

Introduction

Réunion annuelle de l'Action Spécifique Observatoires Virtuels France



Réunion annuelle de l'AS OV, 28 oct. 2009, F. Genova

Au niveau international:

IVOA et al.



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IVOA

- Président: F. Pasian
Vice-Président: P. Padovani
 - Standards: nombreux standards en cours d'acceptation
 - Discussion animée sur les spécifications scientifiques
 - symptomatique du changement de phase
- Exercice en cours
- Requêtes 'courantes' ('take-up' group)
 - Mise en œuvre avec DAL/DM



IVOA Documents and Standards - Mozilla Firefox

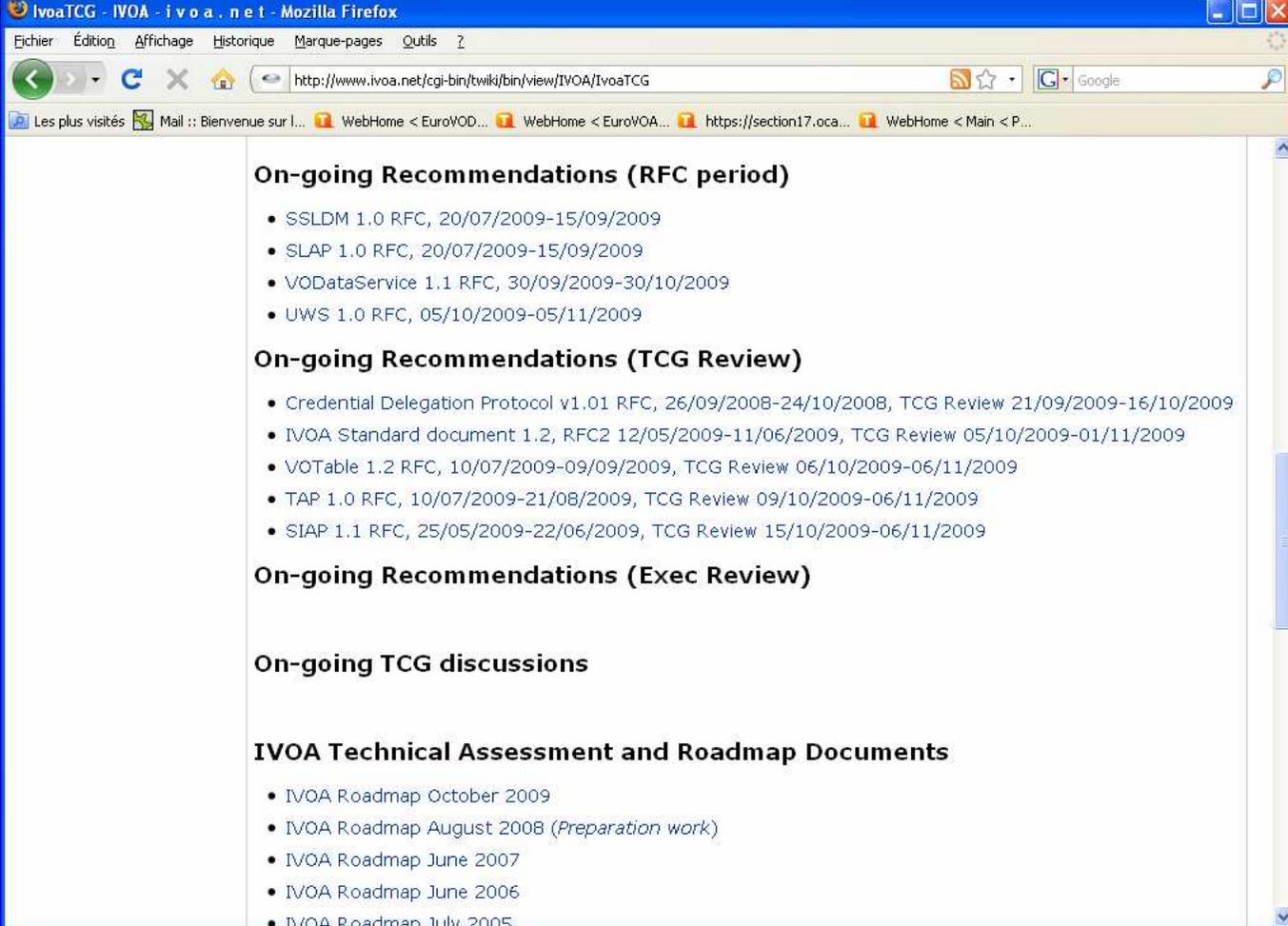
http://www.ivoa.net/Documents/

Group	Title	Most stable	In progress								
App	Simple Application Messaging Protocol	1.11				1.11	1.11	1.10	1.00		
DAL	Simple Cone Search	1.03				1.03	1.02	1.01	1.00		
	Simple Image Access	1.0	RFC			1.0	1.0	1.01	1.00		
	Simple Line Access	1.0	RFC			1.0	1.0				
	Simple Spectral Access	1.04				1.04	1.03	1.02	1.01	1.01	
	Table Access Protocol	1.0	RFC			1.0	1.0	1.00			
DaM	Space-Time Coordinate Metadata for the Virtual Observatory (STC)	1.33				1.33	1.31	1.30	1.21	1.20	
	Data Model for Astronomical DataSet Characterisation	1.13				1.13	1.12	1.12	1.11	1.10	
	Simple Spectral Lines Data Model	1.0	RFC			1.0	1.0				
GWS	IVOA Spectral Data Model	1.03				1.03	1.02	1.01	1.01	1.01	
	IVOA Single-Sign-On Profile: Authentication Mechanisms	1.01				1.01	1.01	1.00	1.00		
	VOSpace service specification	1.15	2.0			1.15	2.0	1.15	1.15	1.14	
	IVOA Credential Delegation Protocol	1.0	RFC			1.0	1.01	1.01	1.00		
	Universal Worker Service	1.0	RFC			1.0	1.0				
ReR	IVOA Support Interfaces	1.0				1.0	1.0				
	IVOA Web Service Basic Profile	1.00				1.00					
Semantics	IVOA Identifiers	1.12				1.12	1.11	1.10	1.10	1.10	
	IVOA Registry Interfaces	1.0	RFC			1.0	1.00	1.02	1.01	1.00	
	Resource Metadata for the Virtual Observatory	1.12				1.12	1.12	1.10	1.10	1.01	
	VOResource: an XML Encoding Schema for Resource Metadata	1.03				1.03	1.02	1.02	1.01	1.00	
SDP	VODataService: a VOResource Schema Extension for Describing Collections and Services	1.1	RFC			1.1	1.10				
	An IVOA standard for Unified Content Descriptors	1.10				1.10	1.10	1.06	1.05	1.03	
	UCD1+ Controlled Vocabulary	1.23				1.23	1.22	1.21	1.20	1.20	
VOE	Maintenance of the list of UCD words	1.20				1.20	1.20	1.10	1.00		
	Vocabularies in the Virtual Observatory	1.19				1.19	1.18	1.16	1.15	1.13	
VOL	IVOA Document Standards	1.0	1.2			1.2	1.2	1.2	1.2	1.1	1.1
VOT	Sky Event Reporting Metadata (VOEvent)	1.11				1.11	1.11	1.10	1.01		
	IVOA Astronomical Data Query Language	2.00				2.00	2.00	2.00	1.01	1.00	
	IVOA SkyNode Interface	1.01				1.01	1.00				
	VOTable Format Specification	1.10	1.2	RFC		1.2	1.20	1.20	1.10	1.00	



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Page TCG (dans 'Working Groups')



IvoaTCG - IVOA - i v o a . n e t - Mozilla Firefox

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http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/IvoaTCG

Google

Les plus visités Mail :: Bienvenue sur l... WebHome < EuroWOD... WebHome < EuroVOA... https://section17.oca... WebHome < Main < P...

On-going Recommendations (RFC period)

- SSLDM 1.0 RFC, 20/07/2009-15/09/2009
- SLAP 1.0 RFC, 20/07/2009-15/09/2009
- VODataService 1.1 RFC, 30/09/2009-30/10/2009
- UWS 1.0 RFC, 05/10/2009-05/11/2009

On-going Recommendations (TCG Review)

- Credential Delegation Protocol v1.01 RFC, 26/09/2008-24/10/2008, TCG Review 21/09/2009-16/10/2009
- IVOA Standard document 1.2, RFC2 12/05/2009-11/06/2009, TCG Review 05/10/2009-01/11/2009
- VOTable 1.2 RFC, 10/07/2009-09/09/2009, TCG Review 06/10/2009-06/11/2009
- TAP 1.0 RFC, 10/07/2009-21/08/2009, TCG Review 09/10/2009-06/11/2009
- SIAP 1.1 RFC, 25/05/2009-22/06/2009, TCG Review 15/10/2009-06/11/2009

On-going Recommendations (Exec Review)

On-going TCG discussions

IVOA Technical Assessment and Roadmap Documents

- IVOA Roadmap October 2009
- IVOA Roadmap August 2008 (*Preparation work*)
- IVOA Roadmap June 2007
- IVOA Roadmap June 2006
- IVOA Roadmap July 2005



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InterOpNov2009 - IVOA - i v o a . n e t - Mozilla Firefox

http://www.ivoa.net/cgi-bin/twiki/bin/view/IVOA/InterOpNov2009

Date	Time	Place	Activity (inc. pdf)	Comments
Sun 08 Nov 2009				
	16.00-18.00	CR	IVOA Exec/ TCG Meeting	Exec + WG/IG Chairs
Mon 09 Nov 2009				
DAY 1				
	08.30-09.00	ESO Lobby	Registration	
	09.00-09.05	Aud	Welcome and Logistics	Paolo Padovani
	09.05-09.30	Aud	State of the IVOA	Fabio Pasian
	09.30-09.50	Aud	State of the TCG	Christophe Arviset
	09.50-10.10	Aud	IVOA Standard REC process	Christophe Arviset
	10.10-10.30	Aud	VO Frontrow 1	Updates from the VO projects
	10.10-10.30		Spotlight-1: Euro-VO	
	10.30-11.00		Coffee	
	11.00-12.25	Aud	v-Science	Science Input to the IVOA
	11.00-11.30		vScience-slot-1: Science Requirements and VO Standards	Takeup Committee
	11.30-11.45		vScience-slot-2: The TAP/ObsDM Success Story	David Schade
	11.45-12.25		vScience-discussion	
	12.30-14.00		Lunch	
	14.00-15.30		Charge to the working groups	
		Aud	Charge to the working groups	Plenary agenda
	15.30-16.00		Coffee	
	16.00-17.30		WG parallel sessions 1	
		Aud	Apps-1	InterOpNov2009DM²
		CR	DM-1	InterOpNov2009Apps
Tue 10 Nov 2009				
DAY 2				
	08.30-10.00		WG parallel sessions 2	



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Evolution des projets

- Quelquefois des difficultés à la transition vers les opérations
 - VOA (NVO) mis en place et sélectionné mais retards
 - Souvent des difficultés à assurer des financements récurrents (ex. AstroGrid (UK): difficultés de renouvellement. Participation à plusieurs projets européens)



Le groupe 'liaisons' de l'IVOA

- Liens avec les autres disciplines
- A quel niveau?
- Comment?

- Plusieurs nouveaux projets européens ont des participants américains (HELIO, VAMDC)



Welcome to the IPDA — IPDA - Mozilla Firefox

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http://planetarydata.org/

ational planetary data alliance

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Search Site Search
only in current sector

Home Members Projects IPDA System Architecture Documents Meetings

Log in

You are here: Home

QUICK LINKS

- Technical Experts Group
- Useful Links

UPCOMING EVENTS

PV 2009 Conference
Madrid, Spain,
Dec 01, 2009

Upcoming events...

NEWS

Website Redesign and Relaunch

IPDA Members: [Log in](#)

WELCOME TO THE IPDA



The IPDA's main emphasis is to ease discovery, access and use of planetary data by world-wide scientists regardless of which agency is collecting and distributing the data. Ensuring proper capture, accessibility and availability of the data is the task of the individual space agencies. The IPDA is focusing on developing an international standard which allows the following capabilities: query, access and usage of data across international planetary data archive systems. While, trends in other areas of space science are concentrating on the sharing of science data from diverse standards and collection methods, the IPDA shall concentrate on promoting standards which drive common methods for collecting and describing planetary science data across the international community. Such an approach will better support the long term goal of easing data sharing across system and agency boundaries. An initial starting point for developing such a standard will be



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Au niveau européen



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Astronet



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Astronet : TOWARDS A STRATEGIC PLAN FOR EUROPEAN ASTRONOMY - Mozilla Firefox

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http://www.astronet-eu.org/

www.astronet-eu.org search... search

TOWARDS A STRATEGIC PLAN FOR EUROPEAN ASTRONOMY

ASTRONET

Frontpage Networking Science Vision Infrastructure Roadmap Coordinated actions Private Area Site map 11-12-2008

ASTRONET
 Objectives
 Structure
 Project Management
 Contacts

ASTRONET ACTIVITIES
 Networking
 Science Vision
 Infrastructure Roadmap
 Coordinated actions
 Consortium Management
 Consortium Coordination
 Private Area

LINKS
 ASTRONET partners
 FP6
 FP7
 EC and astronomy
 European Astronomy
 Downloads
 Other links of interest

RESOURCES
 Document archive

WHAT IS ASTRONET ?



ASTRONET was created by a group of European funding agencies in order to establish a comprehensive long-term planning for the development of European astronomy. The objective of this effort is to consolidate and reinforce the world-leading position that European astronomy has attained at the beginning of this 21st century.

The success of present-day European astronomy has been built by combining previously scattered resources into multilateral partnerships, the most important of which are ESO for ground-based optical astronomy and ESA for space astronomy. Developing this concept and its impact and expand it to all domains of astronomy and all of Europe requires a shared, comprehensive Science Vision and roadmap for future infrastructures in astronomy. In parallel, the barriers which impede coordinated joint projects among countries must be identified, and ways to overcome these barriers must to be proposed and tested.

To do so, ASTRONET will cover all astrophysical objects from the Sun and Solar system to the global structure of the Universe, as well as every observing approach, in space and from the ground, and from radiation at any wavelength to astroparticles and gravitational waves. It will address the whole "food chain" from infrastructure and technology development to observation, including the

Latest Events

▶ **EUROPE'S 20-YEAR PLAN FOR ASTRONOMY UNVEILED :**

The **Press Conference** for the Infrastructure Roadmap was held on November 25, 2008 at the Academy of Sciences (Paris) at 10.00 AM. For more information.

The ASTRONET Infrastructure Roadmap and the Executive Summary Brochure are now available in PDF format.

▶ **ASTRONET JOINT CALL :**

The ASTRONET Joint Call Board recommends 5 proposals for funding by the national funding agencies. For more information.

▶ **ASTRONET SYMPOSIUM :**

The Astronet symposium presentations are now online.

▶ **PUBLIC RELEASE OF THE INFRASTRUCTURE ROADMAP :**

Medium term sustainability (1)

- International cooperation/agreement on interoperability standards is a must
- European coordination/cooperation has been and will remain critical
 - learn from each other and global strategy
 - improves global results and increases global impact
- R&D/evolution of standards must continue (feedback, scientific and technical evolution, progressive inclusion of more complexity)
- Support to users through ESA/ESO (Facility Centre) and national projects

Medium term sustainability (2)

- VO is part of research infrastructure
- New projects : provision for data pipelines, data archiving, data distribution & VObs compliance (and it seems that they understand it)
- Funding of data centres has to be consolidated in many cases: European and national agencies, support from local authorities
- VObs: support needed at different levels for the operational phase
 - Support to national and Agencies (ESA, ESO) to VO projects
 - IVOA is a best effort alliance, medium term commitment of the national projects needed
 - European coordination: how to get support on the medium term?

Theory, Computing and Data Archiving

The development of theory and computing capacity must go hand-in-hand with that of observational facilities. Systematic archiving of properly calibrated observational data in standardised, internationally recognised formats will preserve this precious information obtained with public funds for future use by other researchers, creating a Virtual Observatory (VO).

The Virtual Observatory will enable new kinds of multi-wavelength science and presents new challenges to the way that results of theoretical models are presented and compared with real data. Along with other initiatives, the Roadmap proposes that a European Astrophysical Software Laboratory (ASL), a centre without walls, be created to accelerate developments in this entire area on a broad front.

6.6 Recommendations

1. *Relevant to VO*

1. Provision of a public VO-compliant archive should be an integral part of the planning for any new facility. We recommend that data centres provide science-ready data.
2. Providers of astronomical tools should make them VO-compliant so they can easily talk to other VO tools and can be accessed within the VO environment.
3. The infrastructure established with EC support will need to be sustained by the national funding agencies to allow continuity of the VO.
4. The development of the VO should be coordinated with evolution of the generic e-infrastructure, and that evolution should reflect the domain-specific needs of astronomy.
5. To prepare for the challenges posed by large surveys, multi-wavelength astronomy and the VO, modelling codes need to be made modular.
6. Substantial investments are required in software that simulates mock data with the observational biases inherent in current and future facilities. Publication of such software in VO-compliant form should become an integral part of the construction of any instrument.

Mais: implémentation des recommandations??



Les projets européens

- EuroVO-AIDA, Astrophysical Infrastructure for Data Access (se termine en juillet 2010)

Plusieurs projets commencent:

- HELIO – soleil et héliosphère
- VAMDC – atomic and molecular data centre
- Et aussi: Europlanet II (activités ‘VO’ incluses dans un I3 du programme Infrastructures)



WebHome < EuroVOAIDA < TWiki - Mozilla Firefox

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EURO VO AIDA Astronomical Infrastructure for Data Access

Jump Search

EuroVOAIDA

Log In or Register

EuroVOAIDA Web

- Create New Topic
- Index
- Search
- Changes
- Notifications
- RSS Feed
- Statistics
- Preferences

Webs

- EuroVOAIDA
- AidaVOWS2009
- VOSchool09
- VOSchool10
- Main
- Sandbox
- TWiki

Links

- Euro-VO
- VOA
- EuroVO-DCA
- VO Tech
- eInfrastructure in FP7

Twiki > EuroVOAIDA Web > WebHome (09 Oct 2009, MathiasDepretz) Edit Attach

Welcome to the Euro-VO AIDA Astronomical Infrastructure for Data Access

This is the web-based collaboration area of the Euro-VO Astronomical Infrastructure for Data Access project. This project is supported by EU in the framework of the FP7 [Infrastructure Scientific Research Repositories](#) initiative (project RI2121104). It started on 1 February 2008, for a duration of 30 months.

Highlights

- **EURO-VO in the ICT results** : [e-Infrastructures give real boost to virtual observatories](#) - issued on 8 october 2009.
- [Fourth Euro-VO Technology Forum](#): 22 - 24 September 2009, Trieste
- [Second EuroVO-AIDA Research Initiative](#). Deadline 15 July 2009.
- [Data Centre Workshop on how to publish data in the VO](#) 22-26 June 2009, ESAC, Villafranca del Castillo
- [EuroVO-AIDA Hands-on workshop](#) : 30 March - 2 April 2009, ESO, Garching
- [Third Euro-VO Technology Forum](#) : 16- 18 March 2009, Strasbourg *Due to a strike warning on March 19, the meeting will be held March 16-18*
- [Full Harvestable EuroVO Registry of Resources has been released \(13 Mar 2009\)](#)
- [EuroVO-AIDA Workshop MultiWavelength astronomy and the Virtual Observatory](#) : December 1-3 2008, ESAC, Villafranca del Castillo
- [Second Euro-VO Technology Forum \(with VO-TECH\)](#) : 29 September - 2 October 2008, Cambridge, UK
- [First EuroVO-AIDA Research Initiative](#). Deadline 15 June 2008.
- [First Euro-VO Technology Forum](#) (with VO-TECH): March 17 - 19 2008, Strasbourg

- And also
 - [EuroVO-DCA Workshop 2008](#): June 23-27, ESO, Garching, Germany (organised by the EuroVO-DCA project and by the Euro-VO Facility Centre)
 - [Euro-VO Theory and Grid Workshops](#): April 7-11 Garching, Germany (organised by EuroVO-DCA). The proceedings



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Data Centre Workshops

- Data Centre Workshop en juin 2009

La fin d'un cycle?

Un besoin de formation en France?

Comment organiser ces workshops?

- Formation aux outils (toolkits)
- Formation sur les standards



Test implementations performed during the recent Euro-VO data centre workshop

SALT data

Home Page | Data Access | VO Portal | Database Map

IMAGE Selection

5 Image(s) match(es) the query
 Query on class *ImgCl_ConfigImage* of collection SALT
 query execution time : 0.089 sec

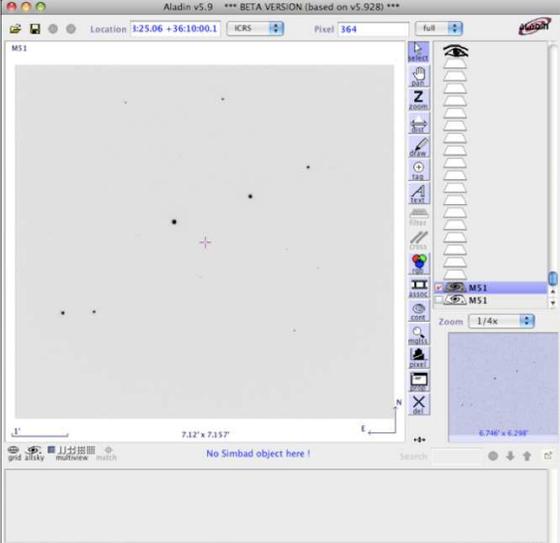
	Image (ICRS)	Loading Date
1	 Det VO mbxps200804040193.fits 12:01:47.00-03:46:39.0 Not Set x Not Set deg	Wed Jun 24 14:34:11 SAST 2009
2	 Det VO mbxps200804040437.fits 14:03:57.00-15:01:10.0 Not Set x Not Set deg	Wed Jun 24 14:34:11 SAST 2009
3	 Det VO mbxps200804040777.fits 12:01:47.00-03:46:39.0 Not Set x Not Set deg	Wed Jun 24 14:34:12 SAST 2009
4	 Det VO 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	 Det VO mbxps200804040992.fits 14:03:57.00-15:01:10.0 Not Set x Not Set deg	Wed Jun 24 14:34:12 SAST 2009

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

NOT data

Aladin v5.9 *** BETA VERSION (based on v5.928) ***

Location: 1:25.06 +36:10:00.1 ICRS Pixel 364



MS1
 Zoom 1/4x
 6.746" x 6.296"
 No Simbad object here!

ic1999-2009 UDS/CMS - Centre de Données astronomiques de Strasbourg 0 sel / 0 unc 23Mb



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Technology Forums

Day	Time	Activity
Tues 22	10.00	Registration - Coffee
	10.30	Welcome
	10.45	AIDA: Project Review and Milestones (including Wp2 Report) (pdf)
	11.30	WP3 Report (pdf) (pdf)
	12.15	WP4 Overview (P. Padovani, 20 + 15) (pdf)
	12.50	Lunch
	14.20	WP5 Report
	15.10	Coffee Break
	16.00	WP6 Report
	16.45	WP7 Report
Weds 23	17.30	Close
	18.45	Dinner + WP5 Event in Basovizza
	09.30	Introduction to Day Two
	09.45	WP8 Report
	10.45	Coffee break
	11.00	Hackathon / Science & Management meetings
	12.50	Lunch
	14.00	Hackathon / Science & Management meetings
15.30	Coffee Break	
17.00	Close (start of IVOA Exec telecon)	
Thur 24	09.30	Hackathon
	10.45	Coffee break
	11.00	WP3 Plans (pdf) (pdf)
	11.30	WP4 Input to other Work Packages 15+10) pdf
	12.00	WP5 Plans
12.50	Lunch	

- Deux fois par an
- Le rendez-vous des développeurs de standards et d'outils
- Augmenter la participation française?
- Rendez-vous techno en France?



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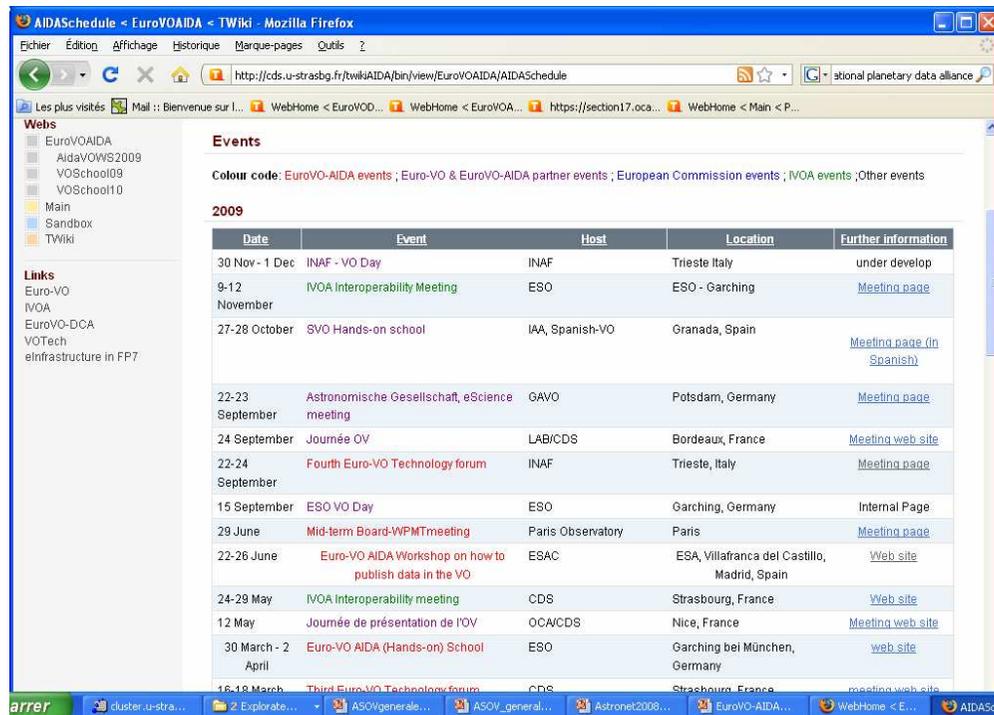
Aide aux utilisateurs/Feedback (1)

- Appel d'offre pour l'utilisation scientifique
certaines demandes sont en fait une demande d'aide
pour la mise en place de services – comment mettre
en place ce type d'aide en France?
- Feedback Workshop
Multiwavelength astronomy and the VO
- Hands-on – à destination des post-doc
Un succès remarquable
Un deuxième à Strasbourg en janvier 2010



Aide aux utilisateurs/feedback (2)

- Evolution forte : une activité fondamentale
- Décliné dans plusieurs pays



The screenshot shows a web browser window displaying the AIDASchedule website. The page title is "AIDASchedule < EuroVOAIDA < TWiki - Mozilla Firefox". The URL is "http://cds.u-strasbg.fr/twikiAIDA/bin/view/EuroVOAIDA/AIDASchedule". The page content includes a sidebar with "Webs" and "Links" sections, and a main "Events" section. The "Events" section lists various events for the year 2009, with columns for Date, Event, Host, Location, and Further information.

Date	Event	Host	Location	Further information
30 Nov - 1 Dec	INAF - VO Day	INAF	Trieste Italy	under develop
9-12 November	IVOA Interoperability Meeting	ESO	ESO - Garching	Meeting page
27-28 October	SVO Hands-on school	IAA, Spanish-VO	Granada, Spain	Meeting page (in Spanish)
22-23 September	Astronomische Gesellschaft, eScience meeting	GAVO	Potsdam, Germany	Meeting page
24 September	Journée OV	LAB/CDS	Bordeaux, France	Meeting web site
22-24 September	Fourth Euro-VO Technology forum	INAF	Trieste, Italy	Meeting page
15 September	ESO VO Day	ESO	Garching, Germany	Internal Page
29 June	Mid-term Board-WPMTmeeting	Paris Observatory	Paris	Meeting page
22-26 June	Euro-VO AIDA Workshop on how to publish data in the VO	ESAC	ESA, Villafranca del Castillo, Madrid, Spain	Web site
24-29 May	IVOA Interoperability meeting	CDS	Strasbourg, France	Web site
12 May	Journée de présentation de l'OV	OCACDS	Nice, France	Meeting web site
30 March - 2 April	Euro-VO AIDA (Hands-on) School	ESO	Garching bei München, Germany	web site
16-18 March	Third Euro-VO Technology forum	CDS	Strasbourg, France	meeting web site



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EuroVO-AIDA - VO-Day ... in Tour - Mozilla Firefox

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http://www.as.oats.inaf.it/voday/ INAF VO day

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Vo-Day ... in Tour

The [Euro-VO-AIDA](#) (EU/FP7 project) Board and the Euro-VO Science Advisory Committee, consider essential the dissemination, to each individual Member State of the project Euro VO-Aida, all the information that allow the users to use the infrastructure of Virtual Observatory (VO) by the scientific community. Therefore, inside the Euro VO-AIDA project, INAF-OATs in collaboration with INAF-SI (VObs.it) and other INAF structures and Italian University, organize for the Italian community in several INAF structures, a day and a half course devote to the VO, called VO-day.

The VO is opening up new ways of exploiting the huge amount of data provided by the ever-growing number of ground-based and space facilities, as well as by computer simulations. The goals of the workshop are to expose to the astronomers to the variety of VO tools and services available today so that they can incorporate them efficiently in their everyday research activities. The VO-day open to all astronomers, in particular to young university graduates, doctorates and post-docs.

VO experts from the [EURO-VO projects](#) will first give some highlights on the usage of the tools. Real life examples of scientific applications will then follow. A large fraction of the time will be dedicated to hands-on exercises, which will allow participants to become fully familiar with the VO capabilities.

Tools providing the following functionalities will be presented:

- Image and spectra handling
- Catalogue and table handling
- Cross-correlations



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EuroVO-ADA - VO-day ... in Firefox - Mozilla Firefox

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http://www.as.oats.inaf.it/voday/ INAF VO day

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[HERE there is an example of the program, with links, use cases and additional info.](#)

Plan:

- [Trieste: OATs: 30 November / 1 December 2009](#)
- [TNG: Videoconf from Trieste: 30 Nov / 1 Dec 2009](#)
- Bologna:
 - IRA/IASF: 14/15 December 2009
 - INAF-OABo: 16/17 December 2009
- Milano:
 - OAMi Merate: 11/12 January 2010
 - IASF - OAMi Brera: 13/14 January 2010
- Padova: OAPd - Dip Astr.: Preliminary Data 18/19 January 2010
- Napoli: under definition (9/10 February 2010)
- Catania: under definition (Febr/Mar 2010)
- Cagliari: TBD
- Firenze: under definition
- Palermo: OAPa - IASF: under definition
- Roma:
 - OARm: TBD
 - IASF: under definition
 - IFSI: TBD
- Teramo: under definition
- Torino: under definition

CONTACT:

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- Patrizia Manzato (INAF - OATs)
- Marco Molinato (INAF - OATs)
- Massimo Ramella (INAF - OATs)
- Giulia Iafrate (INAF - OATs)

SOC members:

R. Smareglia - INAF OATs
 U. Becciani - INAF OACt
 D. Perrotti - Univ Padova



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http://www.france-ov.org/twiki/bin/view/ASOVFrance/JourneeOVLAB2009

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Journée Observatoire Virtuel au Laboratoire d'Astrophysique de Bordeaux

24 septembre 2009, Bordeaux

Programme

- **Matin** : présentations sur l'Observatoire Virtuel (9h30-12h30)
 1. Introduction à l'Observatoire Virtuel (C. Bot) [.pdf](#)
 2. Les standards de l'Observatoire Virtuel, supports de l'interopérabilité (T. Boch) [.ppt](#)
 3. Présentation des outils (C. Bot, T. Boch)
 - Outils du CDS (C. Bot) [.pdf](#)
 - Outils de l'OV (T. Boch) [.ppt](#)
- **Après-midi** : sessions "hands-on" (14h-17h)
 - Exercice "Orion KL": [Recherche des données \(images, spectres, catalogues\) disponibles pour un objet donné](#)
 - Exercice "Métadonnées": [Transformation d'un fichier texte en VOTable - Ajout des métadonnées](#)
 - Exercice "Spectres stellaires": [Utilisation de VODesktop et de VOSpec pour une recherche de spectres stellaires et leur visualisation](#)
 - Exercice "Exoplanètes": [Recherche Vizier par UCDS, selections avec TOPCAT, interrogation de SIMBAD par script](#)
 - Exercice "Brown Dwarfs": [Scripts Aladin](#)

Liste des logiciels utilisés durant la session "hands-on"

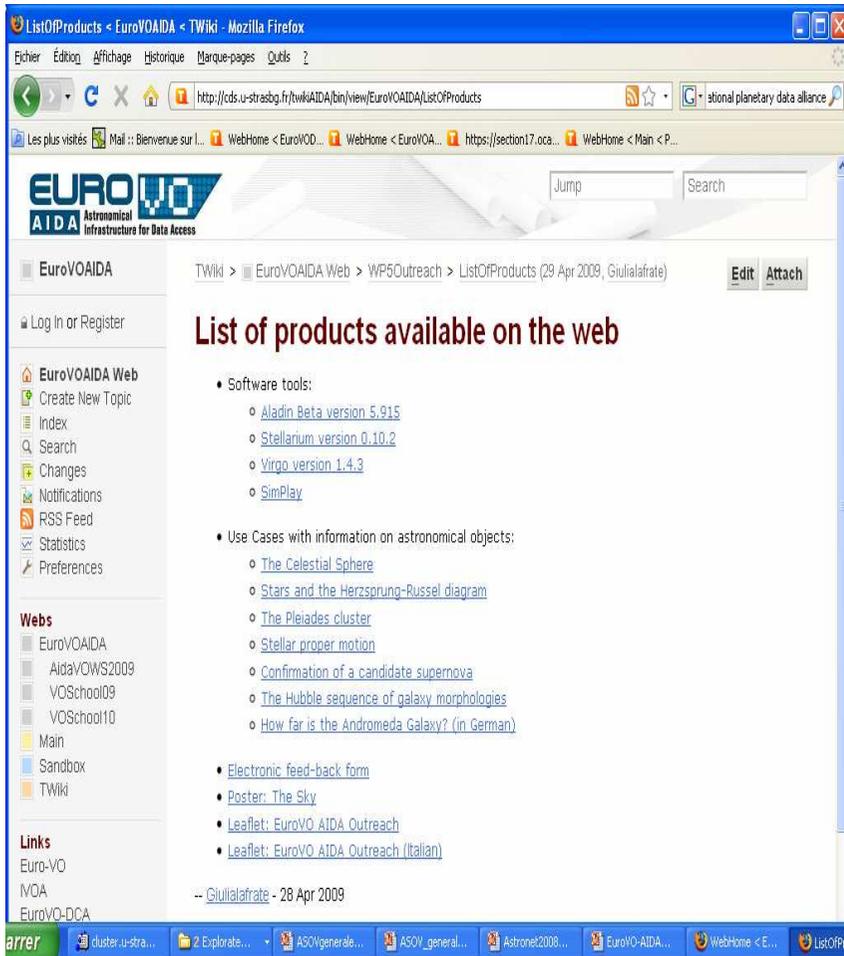
- Aladin : atlas interactif du ciel et portail VO

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Réunion annuelle de l'AS OV, 28 oct. 2009, F. Genova

Outreach



- Un succès remarquable
- Tests dans les classes
- Traduction des cas d'utilisation en français reste à faire



Réunion annuelle de l'AS OV, 28 oct. 2009, F. Genova

Stella - Science Teaching in a Lifelong Learning Approach - Mozilla Firefox

http://www.stella-science.eu/initiatives_view.php?id=846



Science Teaching in a Lifelong Learning Approach

ACCUEIL À PROPOS CATALOGUE COMMUNAUTÉS FORUMS Français

Nom de l'initiative: An educational project in the framework of the European Virtual Observatory: EuroVo AIDA - WPS
 Acronyme: EuroVO AIDA - WPS
 Pays: Italie

Il n'y a actuellement aucun commentaire. Cliquez ici pour laisser un commentaire

Informations générales Auteur / Contact Thématique et méthodologie Organisation de l'initiative Résultats Documentation

Bénéficiaires de l'initiative:
 Elèves et établissements scolaires impliqués:

- Les établissements d'enseignement secondaire général (11/12 à 18 ans)
- Les établissements d'enseignement secondaire professionnel ou technique
- Enseignement supérieur

Personnels de l'éducation:

- Enseignants
- Formateurs d'enseignants

Auteur: astronomers

EGU2009-12972-1.pdf (Objet application/pdf) - Mozilla Firefox

http://meetingorganizer.copernicus.org/EGU2009/EGU2009-12972-1.pdf

Geophysical Research Abstracts,
 Vol. 11, EGU2009-12972-1, 2009
 EGU General Assembly 2009
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Astronomical Infrastructure for Data Access (AIDA): service activities for higher education and outreach

G. Iafrate (1), M. Ramella (1), T. Boch (2), F. Bonnarel (2), F. Chèreau (3), P. Fernique (2), P. Osuna (4), and the Euro-VO AIDA collaboration Team

(1) INAF - Astronomical Observatory of Trieste (Italy), (2) CDS - Strasbourg (France), (3) ESO - Munich (Germany), (4) European Space Astronomy Center of ESA - Madrid (Spain)

We present preliminary simple interfaces developed to enable students, teachers, amateur astronomers and general public to access and use the wealth of astronomical data available in ground-based and space archives through the European Virtual Observatory (EuroVO). The development of these outreach interfaces are the aim of a workpackage of EuroVO-AIDA (Astronomical Infrastructure for Data Access), a project supported by EU in the framework of the FP7 Infrastructure Scientific Research Repositories initiative (project RI2121104). The aim of AIDA is to create an operating infrastructure enabling and stimulating new scientific usage of astronomy digital repositories. Euro VO AIDA is a collaboration between six European countries (PI Francoise Genova, CDS). The professional tools we adapt to the requirements of outreach activities are Aladin (CDS), Stellarium/VirGO (ESO) and VOSpec (ESA VO). Some initial requirements have been set a priori in order to produce a first version

Hands On Universe, EUROPE (Eu-Hou) - 2nd successful COMENIUS-funded Teacher Training Session - Cardiff, UK - Mozilla Firefox

http://www.euhou.net/index.php?option=com_content&task=view&id=223&Itemid=49



Home News 2nd successful COMENIUS-funded Teacher Training Session - Cardiff, UK

2nd successful COMENIUS-funded Teacher Training Session - Cardiff, UK

The second COMENIUS-funded EU-HOU training session was held in Cardiff, UK this August, hosted by the UK partners, the Faulkes Telescope Project and was a huge success for all attendees.

In total, 26 teachers from the 15 partner countries attended the session held at Cardiff University in Wales. The days consisted of a number of hands-on workshops and talks aimed at showing the educators freely available astronomical resources which can be used in their classrooms back home to help stimulate their pupils' interest and enthusiasm in science.

Talks included the use of robotic telescopes in the classroom, both optical and radio, how to use the Virtual Observatory for education and how to use the multilingual Salsa2 software to analyse astronomical data.

Teachers were then given the chance to use Salsa2 to measure the mass of Jupiter and the sizes of craters on the Moon, plot a Hertzsprung-Russell diagram for an open cluster of stars, and look for new planets. They were also given the chance to do even more




Réunion annuelle de l'AS OV, 28 oct. 2009, F. Genova

En France



Réunion annuelle de l'AS OV, 28 oct. 2009, F. Genova

- Les activités des équipes OV continuent
 - Développement de standards
 - Développements d'outils
 - Centres de données et services
- Participation significative à l'IVOA



Activités de l'AS OV

- Support à des réunions (groupes de travail, réunions thématiques, réunions régionales)
 - Atelier Workflow
 - Atelier KIDA
 - Journée OV à Bordeaux (aussi à l'OCA)
- Support à la participation aux réunions de l'IVOA
- Colloque annuel
- Expertises pour la CSA



Evolutions de l'AS OV

Discuté au colloque de prospective

- Conserver le rôle de coordination et de support aux centres de données
- Renforcer le rôle de support aux utilisateurs (cf Bordeaux). Lourde charge sur le CDS
- Mettre en place un rôle d'évaluation des services (en coordination avec les programmes)?

