



DCA WP3 Report

Workshops

On-site Support to data centres

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WP3 Main Objectives

- ❑ Major workshops organizations
 - How to publish data into the VO, geared towards Data Centres
 - 1st workshop @ ESAC in June 2007
 - 2nd workshop @ ESO in June 2008

- ❑ Other community workshop
 - VO and spectroscopy working @ ESAC in March 2007
 - Get scientists to expose their requirements
 - Get technicians to show existing VO tools

- ❑ On-site visit to support to Data Centres in implementing the VO protocols

- ❑ WP3-2 to organize feedback from DCs

1st EURO-VO DCA Workshop on how to publish data in the VO



ESAC, 25-29 June 2007

<http://esavo.esac.esa.int/EuroVOWorkshopJune2007/>

Workshop Organization

- ❑ Geared towards data centres and large projects to acquire the knowledge and experience necessary to allow them to become "publishers" in the VO.
 - Small data providers not excluded

- ❑ Around 70 participants registered
 - Around 45 "real" data centres participants
 - Advisors, ESA VO, ESO "excluded"

- ❑ Workshop pages
 - <http://esavo.esac.esa.int/EuroVOWorkshopJune2007/>

- ❑ Feedback from Advisors and Participants at:
 - <http://esavo.esac.esa.int/EuroVOWorkshopJune2007/SpeakersMonday.html>

Workshop Programme

- Parallel sessions about publishing data using existing tools within EURO-VO

- Publishing catalogues
 - DSA, SAADA, DMMapper

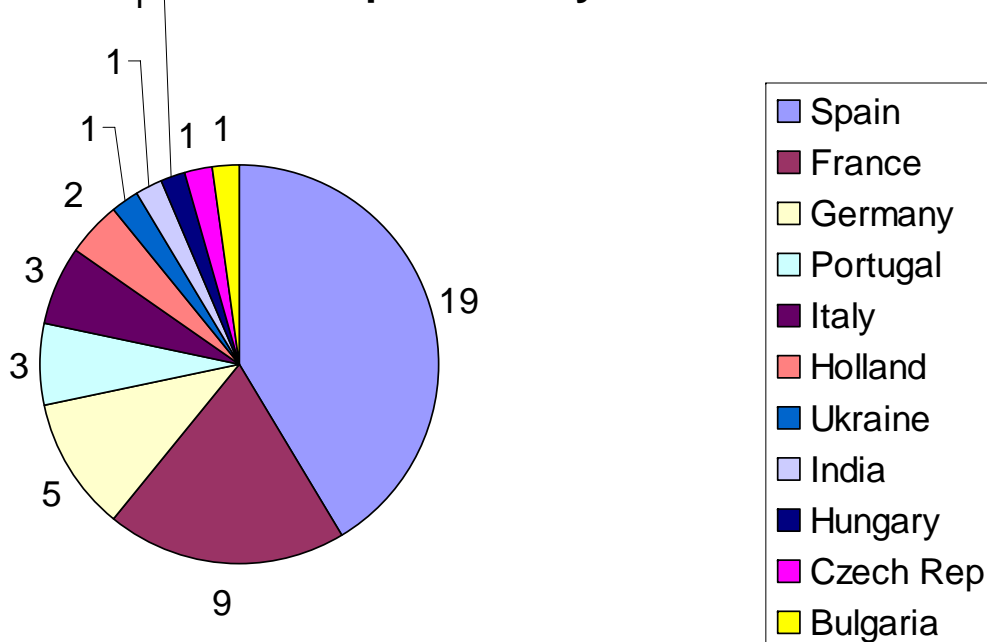
- Publishing spectra
 - DALToolkit, MEX

- Publishing images
 - DALToolkit, SAADA, MEX

- VOEvent Hands-On Session

June Workshop Participants

**EURO-VO DCA June Workshop Participants
distribution per country**



Exclude Advisors, ESA VO and ESO

Many Spanish

Many French

Some German

Few Italian

Few Dutch

No UK

Some EC “outsiders” (link with WP6)

No real “large” projects

Several “small” projects, astronomers with their own data

2nd EURO-VO DCA Workshop on how to publish data in the VO

EuroVO-DCA Workshop 2008
on how to publish data in the VO

23-27 June 2008 at ESO (Garching bei München, Germany)

ESO, 23-27 June 2008

<http://www.euro-vo.org/dcaworkshop2008/>

Workshop Organization

- ❑ Geared towards data centres and large projects to acquire the knowledge and experience necessary to allow them to become "publishers" in the VO.
 - Effort was made to reach surveys missed by the first Workshop using the DCA Census and the ASTRONET information

- ❑ 82 participants registered
 - 50 "real" data centres participants, excluding advisors

- ❑ Workshop pages
 - <http://www.euro-vo.org/dcaworkshop2008/>

- ❑ Feedback from Advisors and Participants:
 - See WP3-2 report

Workshop Programme

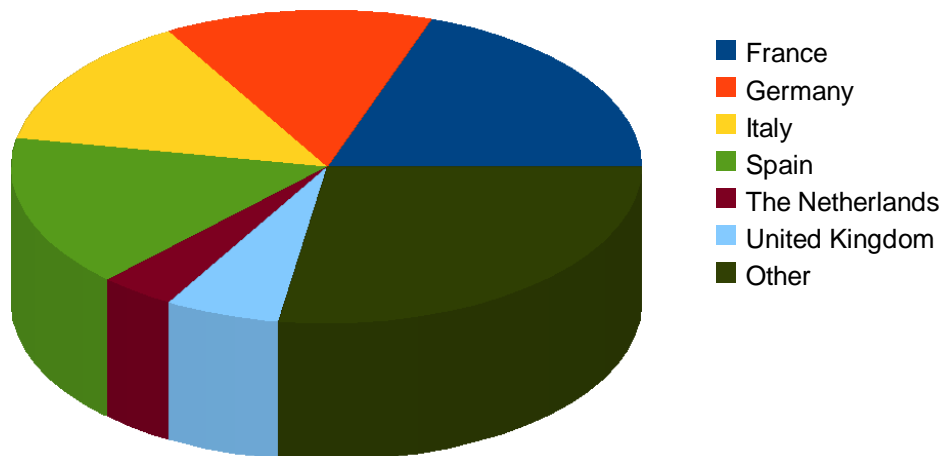
- ❑ Short introductory talks plus set-up session (requested by participants at 1st Workshop)

- ❑ Parallel sessions about publishing data using existing tools within EURO-VO
 - Publishing catalogues: DSA, SAADA, DMMapper
 - Publishing spectra: DALToolkit, MEX
 - Publishing images: DALToolkit, SAADA, MEX

- ❑ Theoretical Data Session
- ❑ Workshop showcase: data and services in VO tools
- ❑ Workshop review: participant and advisor review of the week's achievements

Workshop Participants

Country of participants



Profile of participants



- ❑ Excluding advisors, ESA VO and ESO = 50
- ❑ Top: France, Germany, Italy, Spain (62%), almost equally distributed
- ❑ Five from the Netherlands and the UK (10%)
- ❑ 28% “outsiders”:
 - EC: Bulgaria, Lithuania, Portugal, Russia, Serbia, Switzerland
 - Non-EC: Armenia, Chile, China, Mexico, Turkey (3 participants)

- ❑ Mostly data centres, followed by astronomers with their own data, and surveys. These include ASI Science Data Centre, ALMA, Hess, INTEGRAL, JIVE, Planck.

Astronomical Spectroscopy and VO Workshop

21-23 March 2007: ESAC - Madrid, Spain



**ASTRONOMICAL SPECTROSCOPY
& THE VIRTUAL OBSERVATORY**

Workshop at ESAC, 21-23 March 2007

ESAC, 21-23 March 2007

<http://esavo.esac.esa.int/SpectroscopyAndVOWorkshopMarch2007/>

Workshop Scope and Goals

- Outline needs and challenges that astronomical spectroscopy will be facing in the coming years, and to identify how the unique capabilities intrinsic to the Virtual Observatory concept can meet them
 - Scientific community to become aware of VO practices, of what the VO is about and what it can do for them

- Large fraction of the Workshop time was devoted to round table discussions

- Important topics discussed included:
 - Spectroscopic surveys
 - VO Spectroscopy Standards and tools
 - Spectroscopic Algorithms and tools
 - Photometry and calibration standards
 - Interface to Laboratory dbs and theoretical models

VO and Spectro Workshop

- ❑ Great success !

- ❑ Number of participants: 122, including visitors from NVO and JVO
 - Good mixture between scientists and developers
 - Good mixture between usual VO people and other people

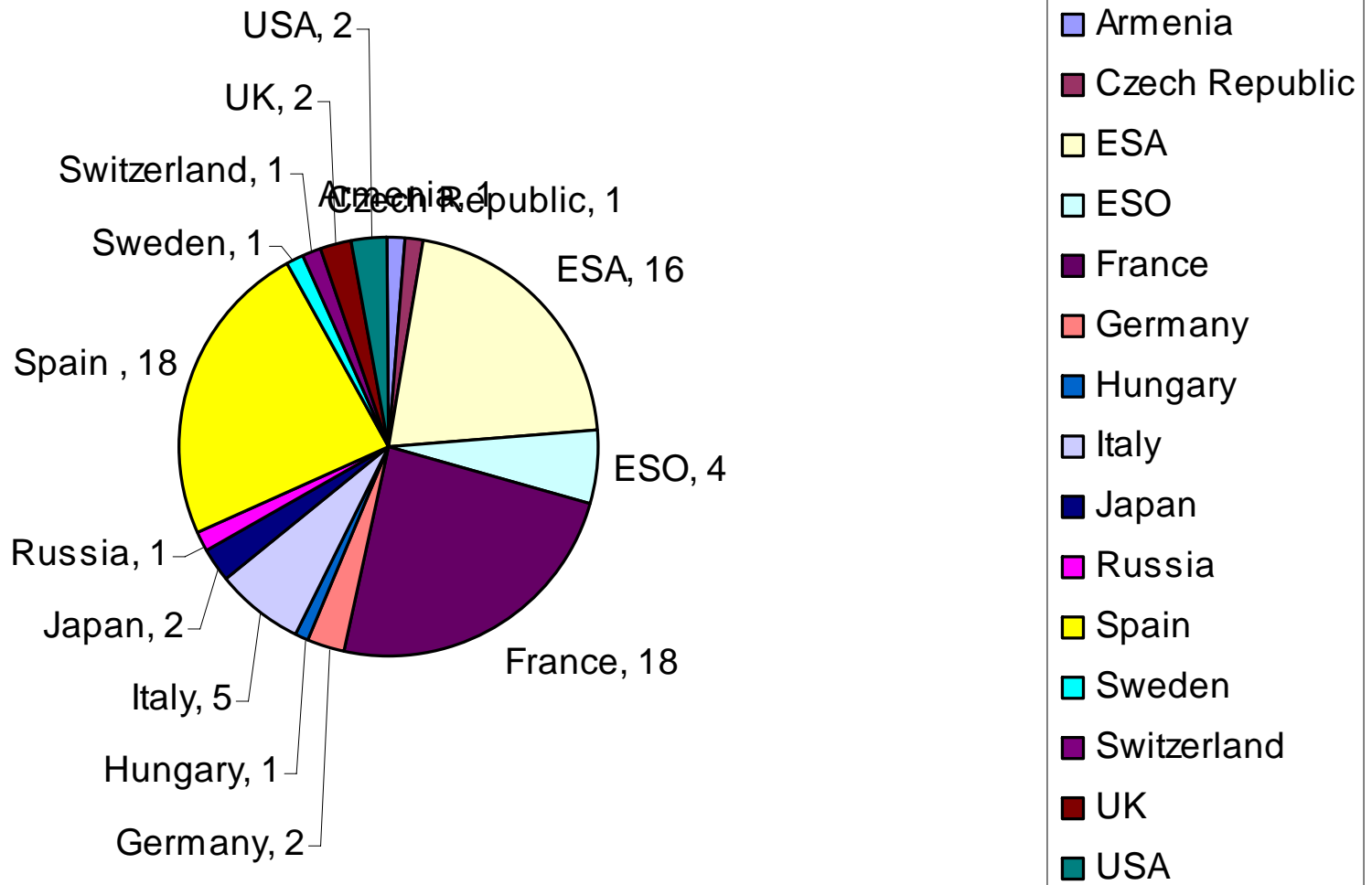
- ❑ VO experts present (four IVOA WG Chairs present in the Workshop) have gotten impressions from the Scientific Community.

- ❑ Concluding remarks from DCA Board and IVOA Chair
 - <http://esavo.esac.esa.int/SpectroscopyAndVOWorkshopMarch2007/Genova.ppt>

- ❑ Proceedings finalized, to be distributed

Workshop Participants

Workshop participants by nation/institution



On-site Support to Data Centres

On-Site Support to Data

Centre

EuroVO-DCA, Work Package 3: Visits of experienced VObs persons to Data Centres, national meetings or sites selected by partners

Date	Partner	Data Centre Visited	Description of the visit
23 Nov 2006	ESO	INAF	Visit of P. Padovani to the "VObs.it -- Osservatorio Virtuale Italiano" Workshop in Monteporzio, Italy
04-05 Dec 2006	CNRS	AstroGrid	Visit of M. Allen to the 'Scientific Research using AstroGrid' and 'Radio data publishing and pipelines' Workshops in Oxford
11 Dec 2006	CNRS	NOVA	Visit of Sébastien Derriere to the Virtual Observations courses in Groningen to present and discuss the CDS services
8 Jan 2007	CNRS	NOVA	Visit of Mark Allen to the Virtual Observation courses in Groningen to present and discuss VO tools and services and science usage
02-04 May 2007	AstroGrid (LU)	CDS	Visit of Mark Taylor to CDS to discuss TOPCAT and many other topics
18-19 Jun 2007	MPG	CNRS	Visit of G. Lemson to the French VO Theory WG meeting in Lyon (also WP4)
27-28 Sep 2007	LU	AstroGrid @ Cambridge UK	Jonathan Tedds attended IVOA Interoperability meeting to feed back information from data publishers at DCA workshops to IVOA technical standards process (WP3-2)
08-11 Oct 2007	ESA	AstroGrid @ Edinburgh	Pedro Osuna, Isa Barbarisi and Aurelien Stebe attended VOTECH DSRP to discuss IVOA standards
9-10 Oct 2007	LU	AstroGrid @ Edinburgh	Jonathan Tedds attended DSRP to discuss data publishing & IVOA standards (WP3-2)
15-17 Oct 2007	ESA	Moletaj Observatory, Institute of Theoretical Physics and Astronomy of Vilnius University, Lithuania	Jesus Salgado and Aurelien Stebe presented IVOA protocols and ESAVO Data Publishing tools at the Lithuanian Astronomy Workshop (WP6)
18-19 Oct 2007	CNRS	idem	Sébastien Derriere and Françoise Genova presented the IVOA standards, Euro-VO and the CDS services in the VO at the same Workshop (WP6)
19 Oct 2007	INAF	idem	Riccardo Smareglia presented the prototype integration of theory data in the VO, interoperability with computational grids and VO-compliant visualisation and data mining tools at the same Workshop (WP6)
20-22 Feb 2008	ESA	AstroGrid (UKIDSS) @ Edinburgh	Pedro Osuna and Aurelien Stebe visited AstroGrid in Edinburgh to help publishing UKIDSS images and spectra using ESAVO Data Publishing tools
14-18 Apr 2008	ESO	ESA @ Madrid	Bruno Rino visited Aurelien Stebe (ESA) in Madrid to integrate ESO Data Ingestion and Mapping tool (MEX) and ESAVO Data Publishing tool (DALToolKit)
6-8 Oct 2008	ESA, ESO	Kiev, Ukraine	Christophe Arviset (ESA) and Paolo Padovani (ESO) presented EURO-VO, ESAVO and ESO activities at the CODATA conference.
Nov 2008 (TBC)	ESA	ASDC, Frascati, Italy	Support to the ASI Science Data Center (to be organized)

Conclusions from on-site visits to DC

- ❑ Much less visits than initially planned
 - 3/partner/year + extra 2/year/ESA+ESO

- ❑ Announcements were made through
 - The Workshops, the partners, the WP3 web pages
 - But no connection to the Census (that came too late?)

- ❑ Apparently no need for the Data Centres ?
 - Almost no own initiative to request such support
 - Data Centres seemed more interested by the workshops

- ❑ More focus on providing tools to help data centres to publish their data into the VO
 - AstroGrid DSA, ESO MEX, France-VO SAADA and ESA DALToolkit and DMMapper

Data Centres supported vs Census

Impact of DCA WP3 to

Data Centres

- Looking at the final Census of Data Centres, do
 - Update “Cross-match” 1st workshop participants with the preliminary census of data centres with final census
 - Finalize “Cross-match” 2nd workshop participants with final census
 - Do “cross-match” of VO and Spectro workshop participants with final census
 - Do “cross-match” of on-site visits with final census

- Use results for the updated final WP3 report
 - Link to future activities (eg AIDA)