Registry Interop Summary

IVOA Interoperability meeting

Cambridge, Boston, MA

24-28 May 2004

Sessions

- Session 1
  - Bob Hanisch: RM update
  - Ray Plante: Resource Schema update
  - Paul Harrison: Questions on Schema structure
- Session 2
  - Ray Plante: OAI-based harvesting
  - Kevin Benson: Registry Interface spec
  - Gretchen Green/Wil O'Mullane: Searchable Registry in NVO
  - Kevin Benson: XQuery-based searching in AstroGrid
  - Matthew Graham: The Caltech NVO Registry
  - Martin Hill: Resource Names vs Locators
- Session 3
  - Paul Harrison: Application resource schema in AstroGrid
  - Ray Plante: IVOA Identifiers update
  - Bob Hanisch: Registry Data Curation
- See InterOpMay2004ResReg wiki page for presentations
- Thanks to all presenters

Session Decisions: General

- Types are defined in RM
  Documents are defined in RI
- Will promote v1.1 of Identifier spec to PR status & thence to REC
- Implement owned/managed authorityID to cater for Publishing/Full registries

Session Decisions: Schema

- Level of hierarchy will be as in RM v1.01
- Switch to type-based schemas (vs subs group)
- Logical-id will be defined via a second relationship (rather than via direct attribute)
- Service types as a sub-class of Resource (rather than extending Capability)
- Organisation type definition will be moved into the base VOResource definitions
- Referred resources will be via *ivo-id* attribute
- The metadata describing a registry will include a flag indicating whether it is a *full* or *publishing* registry

Session Decisions: Interface

- An IVOA Registry **must** support OAI-PMH protocol for harvesting via HTTP GET, returning **at least** *oai_dc* and *ivo_vor* metadata formats using standard data criteria
- The IVOA Registry Harvesting protocol will be web service-based and will conform to the full OAI-PMH specification: details will be worked out on the mailing list
- An IVOA Registry **must** support the Keyword Search as specified in the RI document
- An IVOA Registry **must** support a Full Query facility (interface tbd) using the WHERE clause of the ADQL schema with field names specified using non-namespaced XPath directives (simple, ie no [...] options), and returning full resource entries

Roadmap for 2004

Revised RMS v0.10	Ray	*done*
Revised RI spec v0.11	Kevin	15 Jun
Implement Keyword query interface	NVO/AG	end July
Implement Full query interface	NVO/AG	end July
Run inter-project harvesting trials	all	from 01 Aug
Trial inter-project query (app→reg)	NVO/AG	from 01 Aug

Basis for Jan 2005 demos

Sept'04 Interop meeting

- Discuss implementations
  - Harvesting
  - Query
- Determine fix schedule
- Decide on shape of Jan'05 demos wrt Registry
- Look at:
  - Science Resource / Service split
  - Application resource description
  - SELECT clause in full query
  - from Data Model group:
    - Data Resource description based on (Catalog) DM