

# **Astrogrid Status with Registry**

- ★ Recap of Cambridge
- ★ State of Play
- ★ Best Practices
- ★ Still Needing
- ★ Issues



# Recap of Cambridge

- ★ New Registry Interface
  - Query Interface that includes ADQL as the main query mechanism.
  - OAI interface for harvesting.
- ★ Simplified Schema of VOResource 0.10
  - Mainly getting rid of substitution groups
  - Simplify the schema down.



# New Interface

## Registry Interface

**Search(ADQL)**

**KeywordSearch(String words,boolean orValue)**

**GetRegistries**

**Identify**

**GetRecord**

**ListMetadataFormats**

**ListSets**

**ResumeListSets**

**ListIdentifiers**

**ResumeListIdentifiers**

**ListRecords**

**ResumeListRecords**



# New Schema

## 0.9

```
<vg:Registry updated="2005-11-04T15:34:22" status="active" >
  <Identifier>
    <AuthorityID>test.registry</AuthorityID>

<ResourceKey>org.astrogrid.registry.RegistryService</ResourceKey>
</Identifier>
<Title>Astrogrid localhost test Registry</Title>
<Summary>
  <Description>
    This is the Astrogrid localhost test main registry currently holding datate for MSSL, Cambridge Community, and Edinburgh-ROE Myspace.
  </Description>
  <ReferenceURL>http://localhost:8080/</ReferenceURL>
</Summary>
<Type>Archive</Type>
<Curation>
  <Publisher>
    <Title>MSSL Registry</Title>
  </Publisher>
  <Contact>
    <Name>Integration tests</Name>
    <Email>int@localhost.com</Email>
  </Contact>
</Curation>
<vg:ManagedAuthority>test.registry</vg:ManagedAuthority>
<Interface>
  <Invocation>WebBrowser</Invocation>
  <AccessURL
use="full">http://msslxy.mssl.ucl.ac.uk/astrogrid-registry-SNAPSHOT/OAIHandlerv0_9</AccessURL>
  </Interface>
</vg:Registry>
```

## 0.10

```
<vr:Resource xsi:type="vg:Registry"
updated="2004-09-04T15:34:22Z" status="active">

<identifier>ivo://astrogrid.org/org.astrogrid.registry.RegistryService</identifier>
<title>Astrogrid Full Registry</title>
<curation>
  <publisher>Main Astrogrid Full Registry</publisher>
  <contact>
    <name>Tony Linde</name>
    <email>ael@star.le.ac.uk</email>
  </contact>
</curation>
<content>
  <description>Main Astrogrid Registry for the Full Registry.
  </description>

<referenceURL>http://www.ivoa.net/</referenceURL>
L>
  <type>Archive</type>
  <subject>registry</subject>
</content>

<vg:managedauthority>astrogrid.org</vg:managedauthority>
  <interface xsi:type="WebBrowser">
    <accessURL
use="full">http://hydra.star.le.ac.uk:8080/astrogrid-registry/OAIHandlerv0_10</accessURL>
    </interface>
</vr:Resource>
```



# State of Play

- \* Conform to new Query Interface
- \* Conform to new OAI Interface (Web Service and Web Browser) – except ListSets
- \* The Search Interface supports ADQL 0.7.3, 0.7.4, and 0.8.1 soon.
- \* Support for version 0.9 and 0.10
- \* Harvesting Registries (CDS/Vizier, NVO) for 0.9 and 0.10
- \* Attempts to harvest Services via the Support Interface “getMetaData”
- \* Astrogrid components still on version 0.9
- \* Self Registration system
- \* Extensions to the Schema – CEA and MetadataTables



# Best Practice

- ★ Do harvesting by Date (only replicate the first time)
- ★ Never delete anything just update.
- ★ Use GetRegistries for discovering new Resources
- ★ \*Self Registration



# Still Lacking

- ★ Curation and Update Process
- ★ Support Interface
- ★ Testing out new Query interface with external Registries (NVO)
- ★ PUSHING EXTENSTIONS THROUGH IVOA
  - VoStore
  - CEA (or representing Tools such as command line Tools)
  - MetaDataTables (?)
  - VoSpace



# ~~New Issue~~ OLD

- ★ Fine Grained vs. Coarse Grained
  - May not matter depending on Support Interfaces

