

# DA3 Metadata Schema Registry

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# Objectives

(taken from DART bid document)

- “Reduce wasted effort on creating metadata schemas and improve interoperability of metadata schemas.”
- “Develop software (or use existing open source software) to enable users to **create** new schemas, **submit** schemas to the registry and **search** and **browse** the registry”



## Background

- What is a metadata schema registry?
- Characteristics:
  1. Formats supported
  2. Enforcement of a common model
  3. Domain coverage
  4. Level of access control
  5. Interfaces and APIs supported



## DART Metadata Schema Registry

1. XML and RDF schema formats
2. No enforcement of a common model
3. Scientific domains (possibly specific to climatology or crystallography)
4. Access control based on DA1 and AA2 packages
5. Human interfaces for search, browse and retrieval.



# Metadata Schema Registries

- JISC Information Environments Metadata Schema Registry (IEMSR)
  - Digital Libraries domain and uses Dublin Core as a core model
  - Consists of a data server, java webclient interface and desktop editing application
- SchemaWeb
  - Open repository for schemas and ontologies from all domains
  - Provides interfaces for both human and software agents
- Metadata Online Registry (METeOR)
  - Australian Institute of Health and Welfare
  - Health and community services statistics

# Interface Mockup



## Metadata Registry

home submit browse search update help logout

### Submit schema via URI

- self host
- host at DART

Next

### Submit schema from local file

Browse

Next

### Submit schema via direct input

Next



## Future Work

- Schema validation
- Integration of interface with IEMSR data server
- Security and access control (AA2, DA1)

## Documents available

- Survey of Metadata Registries
- Usage Scenario
- Online Interface Mockup