



State of the TCG

*Christophe Arviset
For the TCG*

Technical Coordination Group



TCG

TCG	Chair	Vice-Chair
TCG	Christophe Arviset	Séverin Gaudet
IVOA Chair	Paolo Padovani	Ajit Kembhavi
Working Groups	Chair	Vice-Chair
Applications	Tom McGlynn	Mark Taylor
Data Access Layer	Patrick Dowler	Mike Fitzpatrick
Data Model	Mireille Louys	Jesus Salgado
Grid&Web Services	Matthew Graham	Paul Harrison
Registry	Ray Plante	Gretchen Greene
Semantics	Sebastien Derriere	Norman Gray
VOEvent	Rob Seaman	Roy Williams
VOTable (dormant)	François Ochsenbein	n/a
VO Query Language	Merged with DAL since May 2010	
Interest Groups	Chair	Vice-Chair
Data Curation & Preservation	Alberto Accomazzi	n/a
Knowledge Discovery in Databases	Giuseppe Longo	n/a
Theory	Herve Wozniak	Claudio Gheller
IVOA Committees	Chair	Vice-Chair
Standard and Processes	Francoise Genova	n/a
Science Priorities	Dave De Young	n/a

<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
- New WG/IG chairs since May



*International
Virtual
Observatory
Alliance*

The IVOA in 2010: Technical Assessment and Roadmap

Version 1.0, *IVOA Note 2010-10-07*

This version:

Version 1.0-7th of October 2010

Latest versions:

<http://www.ivoa.net/Documents/Notes/IVOATechRoadmap2009/>
<http://www.ivoa.net/Documents/latest/IVOARoadMap-2008.html>
<http://www.ivoa.net/Documents/latest/IVOARoadMap-2007.html>
<http://www.ivoa.net/Documents/latest/RoadMap-2006.html>
<http://www.ivoa.net/Documents/latest/RoadMap.html>

Previous version(s):

Editor:

Christophe.Arvizet, TCG Chair

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Paolo Padovani, Ajit Kembhavi – IVOA Exec
Tom MacGlynn, Mark Taylor – Application WG
Pat Dowler, Mike Fitzpatrick – DAL WG
Mireille Louys, Jesus Salgado – DM WG
Matthew Graham, Paul Harrison – GWS WG
Ray Plante, Gretchen Greene – Registry WG
Sebastien Derriere, Norman Gray – Semantics WG
Rob Seaman – VOEvent WG
Alberto Accomazzi – Data Curation and Preservation IG
Herve Wozniak, Claudio Gheller – Theory IG
Francoise Genova – Standards and Processes Committee
Dave de Young – Standing Committee on Science Priorities



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- Main technical achievements since last year
- Upcoming Roadmap per WG / IG
 - <http://www.ivoa.net/Documents/Notes/IVOATechRoadmap2010>

IVOA Architecture Note



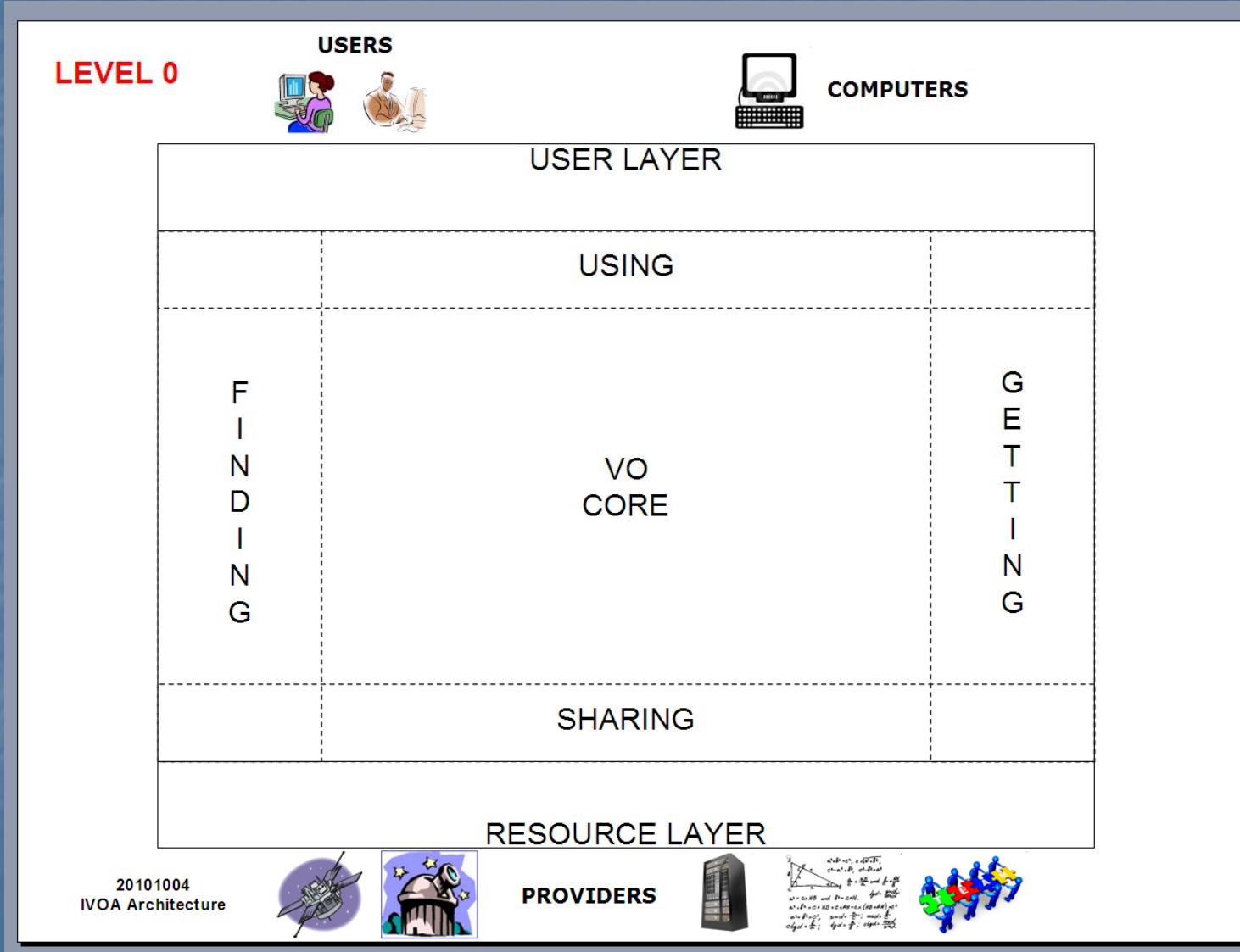
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- Released on 23/Nov/2010
 - <http://www.ivoa.net/Documents/Notes/IVOAArchitecture/20101123/index.html>
- General description of IVOA Architecture
 - Level 0, 1, and 2 from general to VO specific
 - Present all IVOA standards in one slide (Level 2)
- For each existing and upcoming IVOA Std
 - Place in IVOA Architecture, link with other stds
 - General (not too technical) description

IVOA Architecture Level 0



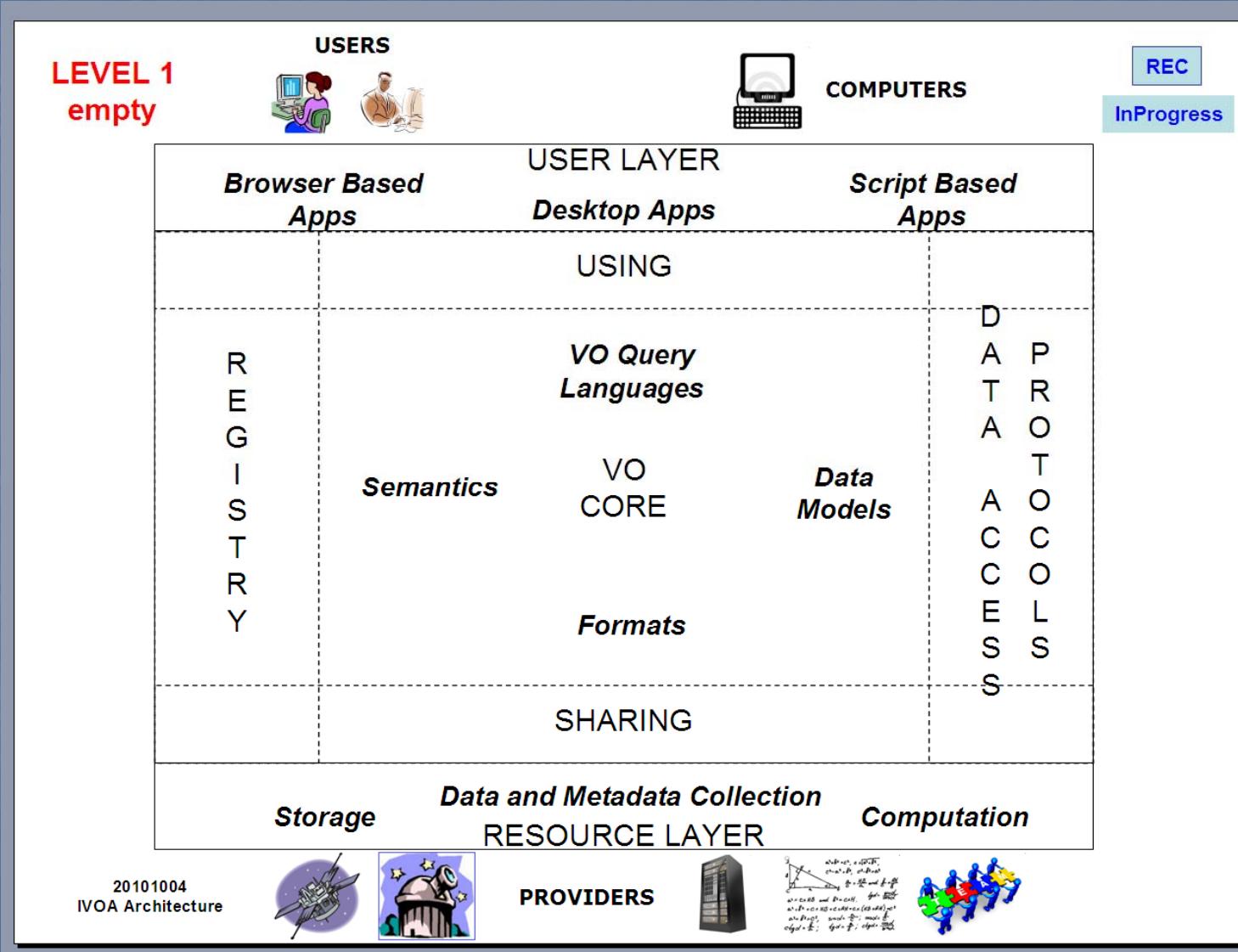
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IVOA Architecture Level 1



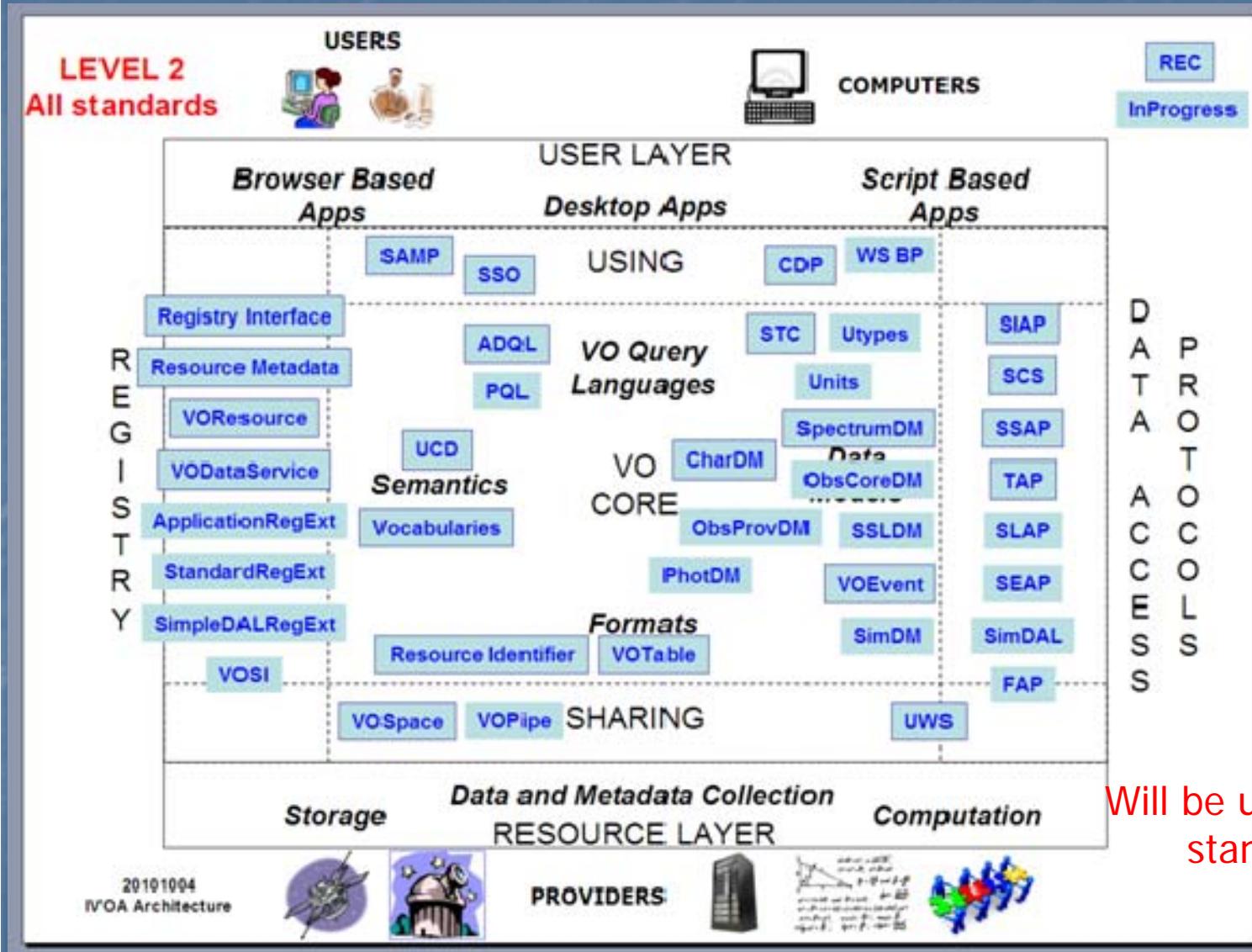
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IVOA Architecture Level 3



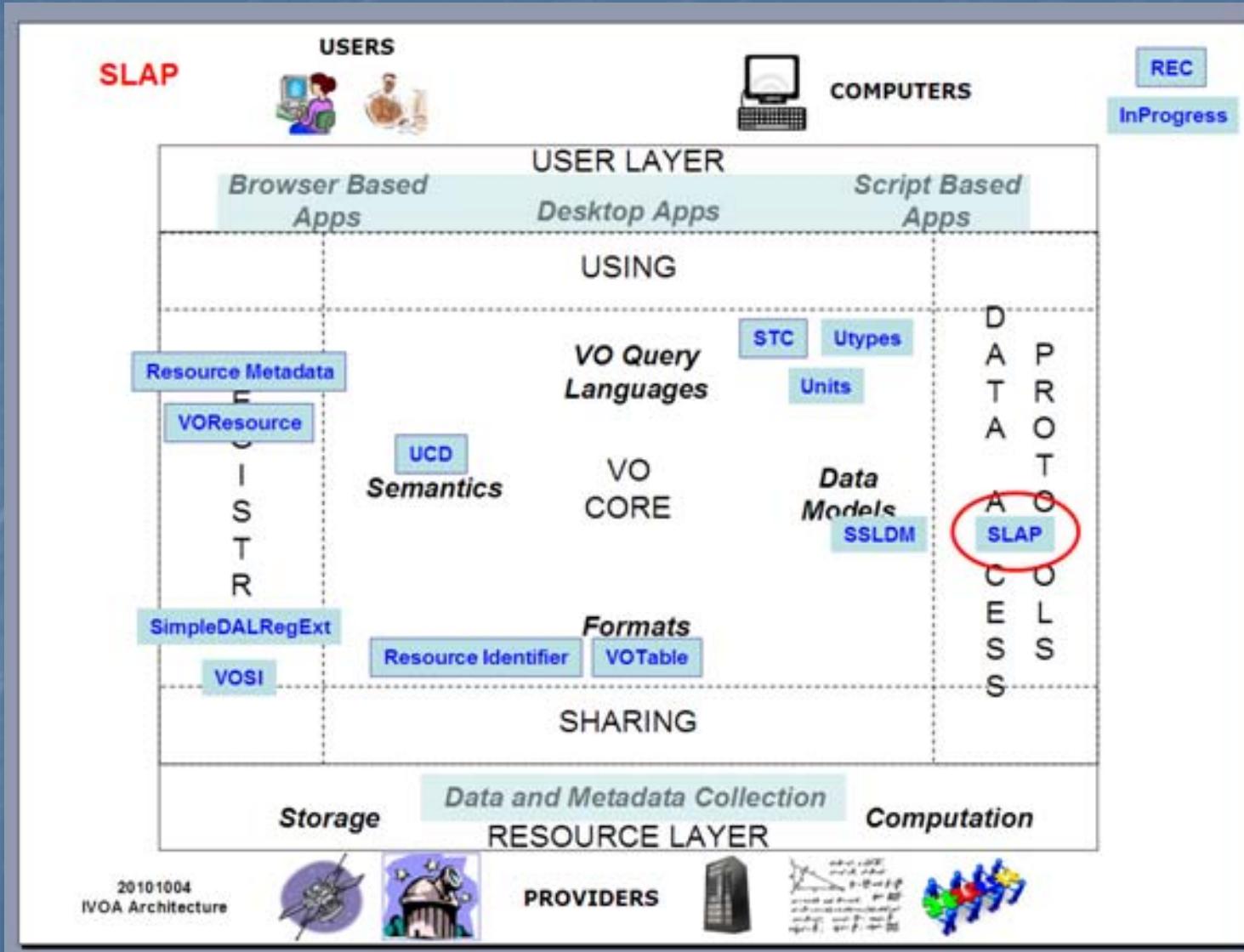
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Example : SLAP



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- Used in the SLAP Document, together with the general description
- Similar concept to be used for any new IVOA standard

TCG F2F meeting #02 – 6 Dec



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- Meeting shorter than expected
 - ½ day instead of 1 day due to flying difficulties
- Clarify role and process for science use cases
 - Role of the Science Use Case Scientist
 - Role of the WG chairs
 - Role of the TCG
- Review status for the 3 science use cases
 - ObsTAP, SED builder, Search on list of Target and target type

ObsTAP Service



USERS



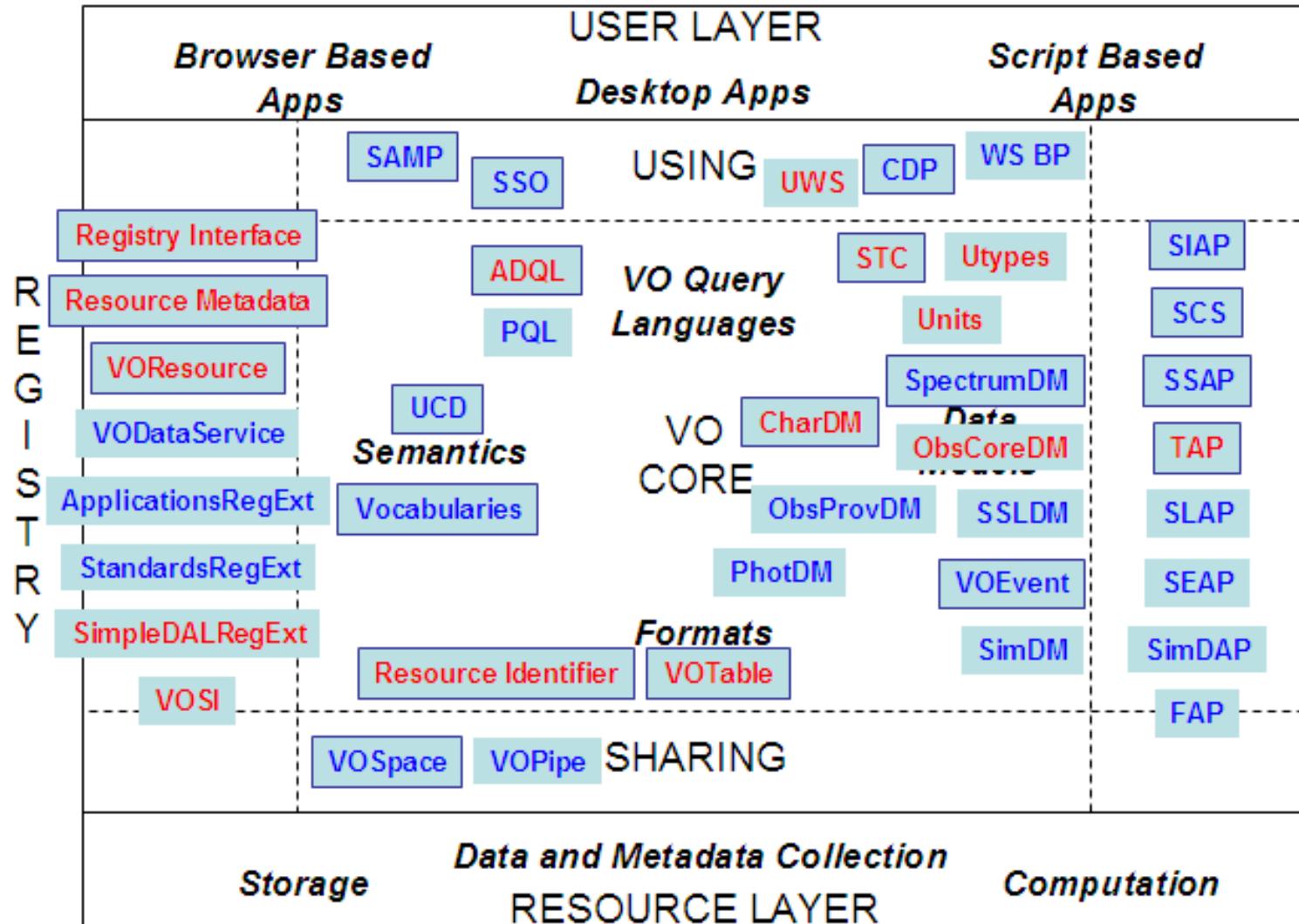
COMPUTERS

REC

InProgress

REC used

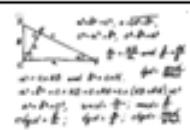
Std to be updated or created



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PROVIDERS



SED Builder

USERS



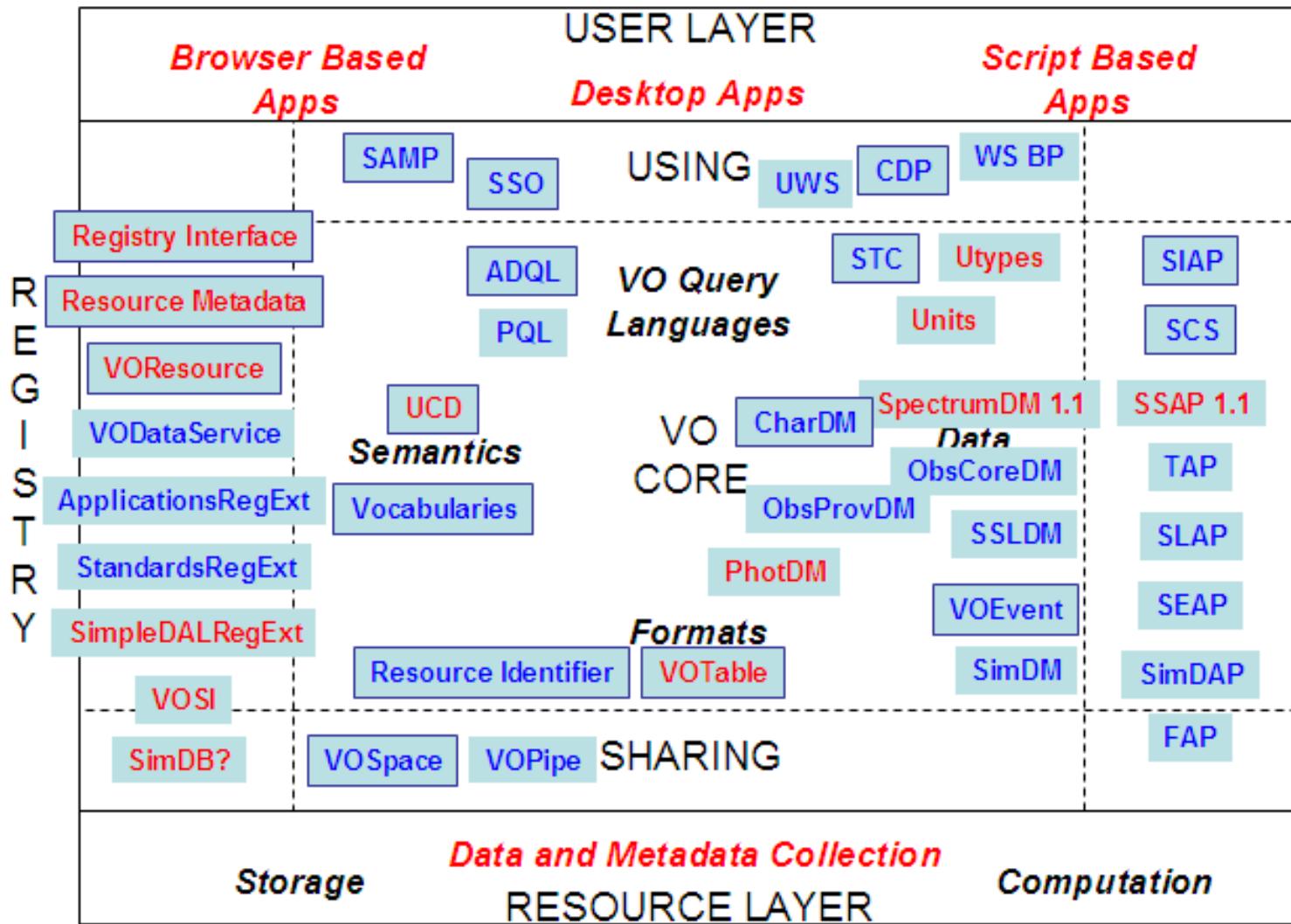
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REC

InProgress

REC used

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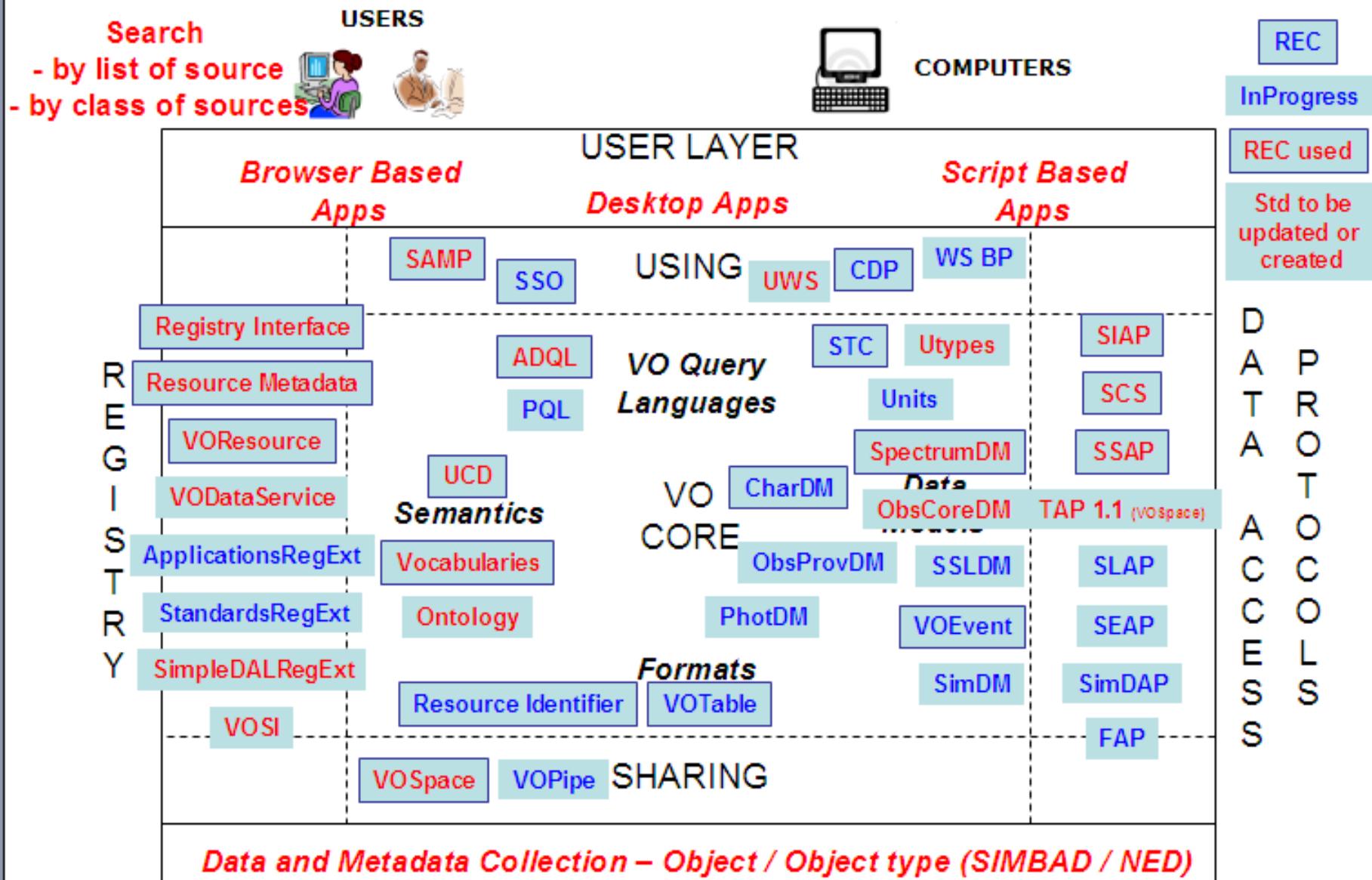


20100525
IVOA Architecture



PROVIDERS

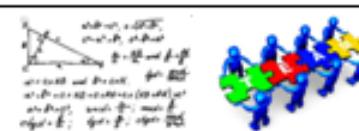




20100525
 IVOA Architecture



PROVIDERS



TCG F2F meeting #02 – 6 Dec



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- Review interactions between Theory standards and other WGs (DAL, DM, Registry)
 - Specific session this week (Friday 16:00-17:30)
- Review status of Units and Utypes standards
- Not time to tackle
 - Update of existing standard docs with IVOA Architecture
 - WG/IG web pages
 - TCG roadmap for SLiCAP
 - Registry schema extension process

Standards into REC since last Interop



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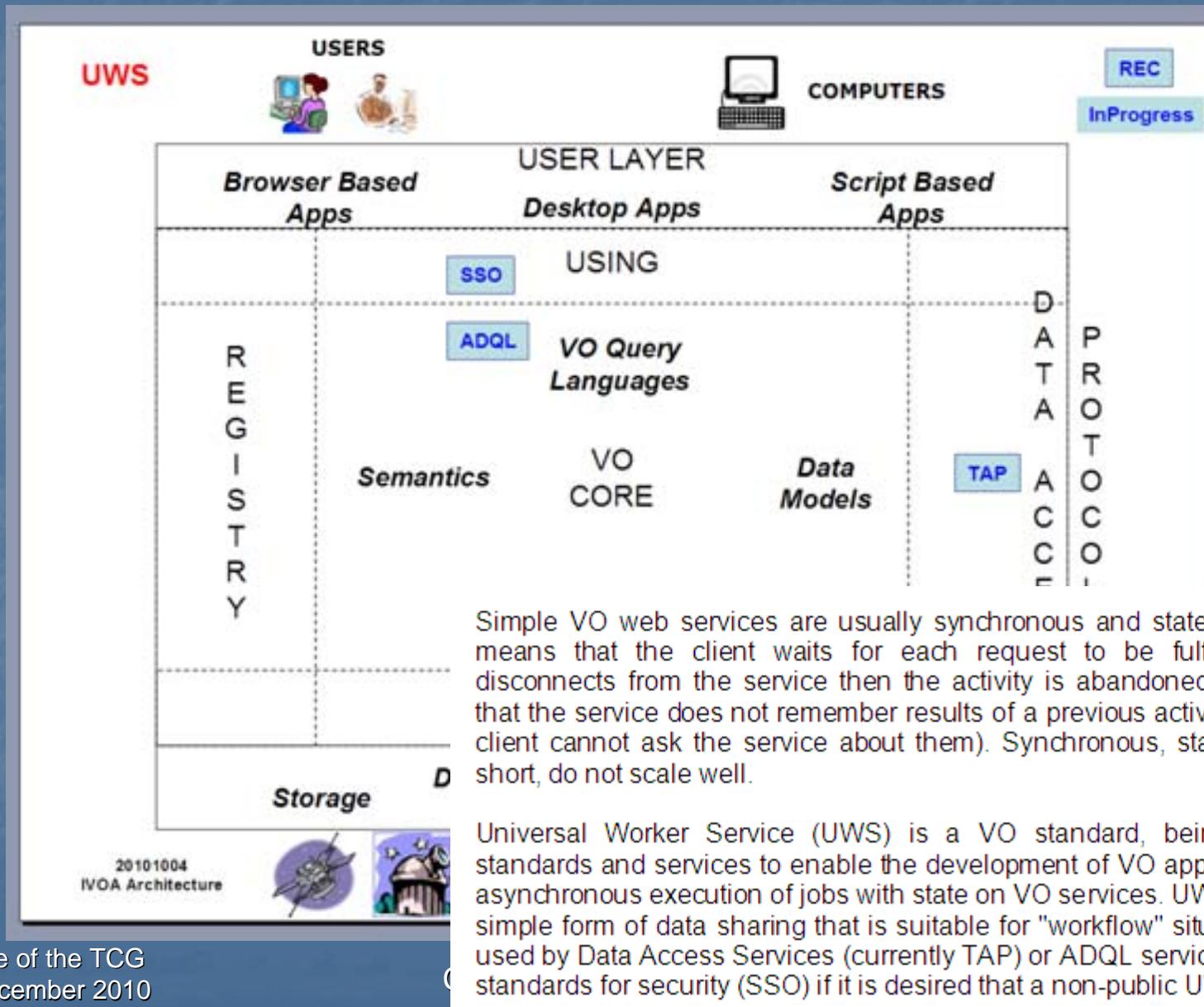


- [GWS] UWS 1.0
- [Registry] VODaService 1.1
 - Both in October 2010
- [DAL] SLAP 1.0
- [DM] SSLDM 1.0
 - Both in November 2010

UWS 1.0 – REC in Oct 2010



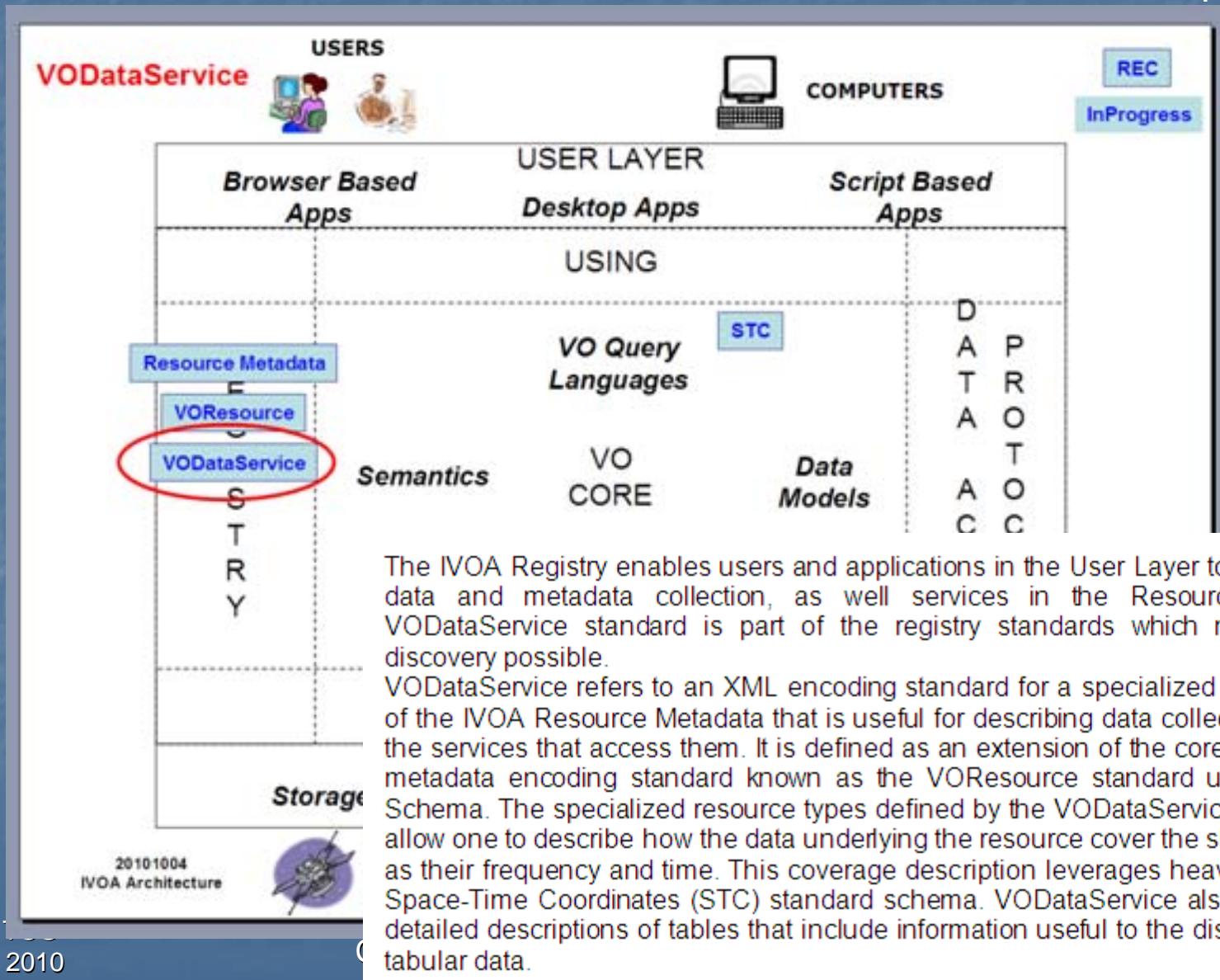
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VODataService 1.1 – REC in Oct 2010



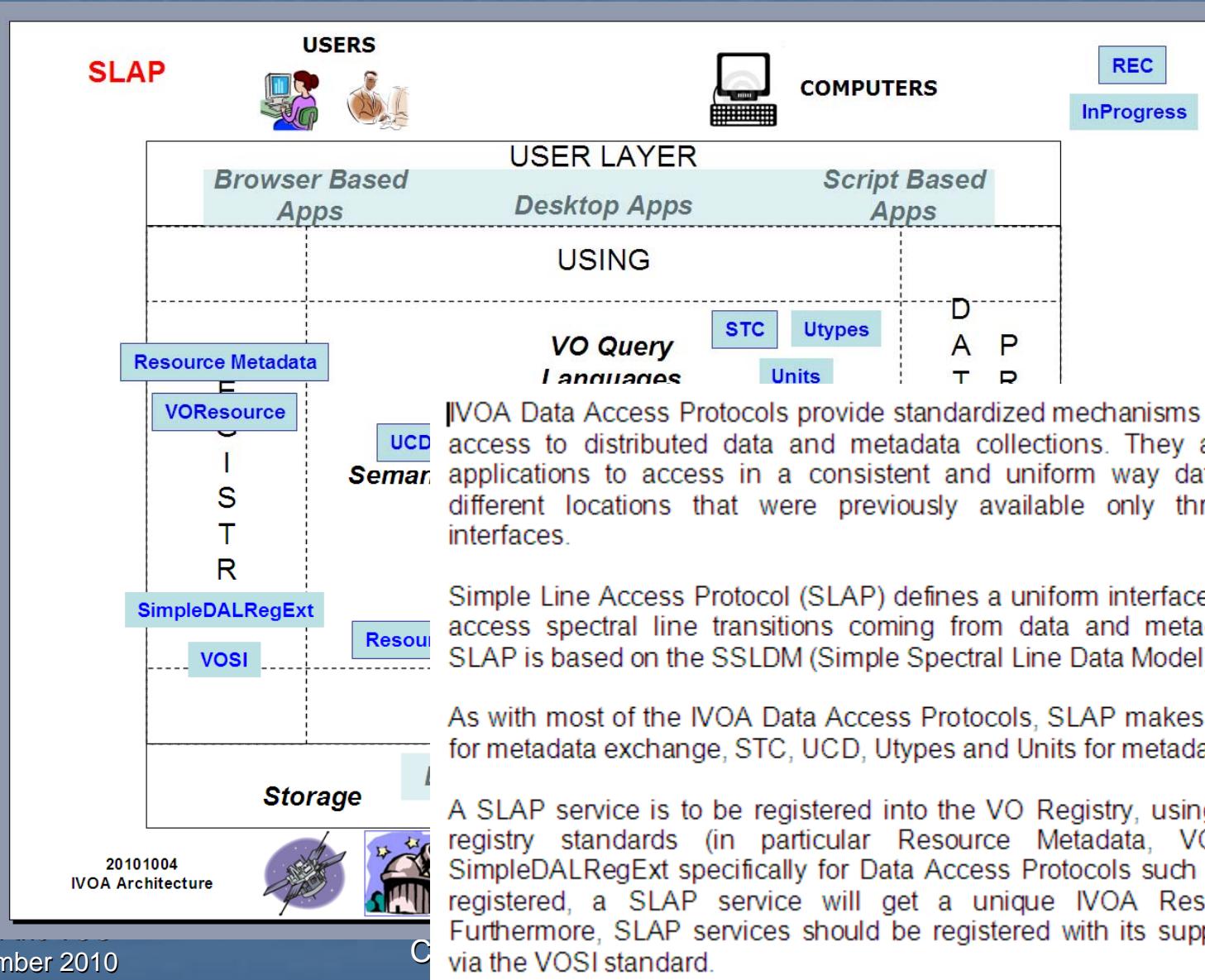
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Simple Line Access Protocol – REC in Nov 2010



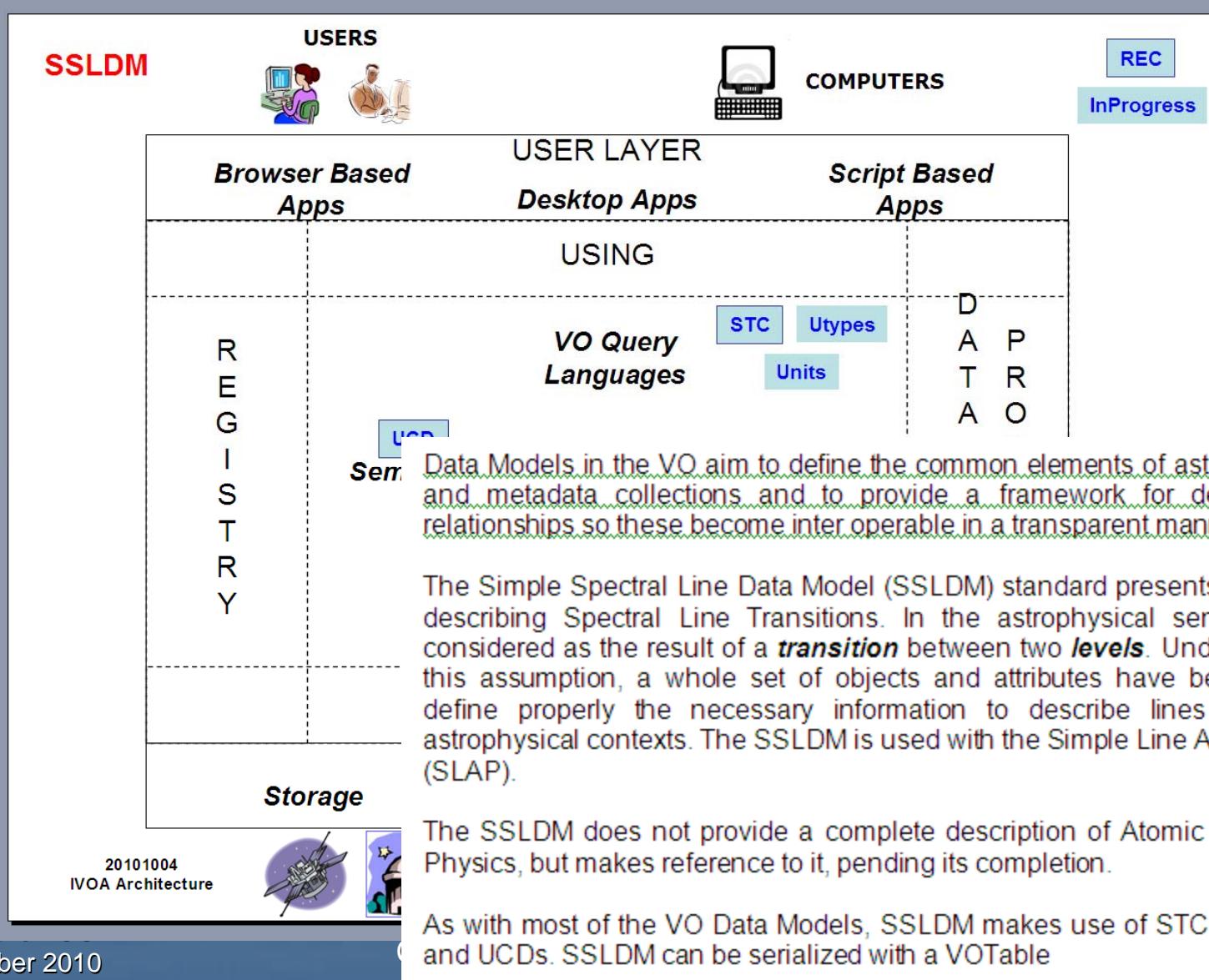
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Simple Spectrum Line DM – REC Nov 2010



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Standards to become REC soon



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- Standards in REC process
 - SAMP 1.2
 - TCG completed, Exec review this week
 - Web Service Basic Profile 1.0
 - TCG completed, Exec review this week
- VO Service Interface
 - In RFC in May 2010, need update to move forward

Existing IVOA REC standards - 1



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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	
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	

More details can be found
on the IVOA Document pages at:
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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	
VODaDataService 1.1	Registry	October 2010	
SSLDLM 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		Exec Review this week
SAMP 1.2 Simple Application Messaging Protocol	Apps		Minor updates from SAMP 1.11 Exec Review this week

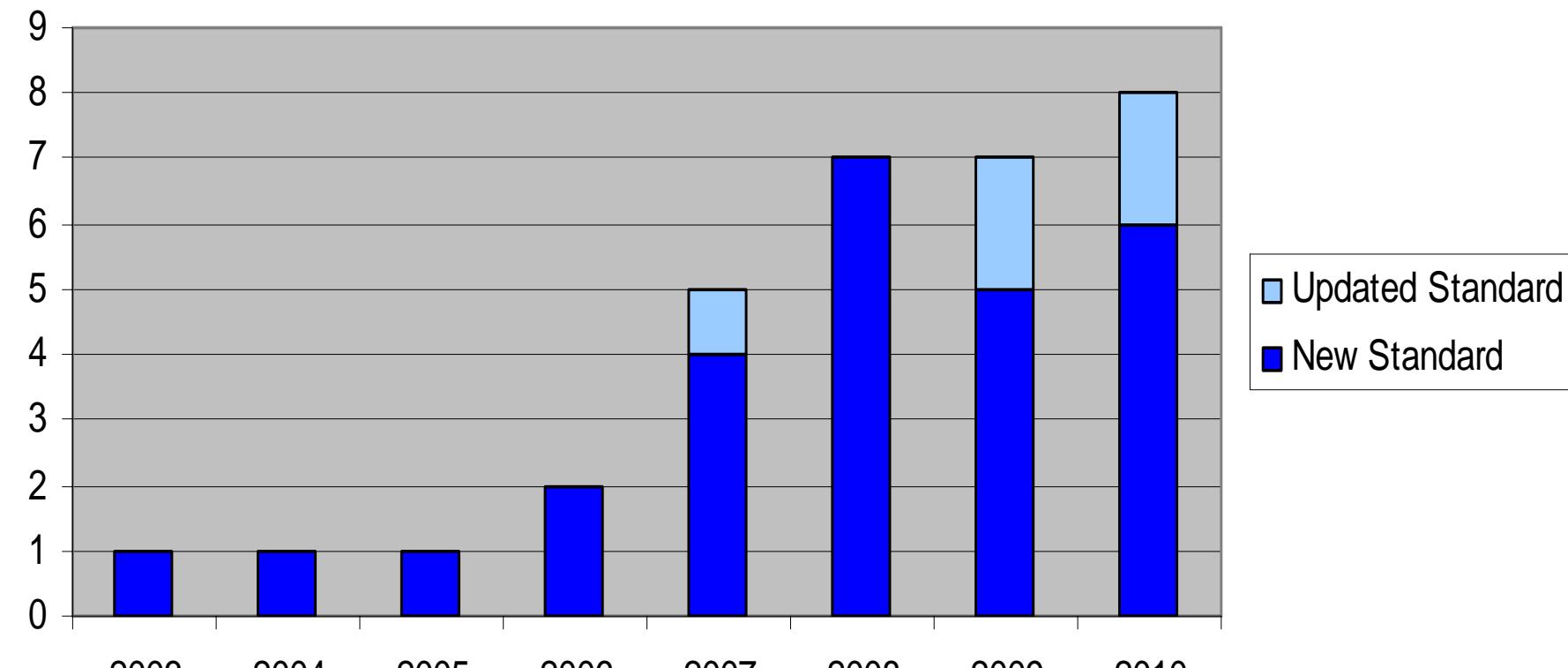
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IVOA Standards per year



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IVOA Standards issued per year



Changes in the Program



TCG

- Cancelled: KDD Thursday 9:00–10:30
- Added: Registry/DAL Joint Session Wednesday 14:00–15:30 Room 1+2
- Changed : Theory 3 -> Theory/DAL Joint Session Friday 16:00–17:30 Room 4