



# Registry Activities

AIDA WP6

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# Registry of Registries

<http://rofr.ivoa.net/> (6/15 Registries)

## Welcome to the Registry of Registries

The Registry of Registries (RofR, pronounced *roveR*) is an IVOA publishing registry operated on behalf of the International Virtual Observatory Alliance (I<sup>2</sup>V). The existence of all publishing registries known to the IVOA. When a resource metadata harvester harvests from these publishing registries, they can discover RofR is documented in the IVOA Note, The Registry of Registries.

If you maintain a publishing registry and you are ready to let it be known to the outside world, you can register it here. Before you are allowed to register, that you can use the registry validator to check your registry without actually registering it.

### Currently Registered Publishing Registries

#### Heasarc Publishing Registry

**IVOA Identifier:** `ivo://nasa.heasarc/heasarc.xml`

**OAI service endpoint:** `http://heasarc.gsfc.nasa.gov/cgi-bin/OAI2/XMLFile/nvo/oai.pl`

#### VizieR publishing registry

**IVOA Identifier:** `ivo://CDS.VizieR/registry`

**OAI service endpoint:** `http://cdsweb.u-strasbg.fr/reg-bin/vizier/oai.pl`

#### Caltech NVO Registry

**IVOA Identifier:** `ivo://nvo.caltech/registry`

**OAI service endpoint:** `http://nvo.caltech.edu:8080/carnivore/cgi-bin/OAI-XML/carnivore/OAI.pl`

#### voparis registry

**IVOA Identifier:** `ivo://obspm.fr/org.astrogrid.registry.RegistryService`

**OAI service endpoint:** `http://voparis-astrogrid.obspm.fr:8080/astrogrid-registry/OAIHandler1_0`

#### WFAU Publishing Registry

**IVOA Identifier:** `ivo://wfau.roe.ac.uk/org.astrogrid.registry.RegistryService`

**OAI service endpoint:** `http://publishing-registry.roe.ac.uk:80/astrogrid-registry_v1_0/OAIHandler1_0`

#### Leicester Publishing Registry

**IVOA Identifier:** `ivo://uk.ac.le.star/org.astrogrid.registry.RegistryService`

**OAI service endpoint:** `http://manaslu.star.le.ac.uk/astrogrid-registry-Leicester/OAIHandler1_0`

#### NCSA Publishing Registry

**IVOA Identifier:** `ivo://nvo.ncsa/registry`

**OAI service endpoint:** `http://nvo.ncsa.uiuc.edu/cgi-bin/reg10/oai.pl`

#### JVO Publishing Registry

**IVOA Identifier:** `ivo://jvo/publishingregistry`

**OAI service endpoint:** `http://jvo.nao.ac.jp/publishingRegistry1.0/oai.pl`

#### CASU publishing registry

**IVOA Identifier:** `ivo://uk.ac.cam.ast/org.astrogrid.registry.RegistryService`

**OAI service endpoint:** `http://astrogrid.ast.cam.ac.uk/CASU-registry/OAIHandler1_0`



# Registry Standards

- Registry Interfaces v1.0
  - Resolved final issues at October InterOp 08
  - ADQL/x v1.0 to be used and included in the Doc
  
- VODataService XSD v1.1
  - Various modifications endorsed at InterOp 08
  - Interdependent with TAP and VOSI
  
- Next Services schema :
  - stable and in usage : SCS, OSN, SIA, SSA
  - in development : VOApp, VOStandard
  - non-existent : SLA, TSA, TAP



## Registry Future

- ❑ Tree View Prototype from AstroGrid :  
<http://ag02.ast.cam.ac.uk/registry/tree>
  
- ❑ VOTable response to Registry Search (NVO) :  
<http://nvo.stsci.edu/vor10/NVORegInt.aspx>
  
- ❑ TAP-like interface proposal from ESA :
  - use SELECT part of query, not just WHERE
  
- ❑ Google-like Keyword Search interface (AstroGrid) :
  - REST, quotes, logic, filters, wildcards, ...
  
- ❑ Common Publishing toolkit : easier Resource creation