


## WP3 – SA1

# Service activities in support of deployment of IVOA protocols and standards

# WP3-SA1 Objectives

- Support the deployment of IVOA protocols and standards in Europe with the goal of increasing the amount of astronomical resources being accessible through the Virtual Observatory
- Provision to the European Community a **Euro-VO Registry of VObs resources**
- Service activities in support of the European Data Centres for the **implementation of the IVOA standards and protocols** for them to publish their data holdings to the VObs
- **Adaptation of the VObs tools** to the evolution of existing IVOA standards and to the new standards that will be produced, and to take into account data providers' feedback

# WP3-SA1 Deliverables

<p>D3.1 <b>Done</b></p>	<p>Euro-VO Registry of Resources</p>	<p>ESA</p>	<p>Nov. 2008  -&gt; March 2009</p>	<p>Full registry available mid-March 2009</p> 
<p>D3.2</p>	<p>Registry curation tools</p>	<p>ESA</p>	<p>Jan. 2009  -&gt; Nov. 2009</p>	<p>Schedule updated to take into account recent developments</p>

## D3.2 Registry Curation Tools

- Goal : ensure the quality / curation of the VO resources into the Euro-VO Registry
  - Quality is propagated to other registries harvesting the Euro-VO Registry
- Availability of curation tools for VO Resources initially planned by D3.2 November 2009
  - Review work going on in that area of curation utilities at European and IVOA level
  - Review list of VO resources which can be “curated” when inserted into the registry and define plan of actions
  - Development of the curation tools of VO Resources
  - Implementation of these tools into the Euro-VO Registry

## D3.2 Registry Curation Tools Schedule

Task	Date	Comments
Inputs gathering <b>Done</b>	EuroVO-AIDA Tech Forum (16 – 19 March 2009)	Gather possible inputs in relation to Curation tools from the European community
Discussion and crosscheck with IVOA <b>Done</b>	IVOA Interoperability meeting (25 – 29 May 2009)	Fill the IVOA community in with inputs. Discuss applicability of needs within the IVOA community and gather requirements
Basic design of tool capabilities	June 2009	Make a top level design of possible curation tool with the possibilities available at the time
Tool presentation	IVOA Interoperability meeting (9 – 13 Nov 2009)	Show the tool implementation at the interop meeting

# Curation Tools and IVOA

- Dedicated Registry Curation Tools Session at IVOA Interop @ Strasbourg, May 2009
- Review of the existing facilities and tools
- Agreement on proceeding towards
  - Registry Curation Tools
  - IVOA Standard Validators (several / unique ?)
- To be reflected in IVOA Technical Assessment and Roadmap for 2009/2010

# Curation Tool - Features

- Support for a maximum of IVOA specs
- Curation of all aspects of a service :
  - Resource Record information
  - Service compliance to specs
  - Astronomical Data quality (not covered, responsibility of the Data Provider)
- Multiple output formats (Terminal, WebPage, Objects)
- Possibility to write your own tests
- Support for multiple platforms and OS
- Minimum programming knowledge required
- Various other use cases :
  - Specific validation tests of own services
  - Stress tests or batch processing of services
  - Programmatic access to Registry and services
  - Using various utility Java libraries in other projects

# Curation Script Interface – Use Cases

- Check that my new service is compliant with IVOA Specs
  - with the standard IVOA Curation Script
  - with my own specific Curation Script
- Check that the Resource record of my service is correct
- Determine the ValidationLevel score and update the record
- Generate reports on Registry resources, services status
- Batch processing of records, services, results, etc ...



# Support to Data Providers for implementation for IVOA standards (M15 - DCA Workshop)

**Research Science Portal**

European Space Agency  
Science Faculty  
22-April-2009 18:21:18

**eesa vo** Virtual Observatory

**Euro-VO AIDA Workshop on how to publish data in the VO**  
**22 - 26 June 2009**  
European Space Astronomy Centre (ESAC)  
ESA, Villafranca del Castillo, Madrid, Spain

Home | Programme | Registration | Participants | Venue | Accommodation | Scientific and Technical Organizing Committee | Local Organizing Committee | Contact

**Latest News**  
1st Announcement

**D2.7 : report on workshop to be produced by July 2009**

**Purpose & Goals**

The EURO-VO project is organizing the "EURO-VO Workshop on how to publish data in the VO" at ESAC in Villafranca del Castillo, near Madrid on 22-26 June 2009. The Workshop will be held in the framework of the EURO-VO Astronomical Infrastructure for Data Access (AIDA).

The workshop is geared towards data centres and large projects to acquire the knowledge and experience necessary to allow them to become "publishers" in the VO.

In tutorials and hands-on sessions, participants will be introduced to VO protocols in the view of publishing their data holdings through the VO.

Participants are encouraged to bring some samples of their data to the workshop, so they can work on real examples and ensure they can build the corresponding VO services when they come back to their data centres.



# Workshop Programme

	Monday 22	Tuesday 23	Wednesday 24	Thursday 25	Friday 26
10:00 - 11:00	Set up session for tutors	10:00 DALToolKit (ESA-VO)	10:00 DALToolKit (ESA-VO)	10:00 DSA (Astrogrid)	Demo/Testing Session
		11:30 DSA (Astrogrid)	11:30 SAADA (CDS)	11:30 SAADA (CDS)	
11:00 - 12:00	Set up session for participants	Coffee break	Coffee break	Coffee break	Coffee break
12:00 - 12:30	Coffee break	12:00 DALToolKit (ESA-VO)	12:00 DALToolKit (ESA-VO)	12:00 DSA (Astrogrid)	Oral Reports
12:30 - 13:30	Oral presentations	13:30 DSA (Astrogrid)	13:30 SAADA (CDS)	13:30 SAADA (CDS)	
13:30 - 14:30	Lunch	Lunch	Lunch	Lunch	Lunch
14:30 - 15:30	Oral presentations				
15:30 - 16:00	Coffee break	15:00 DALToolKit (ESA-VO)	15:00 DALToolKit (ESA-VO)	15:00 DSA (Astrogrid)	
16:00 - 17:30	Metadata session	17:00 DSA (Astrogrid)	17:00 SAADA (CDS)	17:00 SAADA (CDS)	

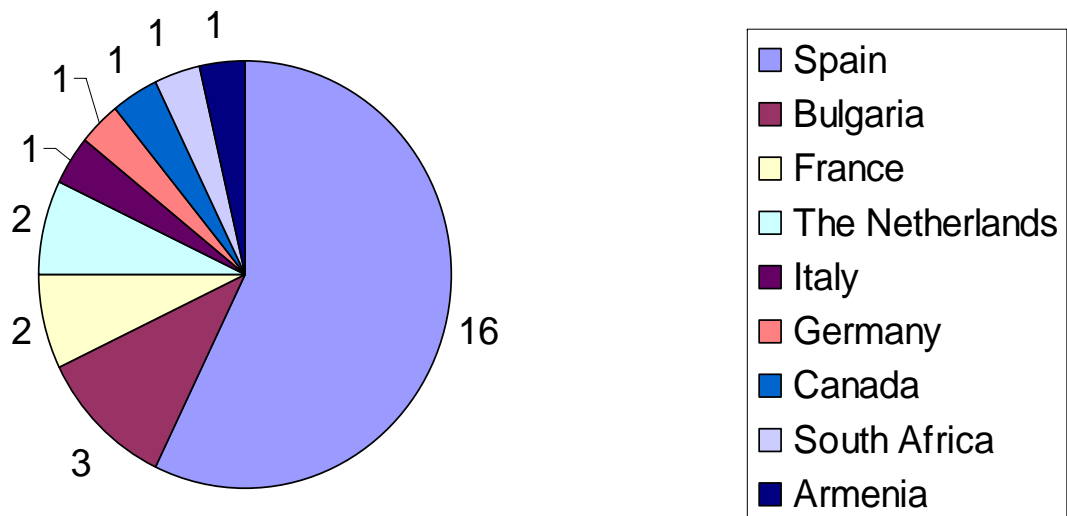
ROOM 1	DALToolKit	Images, Spectra (ESA-VO)
ROOM 2	DSA	Catalogues (Astrogrid)
	SAADA	Images, Spectra, Catalogues (CDS)

# Workshop Participants

- Around 28 participants registered (excluding tutors =11)
  - Around 20 “real” data centres participants (includes: CADDC, Nordic Optical Telescope, South African Large Telescope, ESO, ESTEC, Sofia Sky Archive Data Centre, Byurakan Astrophysical Observatory Armenia).
  - Tutors, ESA VO, AG “excluded”
- Good target audience for a technical meeting
  - ~70% were technical people
  - ~30% were astronomers

# Workshop Participants

**Euro-VO AIDA June 2009 Workshop  
Participants distribution per country**

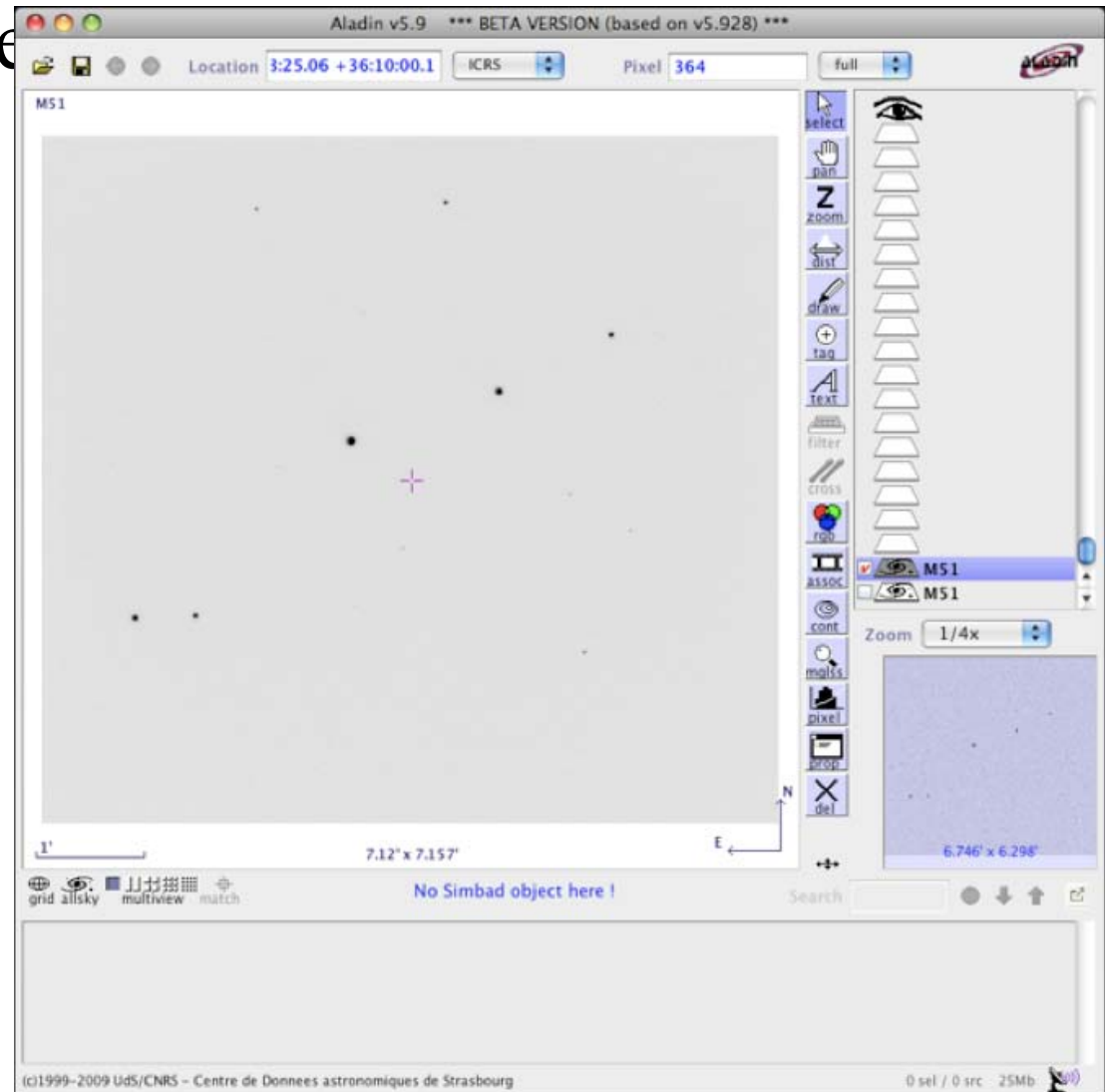


- Many Spanish
- Some French, Bulgarian & Dutch.
- Few Italian & German
- No UK
- Some EC “outsiders”

- A few “large” projects
- Some “small” projects, astronomers with their own data

# Workshop Main Highlights

- Nordic Optical Telescope
  - Images published via DALToolKit
  - Query result and image loaded in Aladin





# Workshop Main Highlights

- South African Large Telescope
  - Investigating options for SALT archive database & archive interface & VO access.
  - Created database
  - with SAADA

Home Page | Data Access | VO Portal | Database Map

### IMAGE Selection





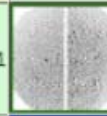



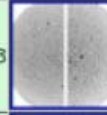

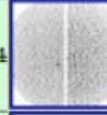



5 Image(s) match(es) the query  
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 query execution time : 0.089 sec

	Image (ICRS)	Loading Date
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3	 <b>Det VO</b>  mbxps200804040777.fits 12:01:47.00-03:45:39.0 Not Set x Not Set deg	Wed Jun 24 14:34:12 SAST 2009
4	 <b>Det VO</b>  mbxps200804040991.fits 14:03:57.00-15:01:10.0 Not Set x Not Set deg	Wed Jun 24 14:34:12 SAST 2009
5	 <b>Det VO</b>  mbxps200804040992.fits 14:03:57.00-15:01:10.0 Not Set x Not Set deg	Wed Jun 24 14:34:12 SAST 2009

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Category of Searched data  Entries  Tables  Spectra  Images

Searched Data Collection(s) Any

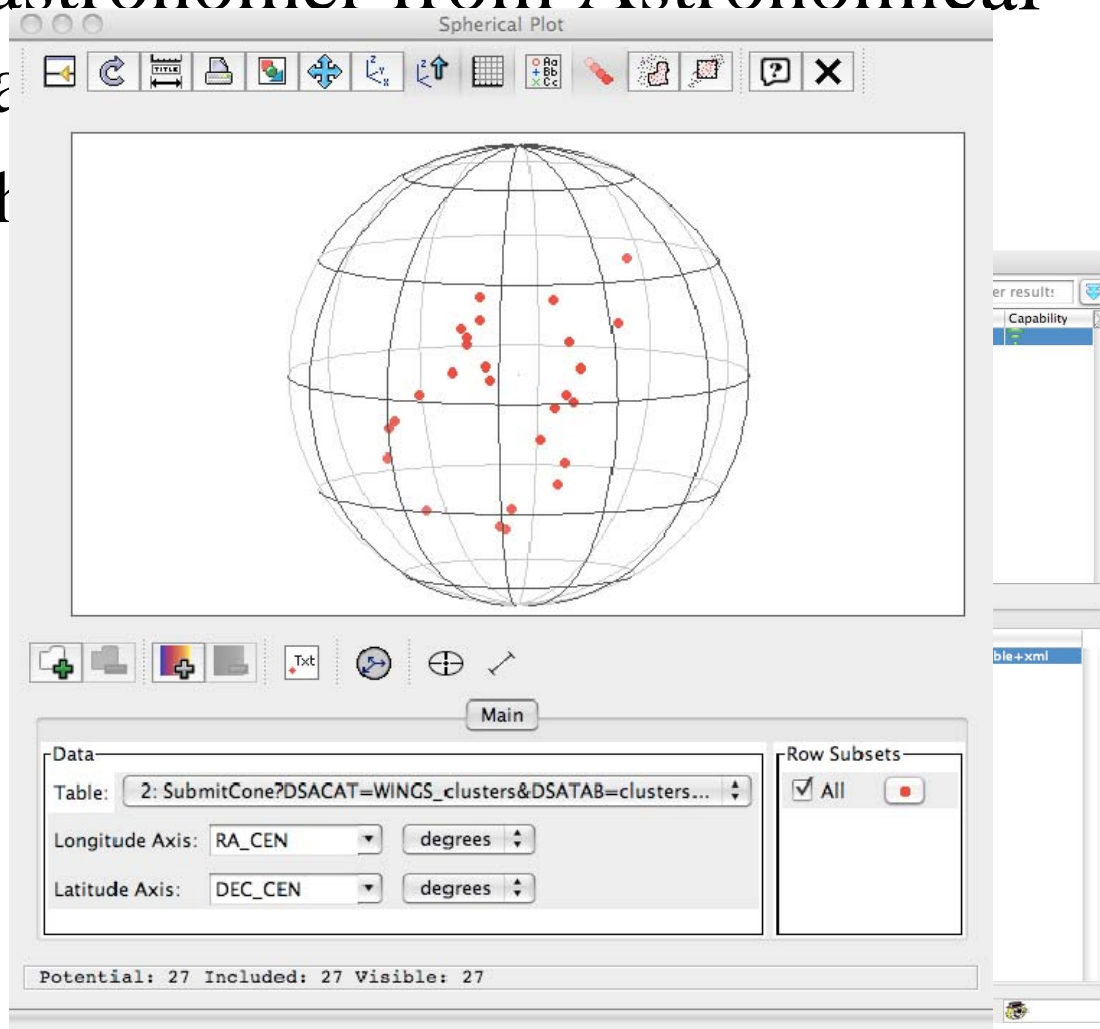
Search by coordinates Coord/Name

Add & Submit [Add to Query](#) Radius 1.0 Arcmin

Done

# Workshop Main Highlights

- Alessia Moretti (astronomer from Astronomical Observatory of Padua)
  - Catalogue published
  - Queried with VODesktop & TOPCAT



# Workshop Photo

