Legacy data workshop

- Step 1 Overview
- Step 2 Breakout 4
  - Review metadata lists for completeness of metadata types
- Step 3 Breakout 5
  - Identify Use Cases related to DISCOVERY AND ACCESS of scanned images
- Step 4 Metadata Polling Individual Survey Monkey exercise 30 minutes
  - Everyone prioritizes metadata requirement into one of four types
    - Required
    - Recommended
    - Optional
    - Strawman elements that should not be included
An essential element of the SEED Manual is that it identifies and defines required metadata for exchanging digital time series data.
The metadata portion of the workshop is trying to identify
- **required**,  
- **recommended**,  
and  
- **optional**  
metadata to accompany legacy data.

More important may to identify metadata that
Metadata for scanned images

- Metadata reviewed from
  - USGS/ASL
  - NOAA/NCEI
  - INGV
  - Central Asia (Tajikistan, Kyrgyzstan, Kazakhstan)
    - Kevin Mackey DoE funded project USGS/NEIC
    - Paul Richards
    - Miaki Ishi

- Need to contact broader audience
Responses to date show there is no set of standard metadata. Identified types of metadata and generally they group into the following categories (39 elements identified):

- *Time period of the scanned image*
  - 3 elements

- *Stations and channels*
  - 11 elements

- *Sensors*
  - 7 elements

- *Recording Systems*
  - 4 elements

- *Image file*
  - 12 elements

- *Other*
  - 2 elements
The need for standardized metadata

- Standardized metadata enhances the research community’s ability to make full use of the data
- Allows repositories that manage such data to develop appropriate tools and services to enable data to be:
  - Findable/discoverable
  - Accessible and usable
  - Interoperable
  - Reproducible science