

Euro-VO DCA status June 2007



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Project Status

- Funded EC FP6 Program
- “Coordination Action”
- 8 partners across Europe



- Started September 2006

Top-level objective

- coordinate European data centres in forming a cooperating community enhancing astronomical eInfrastructure and thereby maximising the scientific utilisation of astronomy on-line resources
- *'technology take-up and fill Vobs compliant data and resource provision by astronomical data centres in Europe'*

5 Goals

- Coordinating national VO initiatives fostering defn. of European DCA strategy
- Disseminate knowledge and good practice about interop standards and tools. Help data centres to participate
- Feedback from implementation VO-TECH, IVOA
- Prepare inclusion of theory in the VO
- Coordinating VO with the computing grid projects - EGEE

Wide Definition of Data Centre

- '*Classical data centres*' – observatory archive of images and spectra
- Services: tools, software suites and algorithms
e.g for data visualisation, analysis, mining
- Thematic services to help solve particular scientific questions
- Theoretical Modeling services

DCA general plan

- Census
- Workshops
- On-line tutorials
- Targeted visits to data centres

Activities

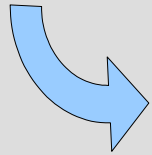
- detailed in 2nd Project Report to EU
- Data Centre Census
 - Analysis of preliminary census
 - Preparation of Census Questionnaire
- Workshops
 - *Astronomical Spectroscopy & VO* (with FC)
 - Prepare 1st major DCA workshop:
How to Publish Data in the VO - June 25-29
- Preparation of Theory in VO
- Coordination with computational GRID
- Presence at Data Centre Related meetings

2007

Date	Event	Host	Location	Further Info
20-25 August	Joint European and National Astronomy Meeting (JENAM)	Armenian Astronomical Society	Yerevan, Armenia	JENAM
25-29 June	First EuroVO-DCA Workshop (WP3 deliverable D6)	ESA	ESAC Villafranca del Castillo, Spain	DcaMay2007Workshop Workshop page
14-18 May	IVOA Interoperability meeting	China-VO	Beijing, China	IVOA meeting
9 May	IVOA - OGF Astro-RG Work Shop @ OGF20	OGF/IVOA/IG	Manchester, UK	IVOA - OGF Astro-RG Work Shop
3-4 May	First PCT meeting	CNRS	Strasbourg	First PCT meeting
12-13 April	SNAP/IVOA workshop	Max-Planck Institut fuer extraterrestrische Physik	Garching, Germany	SNAP/IVOA workshop
23-27 March	ICTP Workshop on Scientific Instruments and Sensors in the Grid	ICTP	Trieste, Italy	ICTP Workshop
23 March	DCA IST first face-to-face meeting	ESA	ESAC Villafranca del Castillo, Spain	First IST meeting
21-23 March	Astronomical Spectroscopy and Virtual Observatory Workshop	ESA	ESAC Villafranca del Castillo, Spain	Astronomical Spectroscopy and Virtual Observatory Workshop
12-15 March	VO-TECH Stage 5 Planning meeting	VO-TECH	ESO, Garching, Germany	VO-TECH Twiki for the meeting
26 Feb-2 March	2nd GRID User Tutorial jointly organized by INAF-SI and Planck WG8	INAF	Trieste, Italy	2nd GRID User Tutorial
19-23 February	VALD (Vienna Atomic Line Database) workshop	Institute for Astronomy, Vienna	Vienna, Austria	
12-13 February	Second SVO School: Data Mining in the VO	UNED	UNED, Madrid, Spain	Second SVO School: Data Mining in the VO
1-2 February	2nd DCA Board meeting	ESO	Garching, Germany	2nd Board meeting
9 January	First meeting of the F-VO Grid working group	OV France	Lyon, France	First meeting of the F-VO Grid working group

Data Centre Census

Understand Data Centres



Work out best way to help VO up-take

- Final deliverable of DCA project
- Necessary for preparation of workshops and tutorials
 - to know the target audience
 - to issue invitations

Data Centre Census

- In preparation as a web form questionnaire
 - plan to perform census before end 2007
- Much effort in posing of appropriate questions
 - Capture basic details and diversity
- Questionnaire sections
 - Identification of the Data Centre
 - Archive and Data Products
 - Tools and Software suites
 - Thematic Services
 - Theory Data Centres and services

- Characterization of archives
 - description, access, history/lifetime, users, resources, scientific area
 - contents: volume, data types, level of products, uniqueness, growing/static
 - Current interfaces – web form etc.
 - VO awareness
 - compliance
 - intended VO interfaces

Level of data products – prickly issue

- Resort to broad IVOA definition, and make clear it is not an assessment
 - **A** Data are fully calibrated, fully documented, and suitable for professional research
 - **B** Data are calibrated and documented, but calibration quality is inconsistent. Users are advised to check data carefully and recalibrate
 - **C** Data are uncalibrated
 - **U** Data quality is unknown.

Characterization of...

- Tools and Software suites
 - applicability (e.g. to what kinds of data)
 - current interface
 - VO awareness
- Theory Data centres / services
 - models, or simulations of observations ?
 - computation times
 - current interfaces
 - VO awareness

Characterization of...

- Thematic Services
 - description, scientific area
 - general purpose postal grouping multiple services?
 - data products applicable to or from the service
 - interfaces
 - VO awareness
- Thematic services is very open, requires good description in census to avoid confusion

- Draft web form census available: will be tested by DCA partners
- may be useful for SAC to comment
- <http://www.insitefulsurveys.com/Survey.asp?SI=263614012653>

DCA questionnaire draft V0.1 - Mozilla Firefox <2>

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http://www.insitefulsurveys.com/Survey.asp?SI=263614012653

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DCA questionnaire draft V0.1

2. Identification of the Data Centre

1. **Name of the Data Centre:**
2. **In which country is the Data Centre located:**
3. **Name of the Organization/Laboratory in charge of the Data Centre:**
4. **Data Centre contact information:**
Data Centre:
Adress:
City:
Postal code:
Phone:
Fax:

Done

Workshops

- Astronomical Spectroscopy and the VO
 - described in FC report
 -
- 1st major DCA Workshop in preparation for June 24-29, ESAC

EURO-VO Workshop on
'How to publish data in the VO'



EURO-VO Workshop *on how to publish data in the VO*

Workshop at ESAC, 25-29 June 2007

ESAC

ESA-VO

EURO-VO

IVOA

Weather

Purpose & Goals

What is the VO

Venue

Accommodation

Program

Registration

Participants

Deadlines

Program Organizing Committee

Local Organizing Committee

Contact

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 25-29 June 2007. The Workshop will be held in the framework of the EURO-VO Data Centre Alliance and Facility Centre.

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.

Important deadlines:

- * First announcement: **15 February 2007**
- * Deadline for workshop registration : **20 May 2007**
- * Workshop: **25-29 June 2007**



- 70+ participants
- targeted at Data Centres and large projects:
to acquire knowledge and experience to allow them to become publishers to the VO
- based around tutorials on various tool-kits which enable access to their own data via VO standards

Future Workshops

- major DCA workshops
 - First: June 25-29, 2007 ESAC
 - Second: Autumn? 2008 ESO
- Minor workshops
 - EuroVO Theory workshop - 2008
 - EuroVO Computational Grid workshop – 2008
 - + *more*

Theory in the VO

- White paper: *Framework for inclusion of theory data centre in the Vobs (late 2007)*
- Co-organised SNAP/IVOA workshop
- Theory VO standard at IVOA
- Workshop for Jan 2008

Coordination with computational grid projects

- inventory of European/National/Campus Grid initiatives related to astronomy & astrophysics
- identifying data centres eager to use grids
- some coordination with EGEE-II started
- Vobs – Grid interop discussion with EGEE

External presence (selected)

- Vobs.it workshop
- AstroGrid and RadioNet workshop for data providers
- 2nd GRID & e-Collaboration wkshp for Earth Science and Space Community
- VALD – Vienna Atomic Line Database workshop
- 2nd GRID User Tutorial: INAF-SI and Planck WG8
- ICTP wkshp on Sci Instruments and Sensors in the GRID
- Open Grid Forum -OGF20/EGEE
- First wkshp for e-Science Structuring (Chile)
- 3rd concertatiopn meeting on elnfrastructure (EU)
- Scientific Digital Repositories (EU)



End