

The EURO-VO Facility Centre

**Paolo Padovani, ESO
EURO-VO Facility Centre Scientist**

**Matteo Guainazzi, ESA
ESA VO Scientist**

- ★ An operational organization, that provides the EURO-VO with a persistent, centralized registry for resources, standards and certification mechanisms as well as community support for VO technology take-up and scientific programs
- ★ A joint ESO/ESA activity, physically located at ESO
- ★ At present, resources provided by ESO & ESA at a “best-effort” level (\approx 1 FTE; no EU funding!)
- ★ Position advertised at ESO for a “EURO-VO FC Astronomer”, selection in progress

★ First Activities:

- ◆ EURO-VO technical workshop (ESO June 2005)
[\(<http://www.euro-vo.org/workshop2005>\)](http://www.euro-vo.org/workshop2005)
- ◆ Selection of EURO-VO Science Advisory Committee; held first meeting
- ◆ New EURO-VO Web pages



Science

- Software
- Recipes User Manual
- Scientific Workflows
- Science Cases
- Scientific Papers
- Science Advisory Committee
- Helpdesk

Technical

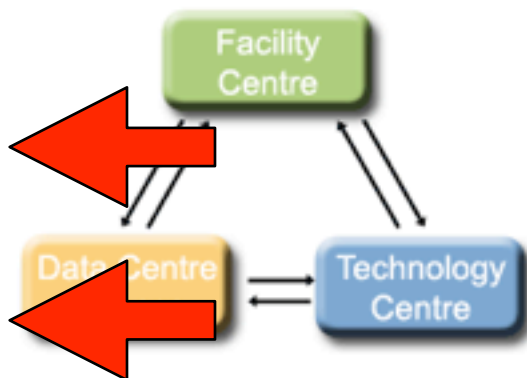
- Software
- Registries
- Tutorials
- IVOA Standards ⇒

Data Centres

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- TBD item 2

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- Vacancies
- EC Support



The European Virtual Observatory EURO-VO

The EURO-VO project aims at deploying an operational Virtual Observatory in Europe. Its objectives are technology take-up and VO compliant resource provision, building the technical infrastructure and to support its utilization by the scientific community.

From AVO to EURO-VO

The physical Virtual Observatory (AVO) together with further national VO projects created the foundations of a regional-scale VO. Conducting a research and demonstration programme on the VO scientific requirements and technologies. AVO was a collaborative project of European organizations in 2002-2004 and was jointly funded by the European Commission under the 5th Framework Programme (HPRI-CT-2001-50030). The EURO-VO work programme is the logical next step from AVO as a Phase-B deployment of an operational VO in Europe.

News Highlights

VO session at the IAU



EURO-VO Workshop 2005



AVO Demo 2005



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Press Room

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Links

- Search
- [Euro-VO Internal](#) =>
- Calendar
- [AVO site \(2002-2004\)](#) =>
- Contacts

Member of



News & Highlights

[VO session at the IAU](#)



1-22 August, 2006 Virtual Observatory session at the IAU General Assembly, Prague. The Virtual Observatory in Action: New Science, New Technology, and Next Generation Facilities

[Call for Papers](#)

[EURO-VO Workshop 2005](#)



27 June - 1 July, 2005 The EURO-VO Project held a workshop on VO technologies and standards explicitly designed for data centres and large projects to acquire the knowledge and experience necessary to allow them to become *publishers* in the VO. There were 120 participants, affiliated with 47 institutions in 16 countries and representatives of 11 IVOA member projects.

[Workshop Page](#)

[AVO Demo 2005](#)



January 25-26, 2005 The final demo of the AVO project - "Toward the EuroVO" - has been held at ESAC, Villafranca del Castillo, Spain. The demo showcased new workflow techniques and focus on two scientific scenarios, i.e., the evolution of AGB stars to Planetary Nebulae and Star Formation Histories in Galaxies.

[AVO Demo 2005](#)

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Guidelines for Scientists

Here astronomers can find answers to some of the most common "how to" questions they might have on finding data in a VO context.

Finding data for a given source

This thread illustrates how to answer a typical VO question: what sort of data do exist for an astronomical sources? And how do I find them and access them? We use Aladin to answer this question and accomplish this task with just a few mouse clicks. ⇒

Finding images for a given source

This thread illustrates how to answer a typical VO question: do images in a given wavelength range exist for an astronomical source? If so, how do I find them and display them?? We use Aladin to answer this question and accomplish this task with just a few mouse clicks. ⇒

How to generate the Spectra Energy Distribution of a source in an image

This thread illustrates how to answer a typical VO question: do spectra in a given wavelength range exist for source in my field-of-view? Can I seamlessly build their Spectral Energy Distribution? The interoperability between Aladin (catalogue browsing, image visualization) and VOSpec (Spectral Energy Distribution visualization and analysis) allows you to answer these questions and accomplish these tasks with just a few mouse clicks. ⇒

How to generate and analyze Spectral Energy Distributions

This recipe shows how to generate and display a Spectral Energy Distribution with VOSpec, combining spectra from various observatories in different energy bands, as well as user-produced spectra uploaded from the local disk. It also illustrates the usage of simple fitting tools in VOSpec, as well as the access to theoretical models and absorption/emission line databases, which have been incorporated in Virtual Observatory servers around the world. ⇒

Visualising, manipulating and cross-correlating catalogs

There are a number of tools available for visualising, manipulating and cross-correlating catalogs. Some of these tools are applications that are downloaded and run on the desktop, some can be started with "webstart" technology and others may be used as a service where the calculation is performed on a remote computer. ⇒

EURO-VO and the Community

- The Astrophysical Virtual Observatory (AVO) had reached out to the European astronomical community mostly through the Science Working Group, plus papers and articles (ESO Messenger, ST-ECF & EAS Newsletters)
- EURO-VO has reached out to the data providers through a dedicated workshop at ESO (June 27 - July 1); plan is to make this an annual event
- EURO-VO will get community input through the SAC; also, VO-based science projects?
- We have also started having a presence at JENAM meetings, to contact directly (and get feedback from) astronomers