

Investigation of RAMADDA-like Systems

Unidata Users Committee Meeting

18 April 2013

Alternatives Investigated

- ScienceBase - from USGS, Ft Collins
 - Formerly known as Data Uploader
 - Data access services: currently connects to GeoServer (interested in connecting with TDS)
- Science Gateway Framework (SGF) - from NCAR/CISL
 - Data access services using external systems: TDS, GlobusOnline, GridFTP
- ncETL - from USGS, Wisconsin
 - Prototype dataset aggregation and metadata web interface for TDS
- CKAN.org
 - Upload with metadata, no data access services
- DataOne
 - Upload with metadata, no data access services

Summary

- All systems support
 - uploading data (and other digital objects)
 - adding metadata
 - Discovery (SGF and DataOne support federated search)
 - HTTP download
 - Some sort of RESTful Web API
- Some support more advanced data access services:
 - Not integral to any of these systems
 - ScienceBase and SGF integrate with external systems (e.g., GeoServer, TDS, GlobusOnline, GridFTP)
 - Not sure about CKAN and DataOne
- None support server-side processing