

Making Metadata Easy

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Statement of Work

Purpose

This Statement of Work outlines the plan for use of the FUNding Friday ESIP Member award received at the 2016 ESIP Summer Meeting in Durham, North Carolina.

Background

GeoNetwork is an open source tool that can be leveraged to make a plain english webform for metadata record and collection creation and curation efforts. GeoNetwork can read and write many metadata dialects, and has ISO 19115(-x) capabilities out of the box. GeoNetwork can be taught to read and write standards based metadata written in XML using xsd/dtd descriptions of the structure of the dialect, and transform using xsl.

Work has been done at HDF Group to identify concepts that appear in many different dialects. For example, every dialect used in earth science contains an element used to describe title. This structural location or xpath is different in each dialect but conceptually they are all the title of the resource.

Different organizations have recommendations on the content of a metadata document. These recommendations can be thought of in terms of the concepts identified at HDF Group. Integrating these recommendations into a GeoNetwork instance as a webform would allow the creation of metadata that is easy to understand and implementable in multiple metadata dialects.

The FUNding Friday poster created and presented at the 2016 ESIP Summer Meeting was based on combining these ideas to create a tool that makes metadata record creation and content curation easy for data curators and scientists.

Tasks

1. Create GeoNetwork instance.
2. Explore integration of the Ecological Metadata Language and the Content Standard for Digital Geospatial Metadata dialects and HDF concepts.
3. Create webform for a recommendation using HDF concepts.
4. Make and edit metadata.

Deliverables

Poster Presentation at 2017 ESIP Winter Meeting.

Assumptions

1. The first half of the award will be received at the beginning of the project. When the poster is presented at the Winter 2017 Meeting in Bethesda MD, the second half will be recieved.
2. Travel to the Winter Meeting is covered by ESIP.