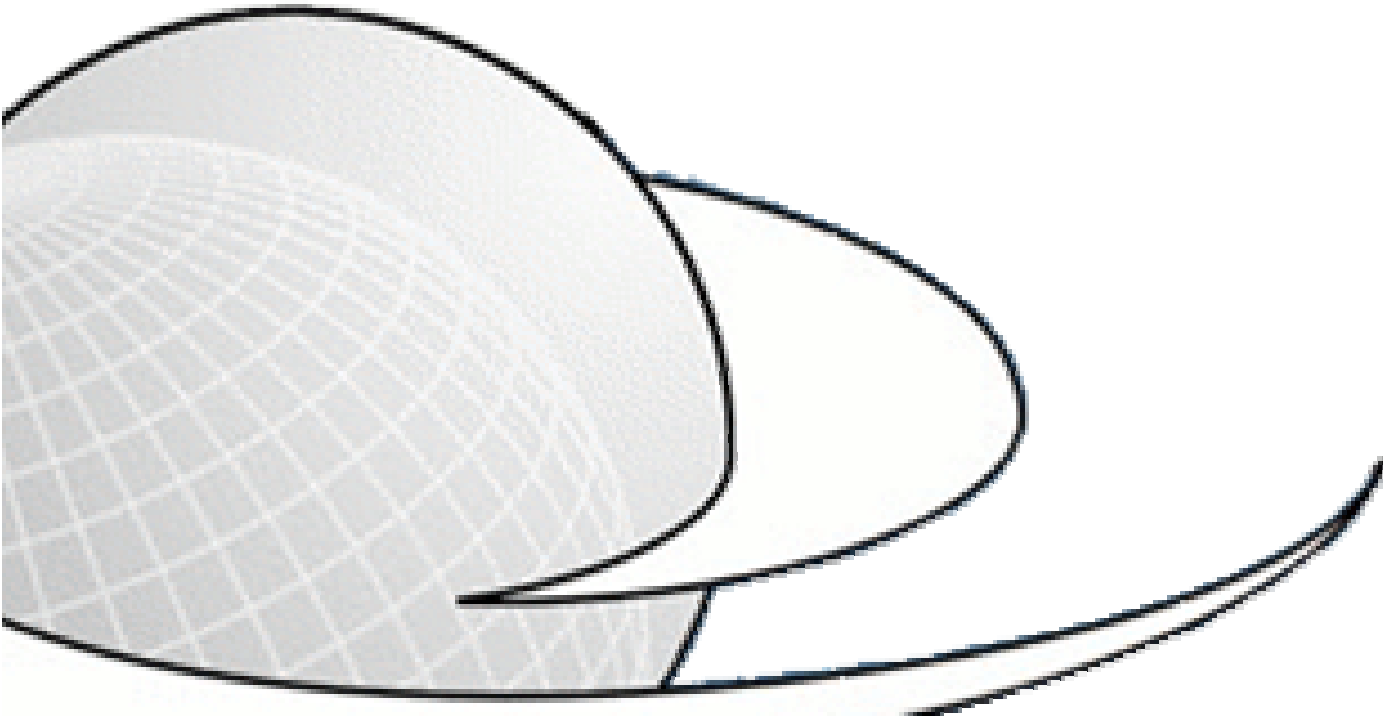


Status from the NVO and beyond

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19 September 2006
IVOA Interoperability Meeting



Registry Upgrades in the NVO

- Carnivore @ Caltech
 - XML-based database
 - 50% complete: search service interface
 - Total work appears not to be a lot
- STScI/JHU
 - MS SQLServer-based
 - 10-20% complete
 - Looking at leveraging XML support
 - Support for XQuery?
- NCSA Publishing Registry
 - 50% complete (harvesting interface)
 - Implementation will likely migrate to Carnivore
- Other Registries
 - HEASARC: not started, will just apply stylesheet to records
 - CfA: will use updated Carnivore



Unified Approach to Publishing

- Combine best features of all NVO registries
 - In-line documentation, tips for quality
 - XForms to support dynamic forms
- Run as a separate service
 - Output is a VOResource record
 - Can download or submit to registry



Security

- Run Publishing portals using NVO User Authentication Server
 - NVO Single Sign-on framework
 - User identity database managed by NVO
 - Can use single login to register with any NVO Registry
 - Proposed framework for IVOA
 - See GWS for details,
<http://nvoapp1.ncsa.uiuc.edu/>
 - Keeping track of “home” registry less important



General RWG Progress

- Stylesheets
 - Need to add support for...
 - SkyNodes
 - CEA?
- Search Client Library and Tool
 - Motivation: test/validate our search interfaces
 - Download from Twiki: [RegSummerUpgrade2006](#)
 - Supports all methods
 - Can optionally display sent and returned SOAP messages
 - Catches most implementation errors
 - Does not catch missing service namespace specification



Registry of Registries (RofR)

- Harvesting interface released in July
 - For testing harvesters
 - Registry publishing interface in progress
 - Does a full validation of harvesting interface (GET only)
 - Validates all existing records
 - Tests all OAI methods according to RI
 - Calls out to OAI tester in South Africa
 - Adds local tests for RI profile
 - Asks after validation, register?
- Using the RofR for full harvesting
 - With each harvesting cycle...
 - Access RofR at <http://rofr.ivoa.net/cgi-bin/rofr/oai.pl> with ListRecords set=ivoa_registries from=...
 - Harvest from each registry listed with set=ivo_managed
 - One of the registries will be the RofR
 - Harvesting w/ set=ivo_managed will return
 - RofR Registry record
 - Standards description records
 - ...

This documentation will be recorded in IVOA Note