Making Metadata Easy
A Recommendations Based Approach To Documentation using GeoNetwork

Proposal
• GeoNetwork is a standards based editor and catalog
• Community recommendations facilitate quality metadata
• Standards based documentation can be difficult to write well
• Simple, editable webforms

Process
• Research GeoNetwork, read documentation
• Use Github to build a development instance of the application
• Focus on integration of recommendations into editor using views
• Implement a schema plugin for ISO 19115-3
• Use ISO 19115-3 as template dialect
• Alter ISO 19115-3 schema plugin to display HDF concept names and descriptions
• Find transforms to facilitate ingest and export in other dialects
• Explore possibility of using export API to create collections analysis workflows and dialect selection
• Utilize Open Science Framework and Github to document and share research

Workflow
- Clone and branch core-geonetwork
- Clone and branch metadata101/ISO_19115-3
- Create FUNding Friday MME repository

Why not...
• Ingest EML?
• Export CSDGM or EML?
• Why not Docker?
• Why not SQLite?

Statement Of Work

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

Deliverables
Poster Presentation at 2017 ESIP Winter Meeting

Results
• Supports ingest of DataCite, CSDGM, DIF, ECHO, ISO 19115, ISO 19115-2, ISO 19115-3, and Dublin Core
• Transforms to ISO 19115-3 or ISO 19115 on ingest which can then be transformed to ISO 19115-3 for editing
• Created views for the ISO 19115-3 for Data Discovery as well as DataCite
• Implement a schema plugin for ISO 19115-3
• Use ISO 19115-3 as template dialect
• Alter ISO 19115-3 schema plugin to display HDF concept names and descriptions
• Utilize Open Science Framework and Github to document and share research
• Find transforms to facilitate ingest
• Explore possibility of using export API to create collections analysis workflows and dialect selection

What’s next?
• Build export workflows that integrate Quick Evaluation, Translation Proofing, and RAD analyses
• Collect community dialect transforms for ingest (dialect into ISO 19115-X)
• Collect and build community transforms for export (ISO 19115-3 to dialect)
• Find hosting to offer the FUNding Friday GeoNetwork as a service
• Automate creation of recommendation views from HDF AllCrosswalks to facilitate continuous integration
• Create fork to make FUNding Friday MME easily accessible
• Find funding to accomplish these tasks

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