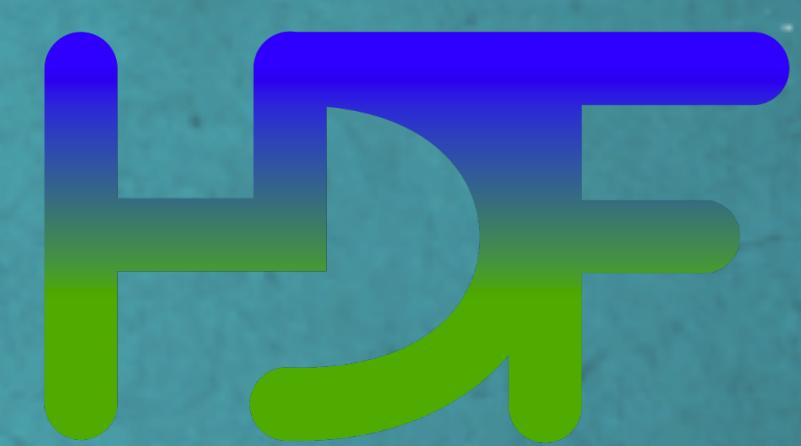




# Making Metadata Easy

## A Recommendations Based Approach To Documentation using GeoNetwork

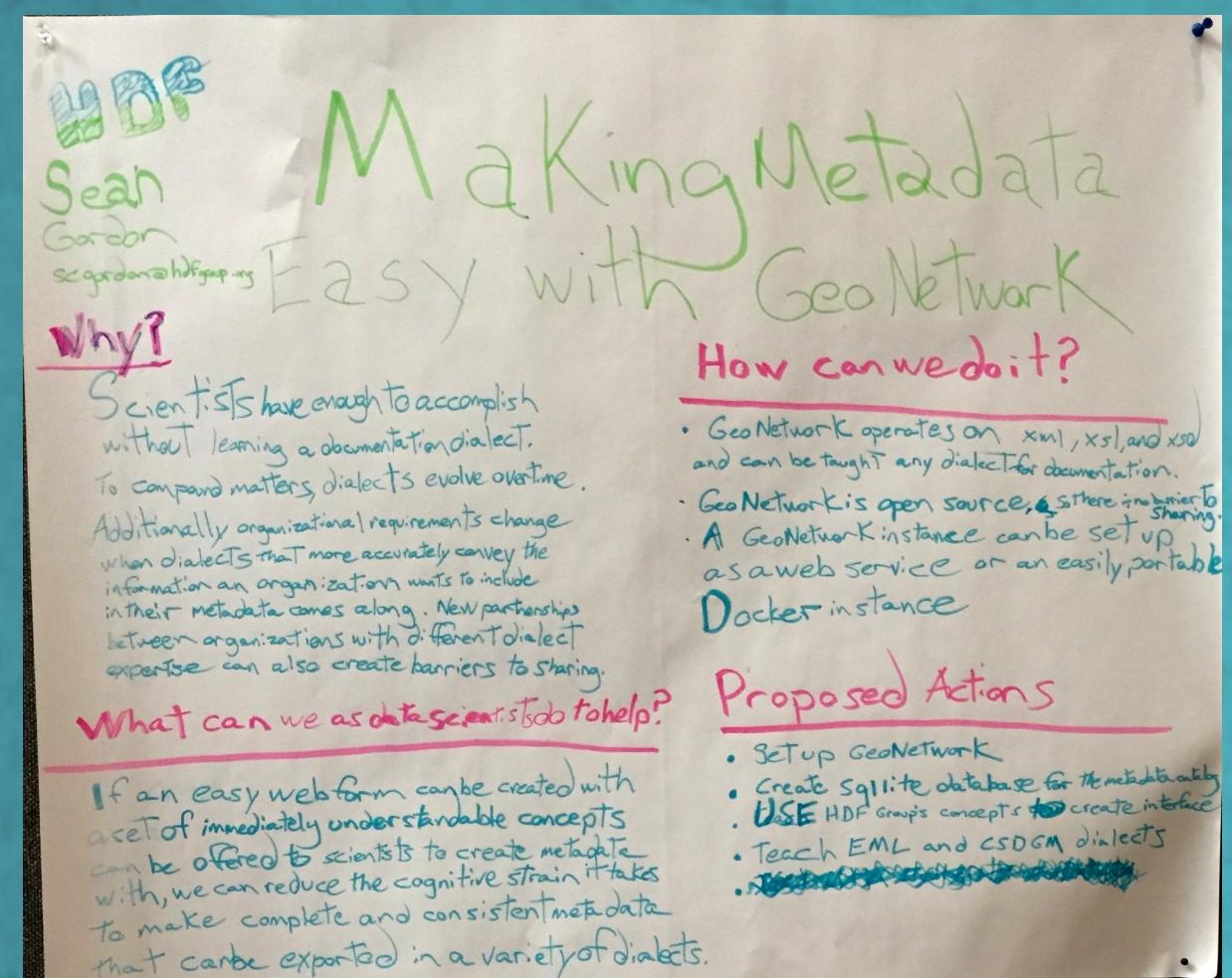


Sean Gordon

(scgordon@hdfgroup.org)

### 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



<https://goo.gl/0SmY5I>



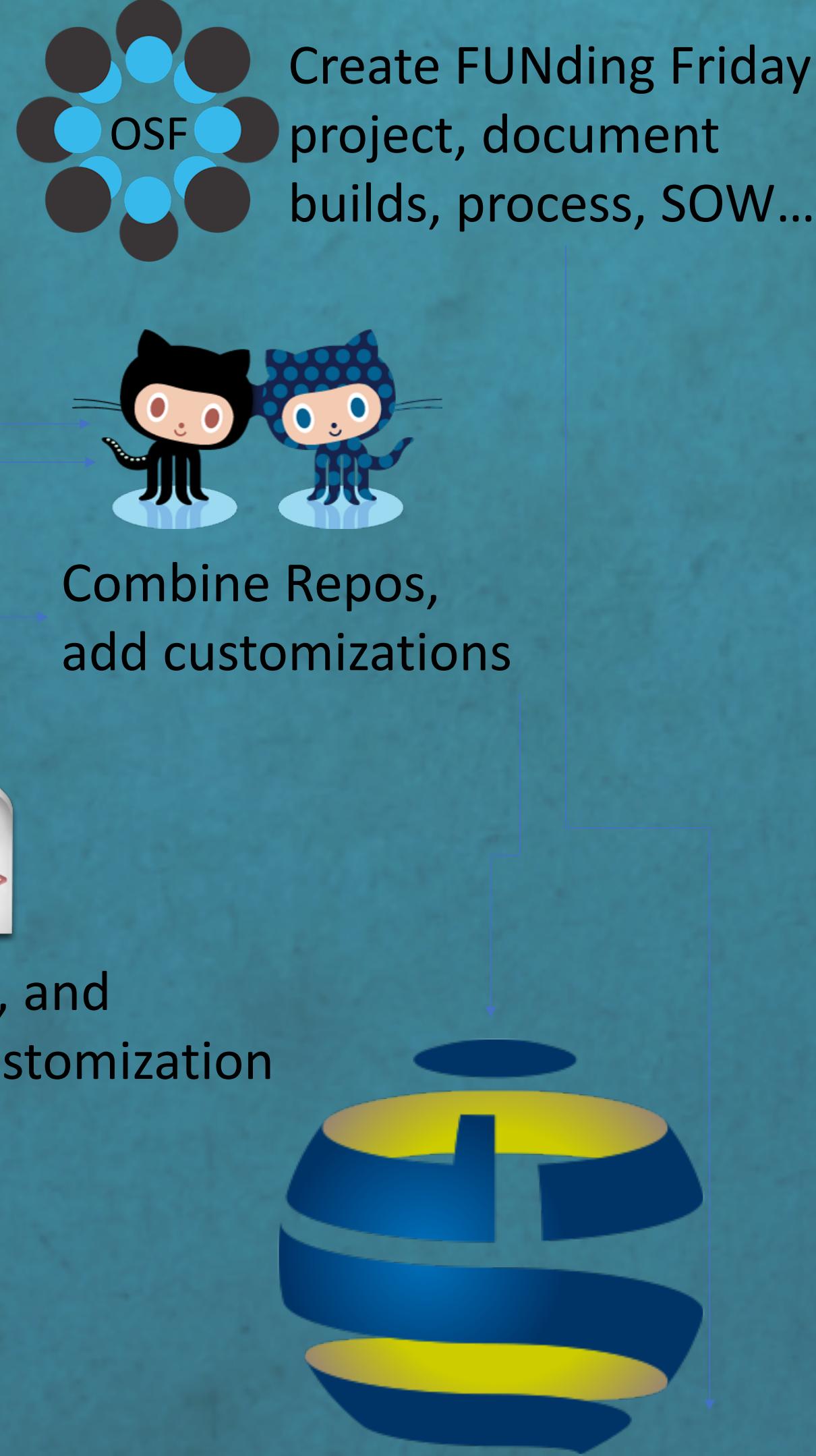
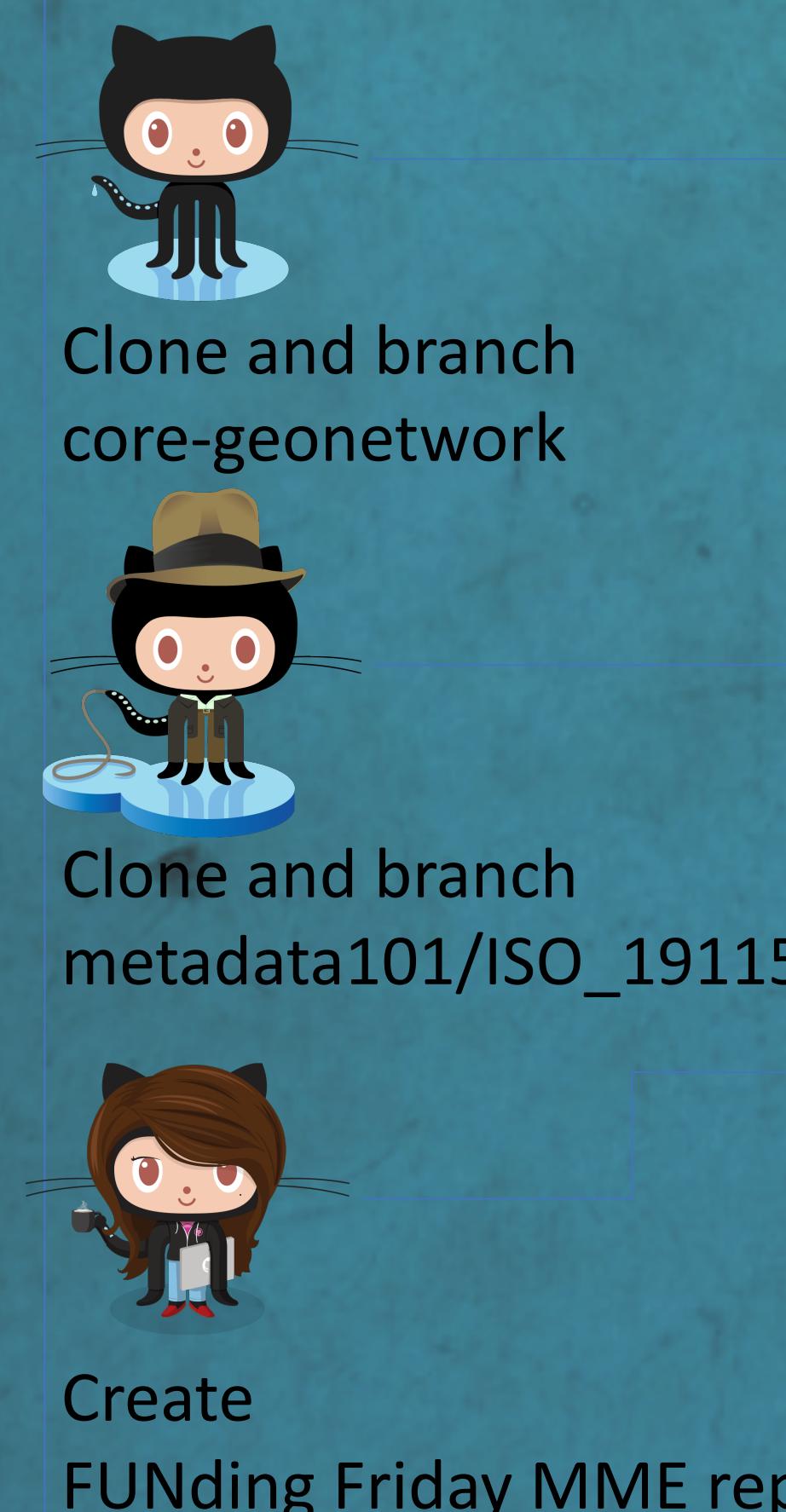
### Process

- 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



<https://goo.gl/Uz7PCs>

### Workflow



### Why not...

- Ingest EML?
- Export CSDGM or EML?
- Why not Docker?
- Why not SQLite?

FUNDing Friday: Making Metadata Easy

<https://goo.gl/9cVNQ1>



### 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

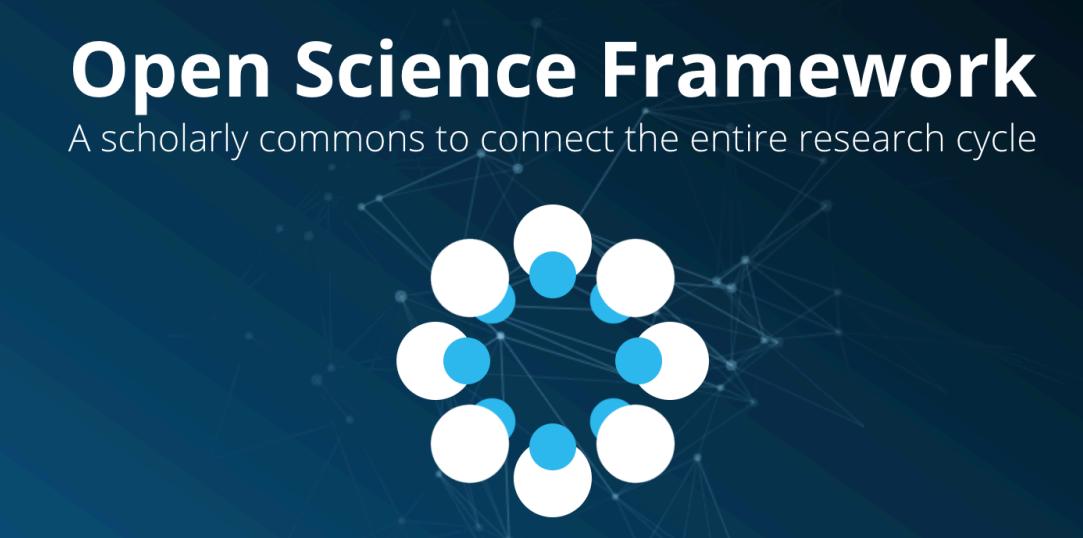
#### Deliverables

Poster Presentation at 2017 ESIP Winter Meeting

<https://goo.gl/TBg5zT>



### Toolkit



### 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