any image can be utilized. The image will be uploaded to the Archiverse platform which will be configured to extract and curate recorded station metadata as well as researcher annotations. The project build upon the open-source SKATE (https://seismo.redfish.com/#/) platform for vectorization, which can be used by any researcher with an internet connection. As the project is in its early stages, we seek input for developing a robust tool which will meet the needs of a broad range of researchers and contribute to the growing knowledge of FAIR practices in seismic legacy data curation.

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