



EuroVO-AIDA

Euro-VO Astronomical Infrastructure for Data Access

D3.1

–

Euro-VO Registry of resources

Final Version

Grant agreement no: 212104

Combination of Collaborative Projects & Coordination and Support Actions



DOCUMENT INFORMATION

Project

Project acronym: EuroVO-AIDA
Project full title: Euro-VO Astronomical Infrastructure for Data Access
Grant agreement no.: 212104
Funding scheme: Combination of Collaborative Projects & Coordination and Support Actions
Project start date: 01/02/2008
Project duration: 30 months
Call topic: INFRA-2007-1.2.1 Scientific Digital Repositories
Project web sites: <http://www.euro-vo.org/pub/general/intro.html>
<http://cds.u-strasbg.fr/twikiAIDA/bin/view/EuroVOAIDA/WebHome>

Document

Deliverable number: D3.1
Deliverable title: Euro-VO Registry of resources
Due date of deliverable: October 2008
Actual submission date: 13 January 2009
Authors: C.Arviset, P.Osuna (ESA)
Work Package no.: WP3-SA1
Work Package title: Service Activities in support of deployment of IVOA protocols and standards
Work Package leader: ESA
Lead beneficiary: ESA
Dissemination level: PU
Nature: Other
No of pages (incl. cover): 7

The planned D3.1 deliverable was initially to have the Euro-VO Registry setup by October 2008, through the following tasks to be performed mainly by the ESA partner:

1. Convert ESA-VO full Registry into Euro-VO Registry
2. Finalize migration to new IVOA Registry of Resources v1.1
3. Make it available from the Euro-VO web pages
4. Announce it at IVOA level and European level

Nonetheless, due to workload reasons and internal difficulty within ESA, we have to slightly modify the dates for this deliverable and the new plan, discussed at the first EuroVO-AIDA Work Package Management Team meeting (WPMT) on 20th-21st November 2008 (Villafranca del Castillo, Madrid, Spain), is as follow:

Euro-VO Full Registry of Resources v1.0 by mid January 2009

This consists mainly of the following main tasks:

1. Convert ESA-VO full Registry into Euro-VO Registry
2. Make it available from the Euro-VO web pages

The central Euro-VO Registry can be accessed at <http://registry.euro-vo.org/> and offers the following utilities to handle IVOA Registry data (see snapshots afterwards):

Insert New VO Resources

→ This allows the insertion of a new Resource in the Euro-VO Registry.

Update or Clone Existing VO Resources

→ This allows the edition of a Resource that resides in the Euro-VO Registry. Resources can only be updated in the Registry where they have been introduced, and not in registry that harvest them from other places. Consult the registry specification for more details (see above URL).

Search VO Resources

→ This allows to search among the different resource types in the Registry. For example, clicking on the "Simple Image Access" will display all the available Resources of type "Simple Image Access" in the registries around the world.

Euro-VO Registry Snapshots

EURO VO
AIDA Astronomical
 Infrastructure for Data Access

The Euro-VO projects: [VOTECH](#) [EuroVO-DCA](#) [EuroVO-AIDA](#)

- EURO-VO Registry
- Search Resources
- Insert Resources
- Update Resources

Member of

Powered by

EURO-VO Full Harvestable VO Resource Registry

Welcome to the EURO-VO Full Harvestable VO Resource Registry.

If you want to know more details about what a "VO Registry" is, you can have a look at the [IVOA Resource Registry](#) specifications.

At the left panel, you can find different utilities to handle Registry data:

- **Search Resources**

Allows to search among the different resource types in the Registry. For example, clicking on the "Simple Image Access" will display all the available Resources of type "Simple Image Access" in the registries around the world.

Due to the fact that the Tabular Sky Service Resource type allows for one entry per table, and that CDS contains thousands of tables, and in order to not clobber the access, we have separated the Tabular Sky Service in CDS and non-CDS searches for commodity.
- **Insert Resources**

Allows the insertion of a new Resource in the EURO-VO Registry.
- **Update Resources**

Allows the edition of a Resource that resides in the EURO-VO Registry. Resources can only be updated in the Registry where they have been introduced, and not in registry that harvest them from other places. Consult the registry specification for more details (see above URL).
- **Registry Quick Search**

Allows for a quick search on a string. The string introduced is searched in the following Resource Registry fields:

 - Title, ShortName, Identifier, ResourceType
 - Content -> Description, Subject, Type, ContentLevel

If you have any question regarding the EURO-VO Registry, please send a note to our [Registry manager](#).

last updated: 16-Dec-2008
 co-funded project



The Euro-VO projects: [VOTECH](#) [EuroVO-DCA](#) [EuroVO-AIDA](#)

- EURO-VO Registry
- Search Resources
- Insert Resources
 - Resource
 - Organisation
 - Authority
 - Data Collection
 - Service
 - Registry
 - Sky Service
 - Tabular Sky Service
 - Simple Image Access (SIAP)
 - Cone Search (CS)
 - Open Sky Node (OSN)
 - Simple Spectrum Access (SSAP)
 - Simple Line Access (SLAP)
 - Theoretical Spectrum Access (TSAP)
- Update Resources

Insert a New Resource

To insert a new Resource in the registry, simply select the resource type you want to create and fill the provided XForm.

To be able to create new Resources you will need to have an Authority type resource registered first. To do so, select the Authority type in the left menu and provide a new Authority ID along with a new password.

Note that the password must be less than 16 characters long and that Authority IDs are inputted without any trailing slash (ex: ivo://esavo.esa.int).

Once your new Authority ID has been accepted (meaning that it didn't already exist), you will be able to create any type of resource inside your Authority domain using the password you previously provided.


Identifiers will have to consist of your Authority ID followed by a slash and a Resource ID (ex: ivo://esavo.esa.int/xmm/siap).

Remember that you can only add, edit or delete resources at the registry that manages your Authority ID.

Member of 

Powered by 

last updated: 16-Dec-2008

The Euro-VO projects: [VOTECH](#) [EuroVO-DCA](#) [EuroVO-AIDA](#)

- EURO-VO Registry
- Search Resources
- Insert Resources
- Update Resources


Edit/Clone a Resource


To update a specific Resource, simply enter its identifier in the appropriate input box on the right and use the provided XForm.

To be able to edit a Resource you will need to be its owner and provide the password you registered with its Authority ID. For more information on this, please consult the "insert" page instructions.

It is also possible to clone a resource by providing its identifier to the second input box on the right and editing the XForm, providing a new identifier and its Authority ID password.

In case the identifier of the resource to edit or clone is not known, the easiest way to access it is to make a search and then use the "edit" or "clone" action buttons on the desired resource.

Member of 

Powered by 

The resource edit form

identifier:

The resource clone form



identifier:

last updated: 16-Dec-2008



EURO VO
AIDA Astronomical
 Infrastructure for Data Access

The Euro-VO projects: **VOTECH** **EuroVO-DCA** **EuroVO-AIDA**

- EURO-VO Registry
- Search Resources
- Resource
- Organisation
- Authority
- Data Collection
- Service
- Registry
- Sky Service
- Tabular Sky Service
- Tabular Sky Service (CDS)
- Simple Image Access (SIAP)
- Cone Search (CS)
- Open Sky Node (OSN)
- Simple Spectrum Access (SSAP)
- Simple Line Access (SLAP)
- Theoretical Spectrum Access (TSAP)
- Insert Resources
- Update Resources
- Member of 
- Powered by 

Search Interface

It is possible to search for resources in various ways on the registry.

The first, and simpler one, is by keywords. Just enter one or more keywords separated by spaces in the appropriate input box on the right, or use the "Registry Quick Search" that should be available on every page. The keywords can be linked either by "AND" (the default) or by "OR" logical functions.

Note that any text enclosed in double quotes (") will be considered as one "word", allowing searching for expressions or even full sentences. The search is case-insensitive and results are ordered by occurrences of the keywords in the resource.

Another method is to use the ADQL query language to effectuate more precise search. The Astronomical Data Query Language can be used in its XML or its String form.

Here is a query example in its XML form:

```
<?xml version="1.0" encoding="UTF-8" ?>
<Where xmlns="http://www.ivoa.net/xml/ADQL/v1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
<Condition xsi:type="intersectionSearchType">
  <Condition xsi:type="likeSearchType">
    <Pattern>
      <Literal xsi:type="stringType" Value="%esa%"
    </Literal>
    </Pattern>
  </Condition>
  <Condition xsi:type="comparisonPredType" Compari
    <Arg xsi:type="columnReferenceType" xpathName="
    <Arg xsi:type="atomType">
      <Literal xsi:type="stringType" Value="CDS" /!
    </Arg>
  </Condition>
</Condition>
</Where>
```

Here is the same query in its String form:

```
<?xml version="1.0" encoding="UTF-8" ?>
<Where xmlns="http://www.ivoa.net/xml/ADQL/v1.0"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
<Condition xsi:type="intersectionSearchType">
  <Condition xsi:type="likeSearchType">
    <Pattern>
      <Literal xsi:type="stringType" Value="%esa%"
    </Literal>
    </Pattern>
  </Condition>
  <Condition xsi:type="comparisonPredType" Compari
    <Arg xsi:type="columnReferenceType" xpathName="
    <Arg xsi:type="atomType">
      <Literal xsi:type="stringType" Value="CDS" /!
    </Arg>
  </Condition>
</Condition>
</Where>
```

Note that the elements to search should be specified using the xpathName attribute for the XML form and enclosed in sharp characters (#) for the String form. The ADQL versions currently supported are v0.7.4, v0.8, v0.9 and v1.0 ; it must be specified by using the proper XML namespace declaration.

In case the identifier of the resource wanted is known, the fastest and surer way to access it is to use the last input box. It is also the only way to access "inactive" and "deleted" resources. Note that identifiers are case-insensitive.

Finally, it is possible to get all the resources of a particular type by selecting it in the left menu. Be aware that some types might return a lot of resources like for example the CDS Tabular Sky Service or the Cone Search.

The keyword search form

keywords

AND OR

The ADQL/x search form

The ADQL/s search form

The identifier search form

identifier

Migrate the Euro-VO Full Registry of Resources to v1.1 by mid March 2009

This consists of the following main tasks:

1. Finalize migration of the Euro-VO Registry to new IVOA Registry of Resources v1.1 specifications
2. Announce the existence of the Euro-VO Registry at IVOA level and European level

The main access point (<http://registry.euro-vo.org/>) and functionalities described above will remain the same from an end user point of view.

Once migrated to the new specifications, the central Euro-VO Registry will harvest all other European and worldwide (harvestable) registries and the Euro-VO registry will be harvested by other European and worldwide full IVOA registries.