



ID: P2.4-145

Type: E-poster

Federation of Online Legacy Data Centres in Seismology (FOLDS)

FOLDS is a system being developed enabling seismological data centres with legacy data collections to create, curate and distribute standardized metadata and image files related to analog seismic records. The system will promote data reuse, following FAIR principles, leveraging a new suite of International Federation of Digital Seismograph Networks (FDSN) web services similar in capability to the current FDSN services supporting digital timeseries. These services will allow access to metadata and digital representations of analog recordings by Internet through a federation of data centers operating the FOLDS system. This allows a distributed approach to the generation of the metadata as well as distribution of digital images and metadata. Data can be replicated in multiple centres if desired.

A key part of FOLDS was the identification of 19 Required, 25 Recommended, and 12 Optional elements of metadata needed. FAIRness considerations were identified for Required elements. This process kept the workload reasonable but ensures data usability.

Currently 12 geographically distributed legacy data centres have agreed to participate as beta testers of the system. The resulting collection of standardized metadata and web services will greatly contribute to legacy data availability.

This presentation identifies the status and next steps in FOLDS' development.

E-mail

tim-ahern@comcast.net

In-person or online preference

Primary author: Dr AHERN, Tim (EarthScope)

Co-authors: Dr HWANG, Lorraine (University of California Davis (UC Davis)); Dr BATLLÓ, Josep (Institut Cartogràfic i Geològic de Catalunya –ICGC); Dr QUINTEROS, Javier

Presenter: Dr AHERN, Tim (EarthScope)

Session Classification: P2.4 Historical Data from Nuclear Test Monitoring

Track Classification: Theme 2. Monitoring events and Nuclear Test Sites: T2.4 Historical Data from Nuclear Test Monitoring