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
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