



State of the TCG Heidelberg 2013-05-13

*Séverin Gaudet
For the TCG*

Technical Coordination Group



TCG

- Assures technical coordination amongst WGs/IGs
- Liaison with IVOA Exec
- Specific role in Recommendation Process

	Chair	Vice-Chair
TCG	Séverin Gaudet	Matthew Graham
Working Groups		
Applications	Mark Taylor	Pierre Fernique
Data Access Layer	Patrick Dowler	Mike Fitzpatrick
Data Model	Jesus Salgado	Omar Laurino
Grid and Web Services	Andreas Wicenec	André Schaaff
Registry	Gretchen Greene	Pierre Le Sidaner
Semantics	Norman Gray	Mireille Louys
Interest Groups		
Data Curation & Preservation	Alberto Accomazzi	Francoise Genova
Education	Massimo Ramella	Sudhanshu Barway
Knowledge Discovery in Databases	George Djorgovski	n/a
Theory	Franck Le Petit	Rick Wagner
Time Domain	Matthew Graham	John Swinbank
IVOA Committees		
Exec	Ajit Kembhavi	David Schade
Standard and Processes	Francoise Genova	n/a
Science Priorities	Mark Allen	n/a
Inactive Working Groups		
VOTable	Dormant	
VO Query Language	Merged with DAL in May 2010	
VOEvent	Transformed into Time Domain IG in Oct 2012	

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

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IVOA Architecture



TCG

- IVOA Architecture Note released on 23/Nov/2010
 - <http://www.ivoa.net/Documents/Notes/IVOAArchitecture/20101123/index.html>
- General description of IVOA Architecture
 - Level 0, 1, and 2 from general to VO specific
 - Present all IVOA standards in one slide (Level 2)
- Level 0 and 1 stable since creation
- Level 2 updated with new IVOA standards
- Individual standards diagram updated

IVOA Architecture Level 0



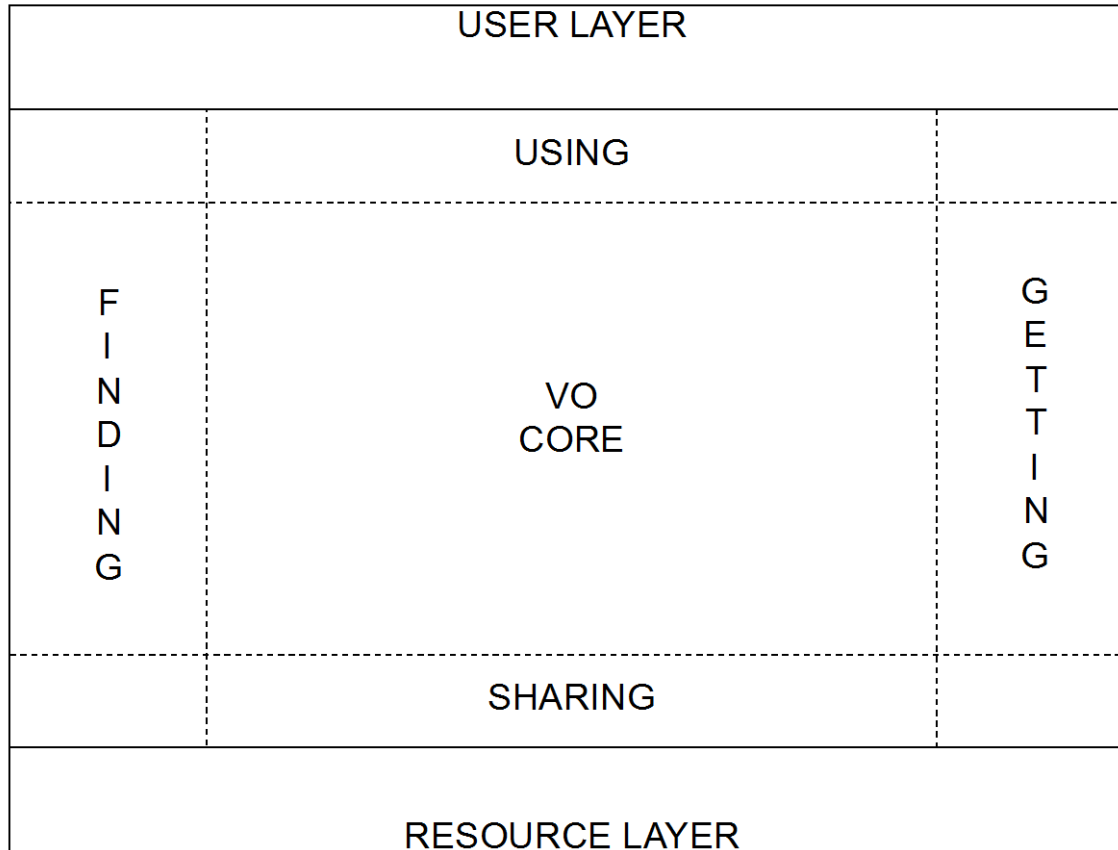
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LEVEL 0

USERS



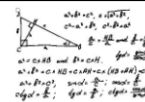
COMPUTERS



20120521
IVOA Architecture



PROVIDERS



Stable since
creation

IVOA Architecture Level 1



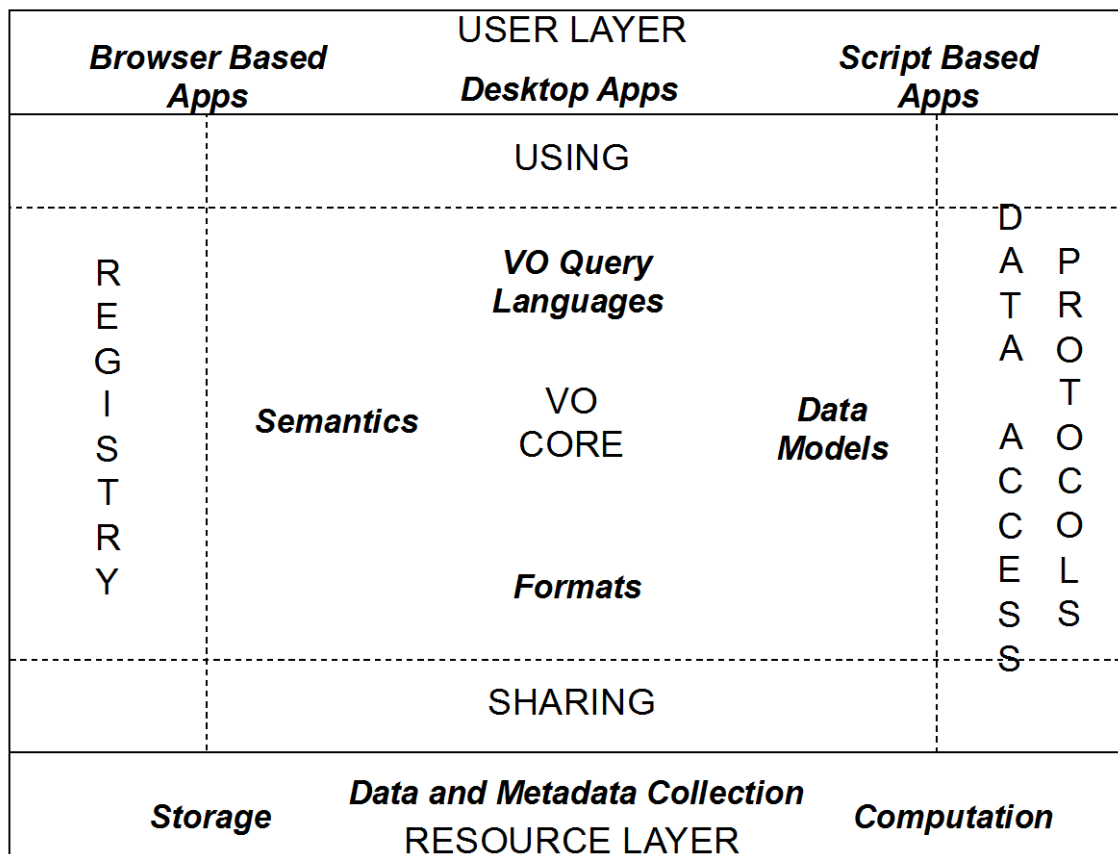
TCG

LEVEL 1

USERS



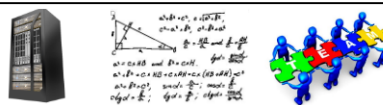
COMPUTERS



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IVOA Architecture



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Stable since
creation

IVOA Architecture Level 2



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LEVEL 2
All standards

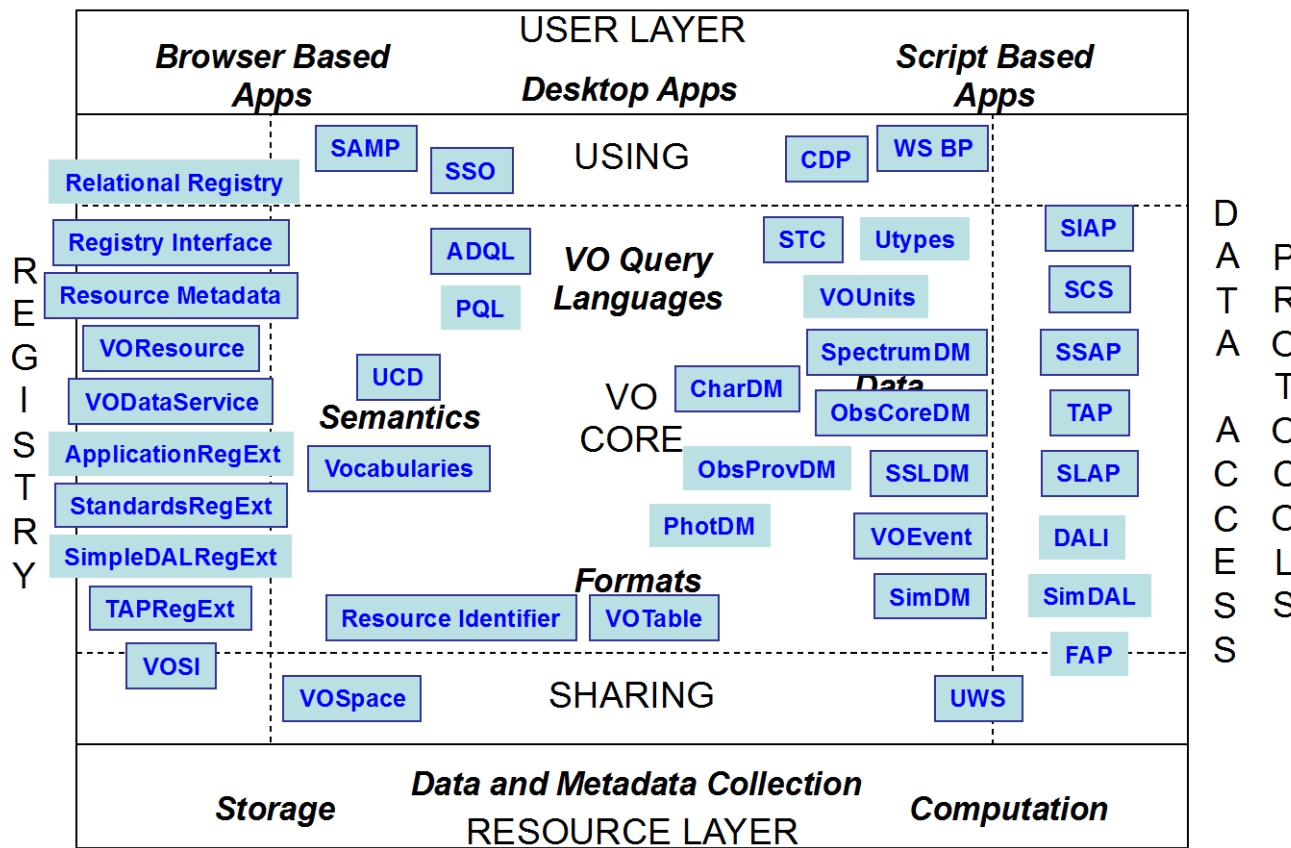
USERS



COMPUTERS

REC

InProgress

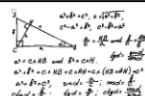


Updated with new standards

20121120
IVOA Architecture



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Standards into REC since last Interop



TCG

- [GWS] VOSpace 2.0
 - 29 March 2013



VOSpace 2.0



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VOSpace

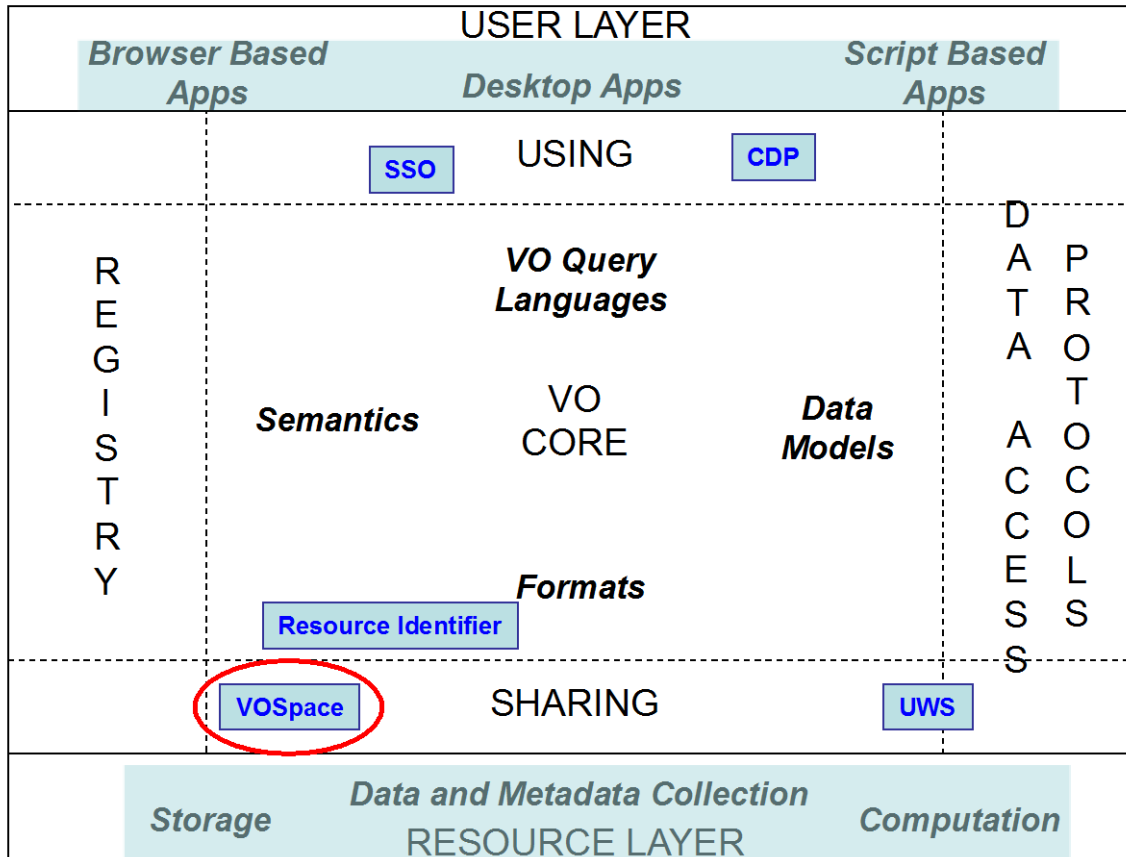
USERS



COMPUTERS

REC

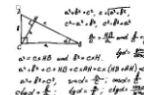
InProgress



20121120
IVOA Architecture



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PR's in the Rec Process



TCG

- PhotDM 1.0
 - Significant comments at the end of the TCG review
 - Now decoupled from UTYPES standard
 - Back to the WD stage

- SimpleDALRegExt 1.0
 - TCG review began on 4/Dec/2012; awaiting TCG responses

- VOUnits 1.0
 - TCG review began on 30/Apr/2013

PR's in the Rec Process



TCG

- DALI (Data Access Layer Interface) 1.0
 - RFC period closed on 21/Mar/2013
 - Waiting for RFC responses before starting TCG review
- VOTable1.3
 - TCG review began on 30/Apr/2013

TCG Meeting 12/May/2013



TCG

■ UTYPEs

- Tiger team formed July 2012 drawn from two sources:
 - Representatives of the affected WGs and IGs, nominally the chairs or vice-chair and;
 - Representatives of a few major data providers.
- Deliverables:
 - *UTYPEs: current usages and practices in the IVOA* (Note – March 2013)
 - *VO-DML: a proposal for a consistent modeling language for IVOA data models* (WD – May 2013)
 - *UTYPEs: Portable Data Model References* (WD – May 2013)

TCG Meeting 12/May/2013



TCG

■ UTYPEs (con'td)

- UTYPEs Tiger Team work is done
- Thank you to team members for their significant effort:
 - Jesus Salgado: DM chair and ESAC representative
 - Omar Laurino: DM vice-chair and CfA representative
 - Matthew Graham: Time Domain chair
 - Pat Dowler: DAL chair and CADC representative
 - Pierre Fernique: Apps vice-chair
 - Mireille Louys: Semantics vice-chair and CDS representative
 - Gerard Lemson: Theory representative.
 - Markus Demleitner: GAVO representative

TCG Meeting 12/May/2013



TCG

■ UTYPEs (cont'd)

- The solution proposed is not unanimous and was the major topic of discussion
- Main discussions scheduled in the UTYPEs and DM sessions on Thursday
- InterOp discussion will inform the next steps in the IVOA process
- Discussed proceeding with prototyping use to understand the difficulties and the issues

TCG Meeting on 12/May/2013



TCG

- Filter Profile Service: interested parties will be consulted and if necessary a splinter session will be scheduled
- September InterOp:
 - September 26-28 2013 prior to ADASS
 - A 3 day technically focused sessions – no focus sessions, no invited speakers
 - Open and closing plenaries
- IVOA Roadmap web page
 - <http://wiki.ivoa.net/twiki/bin/view/IVOA/2013Roadmap>

TCG Meeting on 12/May/2013



TCG

- As per the Exec charge of 6 month reviews, the TCG reviewed the "Publishing Data in the VO" page
 - <http://www.ivoa.net>
 - Invite all InterOp participants to provide input
- Discussion of Notes being used in implementations
 - Example: STC in VOTables
 - Issues of managing changes, deprecating notes, disseminating changes to notes, etc.
 - Françoise Genova leading the effort to define a process for managing these notes
 - All ideas welcome

Existing IVOA REC standards - 1



TCG

Standards	WG	Date	Comments
2003			
IVOA Document Standards v1.0	Standards & Process Committee	October 2003	IVOA Doc Std v1.2 in 2010
2004			
VOTable v1.10 VOTable Format Definition	VOTable	August 2004	VOTable v1.2 in 2009
2005			
UCD v1.10 An IVOA Standard for Unified Content Descriptors	Semantics	August 2005	
2006			
Maintenance of the list of UCD words v1.20	Semantics	May 2006	
VOEvent v1.11 Sky Event Reporting Metadata	VOEvent	November 2006	
2007			
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	

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

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	
SIAP 1.0 Simple Image Access Protocol	DAL	November 2009	
VOTable v1.2 VOTable Format Definition	VOTABLE	November 2009	Update from VOTable 1.10
CDP 1.0 Credential Delegation Protocol	GWS	November 2009	

Existing IVOA REC standards - 3



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2010			
Standards	WG	Date	Comments
TAP 1.0 Table Access Protocol	DAL	February 2010	
IVOA Document Standards v1.2	Standards & Process Committee	March 2010	Update from IVOA Document Standards v1.0
UWS 1.0 Universal Worker Service	GWS	October 2010	
<u>VODataService</u> 1.1	Registry	October 2010	
SSLDM 1.0 Simple Spectra Line DM	DM	November 2010	
SLAP 1.0 Simple Line Access Protocol	DAL	November 2010	
WS BP 1.0 Web Service Basic Profile	GWS	December 2010	
SAMP 1.2 Simple Application Messaging Protocol	Apps	December 2010	Minor updates from SAMP 1.11

More details can be found
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Existing IVOA REC standards - 4



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2011			
Standards	WG	Date	Comments
VOSI 1.0 IVOA Support Interface	GWS	May 2011	
VOEvent 2.0	VOEvent	July 2011	
ObsCoreDM 1.0 Observation Core DM	DM	October 2011	
SSAP 1.1 Simple Spectra Access Protocol	DAL	November 2011	Update from SSAP 1.04
SpectrumDM 1.1	DM	November 2011	Update from SpectrumDM 1.03
2012			
Standards	WG	Date	Comments
SAMP 1.3 Simple Application Messaging Protocol	Apps	April 2012	Update from SAMP 1.2
StandardsRegExt 1.0	Registry	April 2012	
SimDM 1.0	DM/ Theory	May 2012	
TAPRegExt 1.0	DAL	June 2012	

More details can be found on the IVOA Document pages at:
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IVOA Standards per year



TCG

IVOA Standards issued per year

