



# State of the TCG

Christophe Arviset  
for the  
IVOA Technical Coordination Group

# Technical Coordination Group



TCG

TCG	Chair	Vice-Chair
TCG	Christophe Arviset	Séverin Gaudet
IVOA Chair	Fabio Pasian	Paolo Padovani
Working Group	Chair	Vice-Chair
Applications	Tom McGlynn	Mark Taylor
Data Access Layer	Keith Noddle	Jesus Salgado
Data Model	Mireille Louys	Anita Richards
Grid&Web Services	Matthew Graham	Paul Harrison
Registry	Ray Plante	Aurelien Stebe
Semantics	Sebastien Derriere	Norman Gray
VOEvent	Rob Seaman	Alasdair Allan
VO Query Language	Pedro Osuna	Yuji Shirasaki
VOTable	François Ochsenbein	n/a
Standard and Processes	Francoise Genova	n/a
Interest Group	Chair	Vice-Chair
Astro RG	Masatoshi Ohishi	n/a
Data Curation & Preservation	Bob Hanisch	n/a
Theory	Herve Wozniak	Claudio Gheller

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

- Technical Coordination amongst WGs/IGs
- Liaison with IVOA Exec
- Specific role in Recommendation Process
- WG chair 3 years term ending



# Roadmap 2009/2010



TCG

- The IVOA in 2009 : Technical Assessment and Roadmap issued on 01/10/2009
  - Prepared by all WG / IG Chairs/vice-Chairs
  - Endorsed by IVOA Exec
  
- IVOA main technical achievements since last year
- IVOA technical roadmap by WG / IG for upcoming year
- Potential discussions required amongst WG/IG
  
- <http://www.ivoa.net/Documents/Notes/IVOATechRoadmap2009/>

# Standards into RECs since last Interop



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- Vocabularies v1.16
  - September 2009
- VOspace v1.15
  - September 2009
- Registry Interface v1.01
  - September 2009



# Standards in RFC / TCG review



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- Credential Delegation Protocol v1.01
  - 21/09/2009 – 16/10/2009
- IVOA Document Standards v1.2
  - 05/10/2009 – 01/11/2009
- VOTable 1.2
  - 06/10/2009 – 06/11/2009
- TAP 1.0
  - 09/10/2009 – 06/11/2009
- SIAP v1.0 (“legacy” version)
  - 15/10/2009 – 06/11/2009

**Hopefully soon  
all becoming  
IVOA RECs !**



# Standards in RFC period



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- SLAP 1.0 and SSLDM 1.0
  - 20/07/2009 – 15/09/2009
  - RFC completed, new version with some updates to move to TCG review
  
- VODataService 1.1
  - 30/09/2009 – 30/10/2009
  - Ready to move to TCG review
  
- UWS
  - 05/10/2009 – 06/11/2009
  - Some comments, might need RFC extension

# Roadmap 2009/2010 - 1



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- Stronger link with Science Requirements
  - Priority on some standards
- IVOA overall system architecture
  - Interdependencies between standards
  - Each standard should clearly link to overall architecture
- Take-up of standards
  - By data centres, by application builders, by astronomers
  - Interoperable implementations, services validators
- Many WG/IG chairs coming to the end of their 3 years term by next May Interop

# Roadmap 2009/2010 - 2



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- Main Standards under development (non exhaustive list), more details in WG/IG chair presentations and sessions
  - [DAL] SIAP v2, PQL, SimDAP
  - [DM] ObsDM, PhotDM, Units, Utypes, SCDM
  - [GWS] VOSI, BP
  - [Registry] VOStandard, VOApplications, SIA/SCS Extended Resource
  - [VOEvent] VOEvent 2.0, SEAP, VOEvent Registry Extension
  - [Theory] SimDB, Microsimulations
  - [Sem] UCD 1+
  
- [Registry] Curation Tools



# Existing IVOA REC standards - 1



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Standards	WG	Date	Comments
<b>2003</b>			
IVOA Document Standards v1.0	Standards & Process Committee	October 2003	v1.2 expected in 2009
<b>2004</b>			
VOTable v1.10 VOTable Format Definition	VOTable	August 2004	VOTable 1.2 expected in 2009
<b>2005</b>			
UCD v1.10 An IVOA Standard for Unified Content Descriptors	Semantics	August 2005	
<b>2006</b>			
Maintenance of the list of UCD words v1.20	Semantics	May 2006	
VOEvent v1.11 Sky Event Reporting Metadata	VOEvent	November 2006	
<b>2007</b>			
Standards	WG	Date	Comments
IVOA Identifiers v1.12	Registry	March 2007	
Resource Metadata for the Virtual Observatory v1.12	Registry	March 2007	
UCD 1+ v1.23 The UCD1+ controlled vocabulary	Semantics	April 2007	UCD 1+ v1.3 expected in 2009
STC v1.33 Space-Time Coordinate Metadata for the VO	DM	October 2007	
SpectraDM v1.01 Spectral Data Model	DM	October 2007	

More details can be found on the IVOA Document pages at: <http://www.ivoa.net/Documents/>

# Existing IVOA REC standards - 2



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2008			
Standards	WG	Date	Comments
SSO v1.03 Single-Sign-On Profile: Authentication Mechanisms	GWS	January 2008	
VOSpace v1.02 VOSpace service specification	GWS	January 2008	VOSpace v1.15 in September 2009
VOResource v1.03 VOResource: an XML Encoding Schema for Resource Metadata	Registry	February 2008	
SCS v1.03 Simple Cone Search	DAL	February 2008	
SSAP v1.04 Simple Spectra Access Protocol	DAL	February 2008	
CharDM v1.13 Data Model for Astronomical DataSet Characterization	DM	March 2008	
ADQL v2.0 Astronomical Data Query Language	VOQL	October 2008	
2009			
Standards	WG	Date	Comments
SAMP 1.11 Simple Application Messaging Protocol	Apps	April 2009	
Vocabularies 1.16	Semantics	September 2009	
VOSpace 1.5	GWS	September 2009	Update from VOSpace 1.0
Registry Interface 1.01	Registry	September 2009	

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