

State of the TCG

Banff
2014-10-10

*Séverin Gaudet
For the TCG*



Technical Coordination Group

- ▶ Assures technical coordination amongst WGs/IGs
- ▶ Liaison with IVOA Exec
- ▶ Specific role in Recommendation Process
- ▶ WG/IG chairs and vice-chairs:
 - ▶ 3-year terms
 - ▶ 1 year extension possible

	Chair	Vice-Chair
TCG	Séverin Gaudet	Matthew Graham
Working Groups		
Applications	Pierre Fernique	Tom Donaldson
Data Access Layer	François Bonnarel	Marco Molinaro
Data Model	Jesus Salgado	Omar Laurino
Grid and Web Services	André Schaaff	Brian Major
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Semantics	Norman Gray	Mireille Louys
Interest Groups		
Data Curation & Preservation	Françoise Genova	
Education	Massimo Ramella	Sudhanshu Barway
Knowledge Discovery in Databases	George Djorgovski	n/a
Theory	Franck Le Petit	Rick Wagner
Time Domain	John Swinbank	Mike Fitzpatrick
IVOA Committees		
Exec	David Schade	Christophe Arviset
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	



Technical Coordination Group

► New members

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► Terms ending in May 2015

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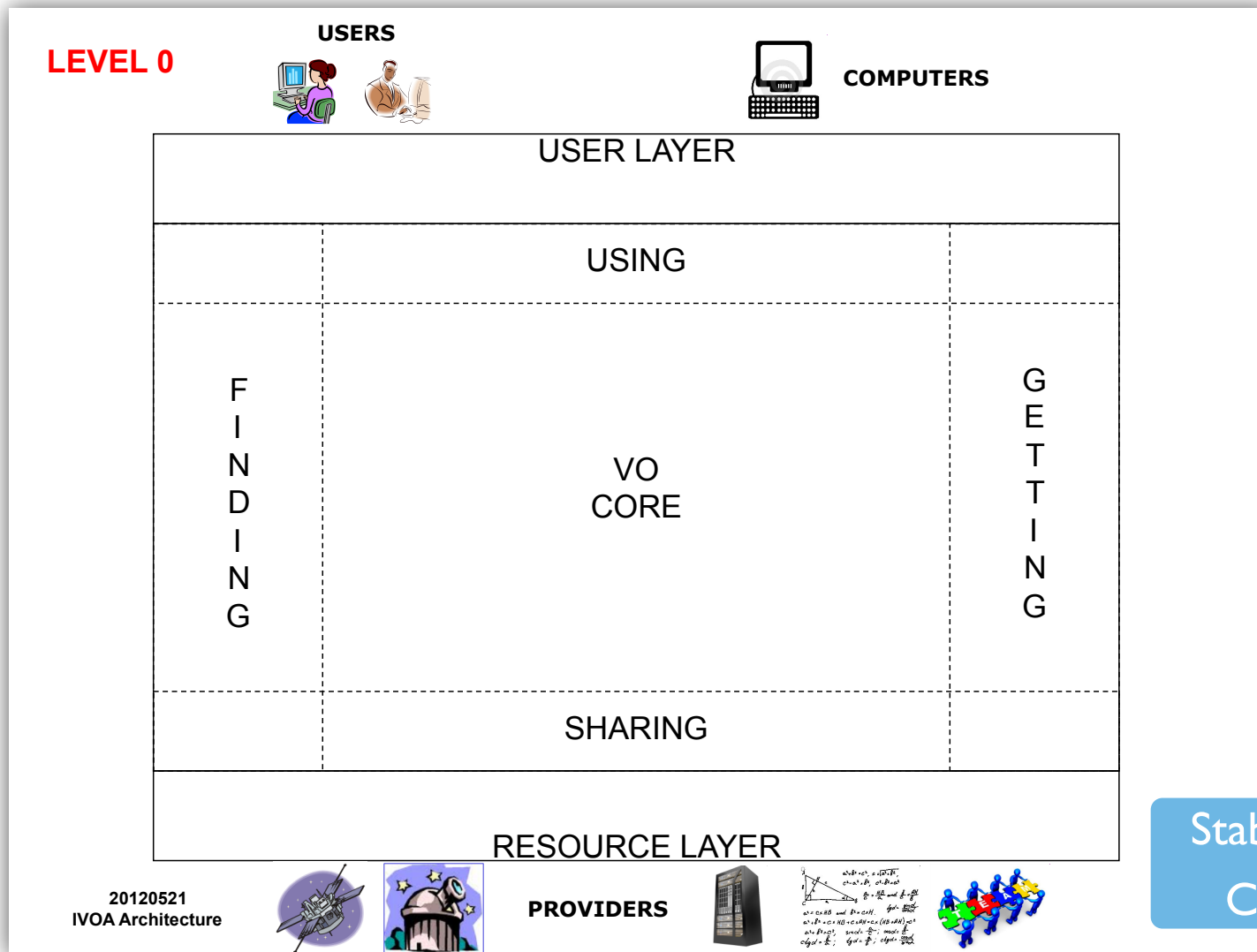


IVOA Architecture

- ▶ IVOA Architecture Note released on 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

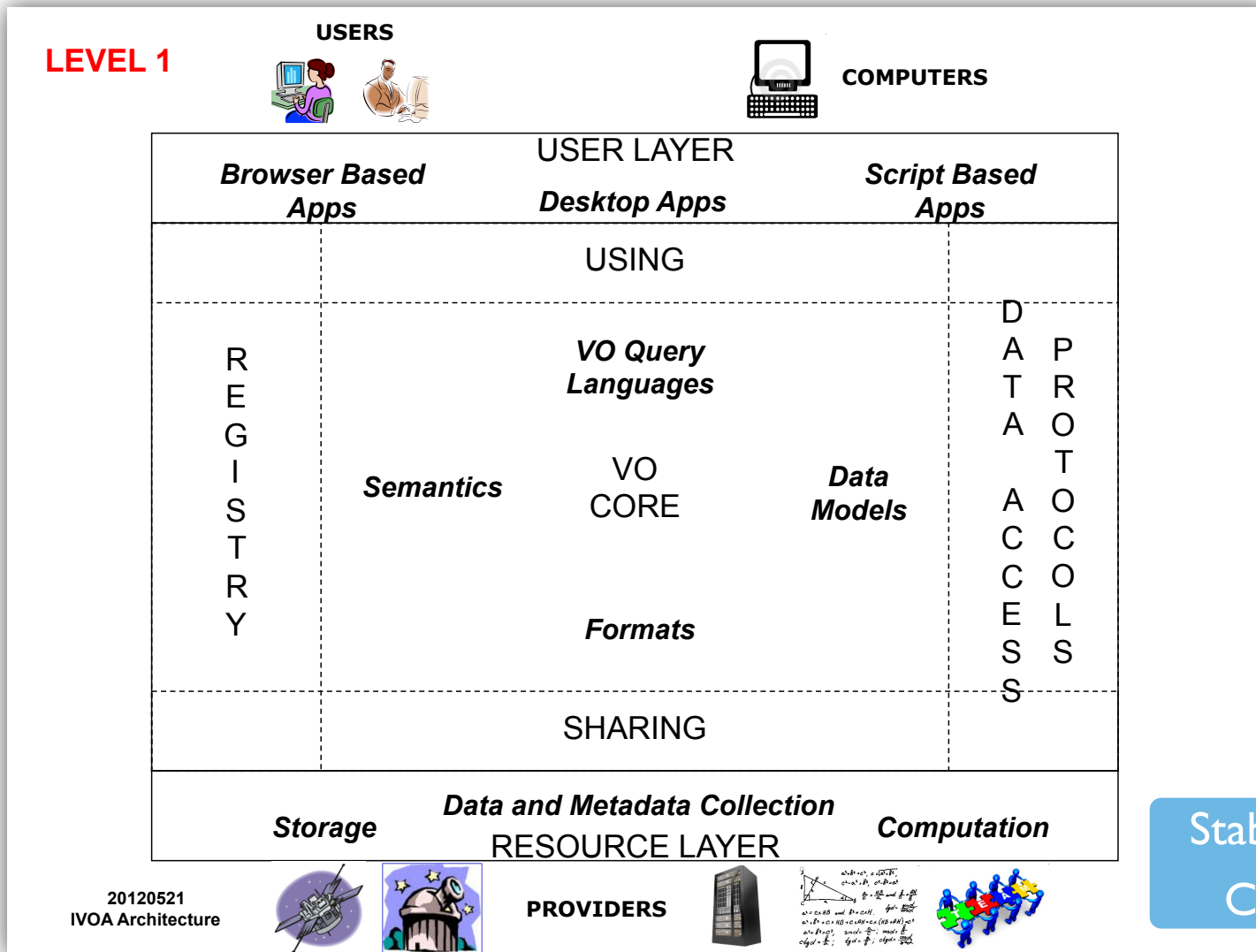


IVOA Architecture Level 0





IVOA Architecture Level I



Stable Since
Creation



IVOA Architecture Level 2

LEVEL 2
All standards

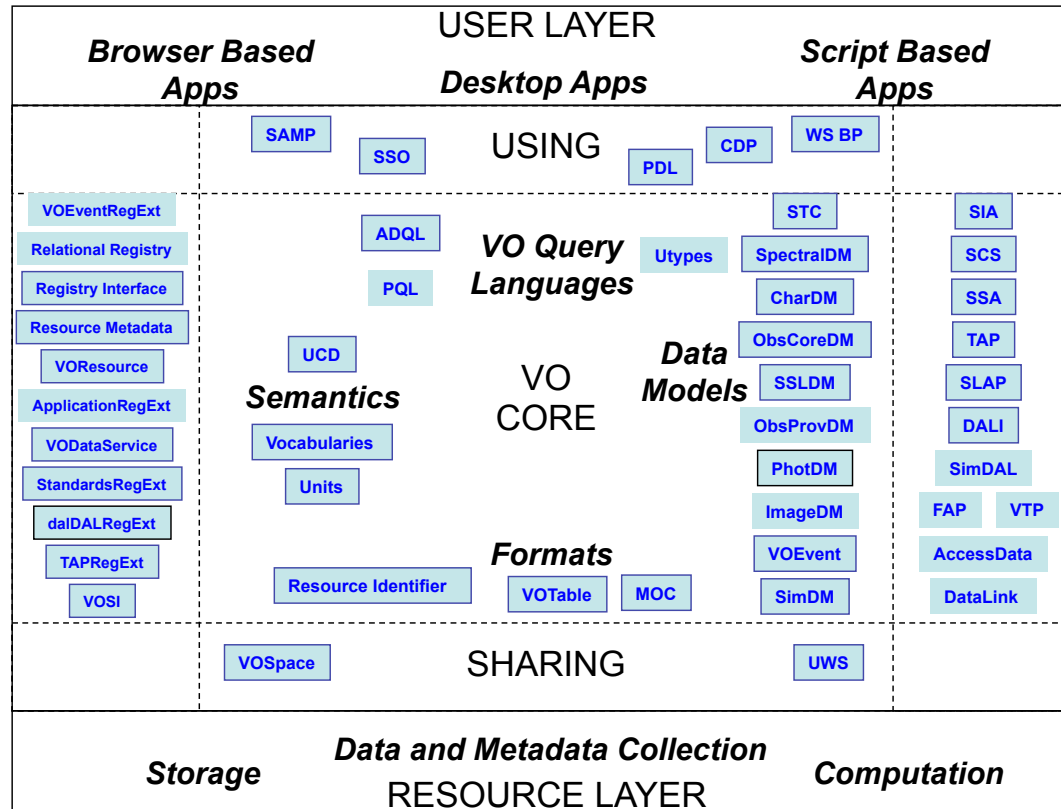


COMPUTERS

REC
InProgress

REGISTRY

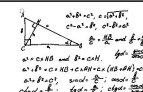
DATA PROTOCOLS



20140929
IVOA Architecture



PROVIDERS



Updated with
new standards



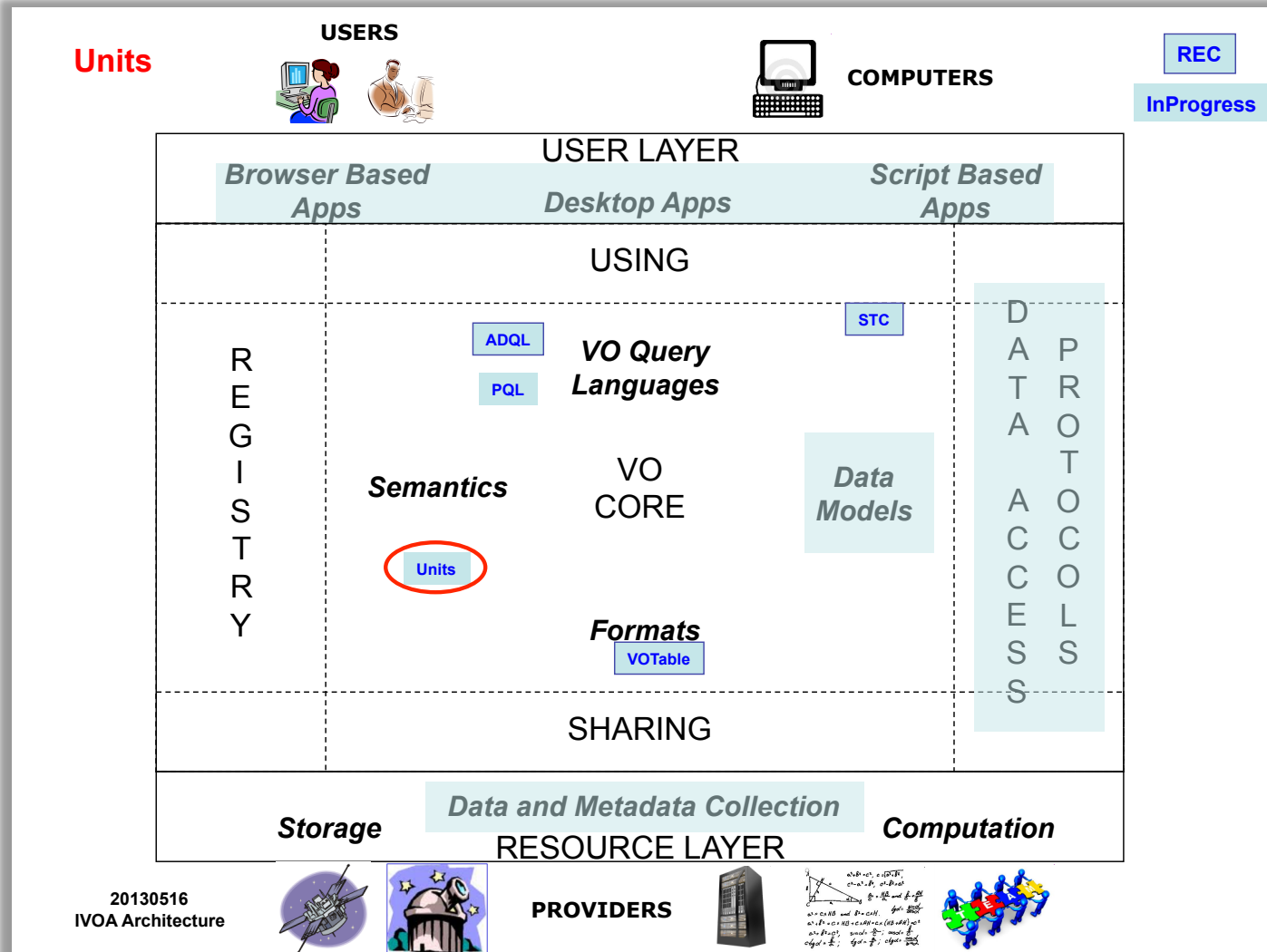
Standards approved at last InterOp

- ▶ **Semantics WG**
 - ▶ VOUnits 1.0
- ▶ **Applications WG:**
 - ▶ HEALPix Multi-Order Coverage Map (MOC) 1.0
- ▶ **Grid and Web Services WG:**
 - ▶ Parameter Description Language (PDL) 1.0



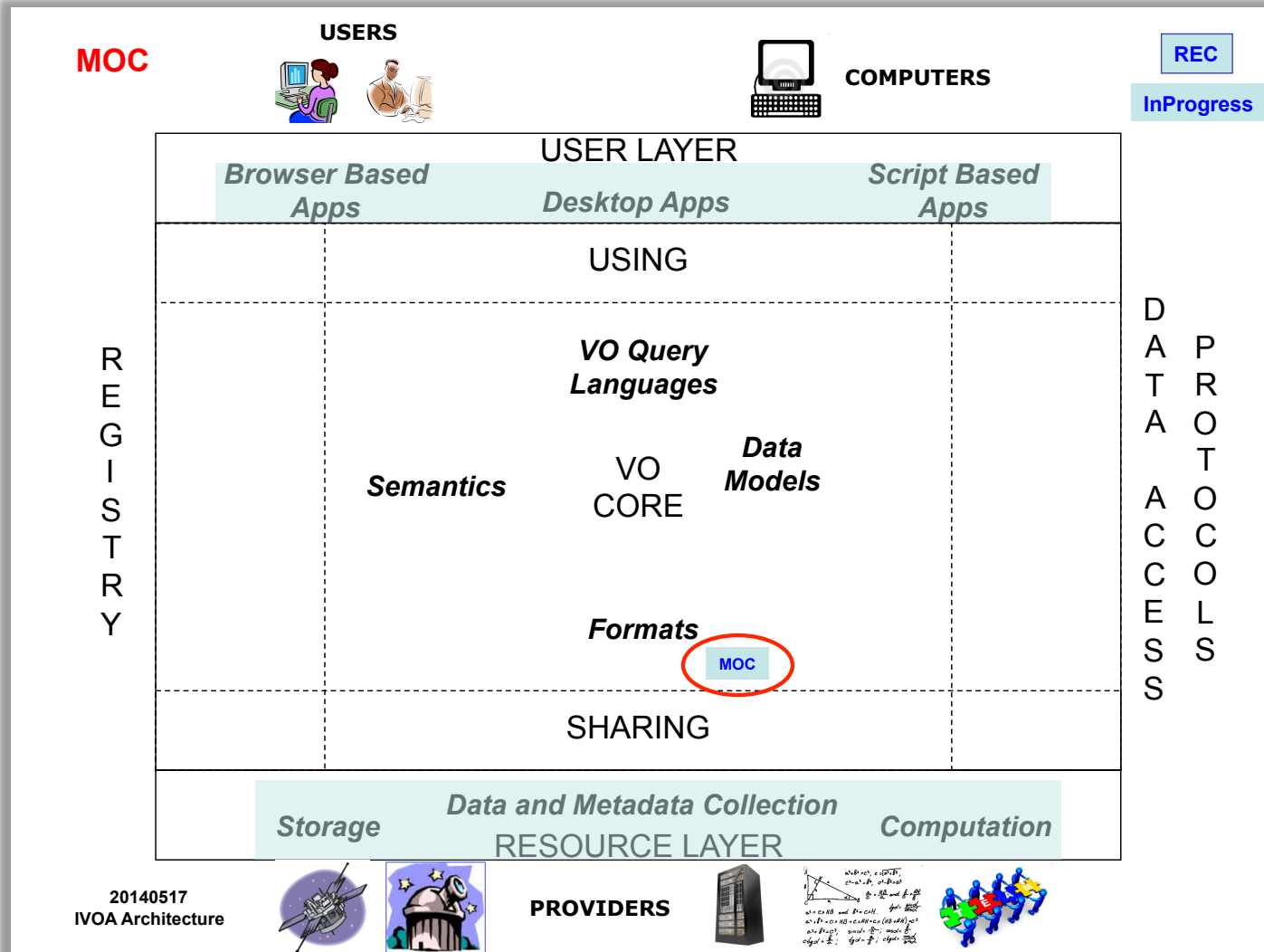


VOUnits 1.0



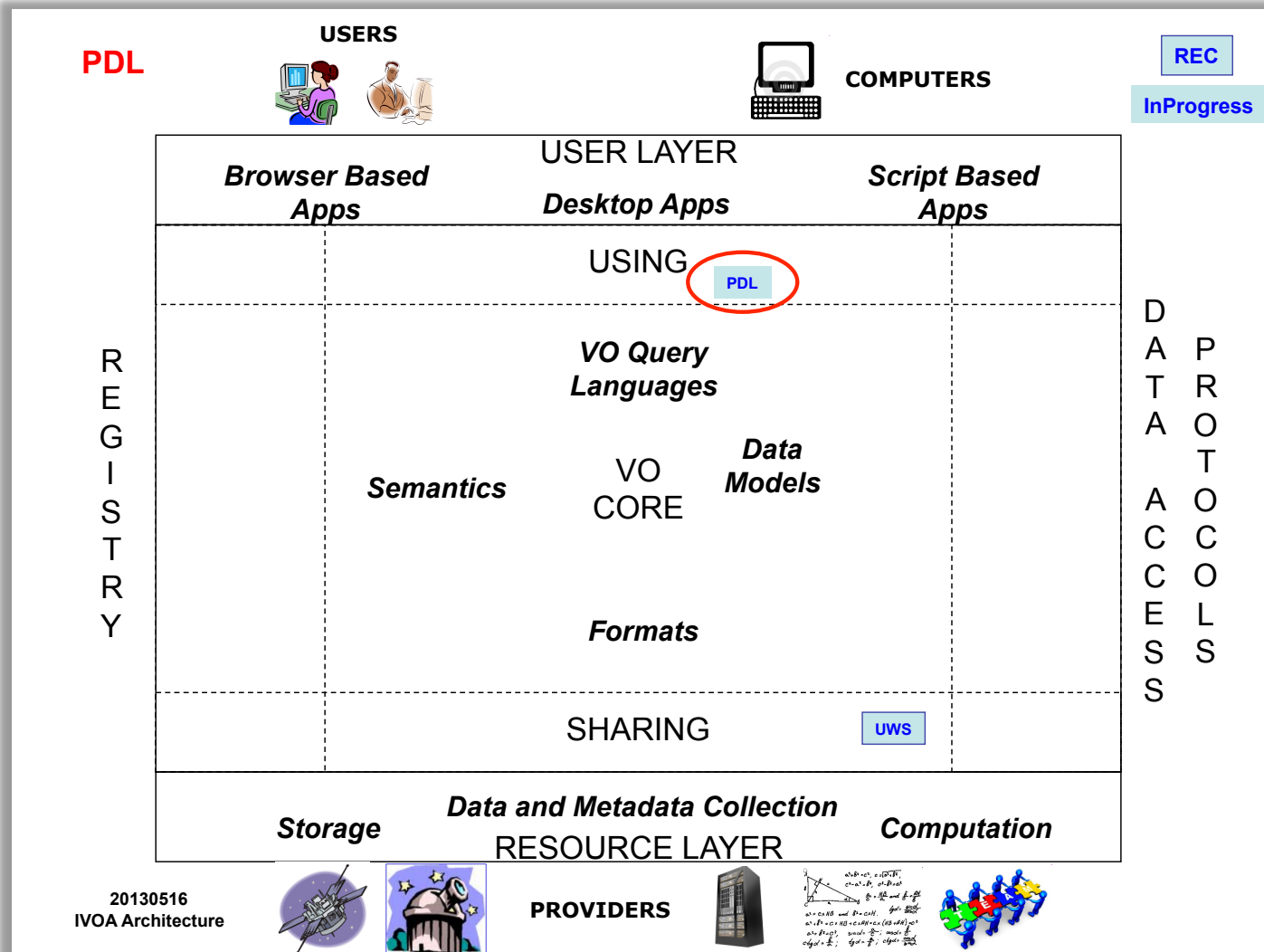


HEALPix Multi-Order Coverage Map (MOC) I.0





Parameter Description Language (PDL) 1.0

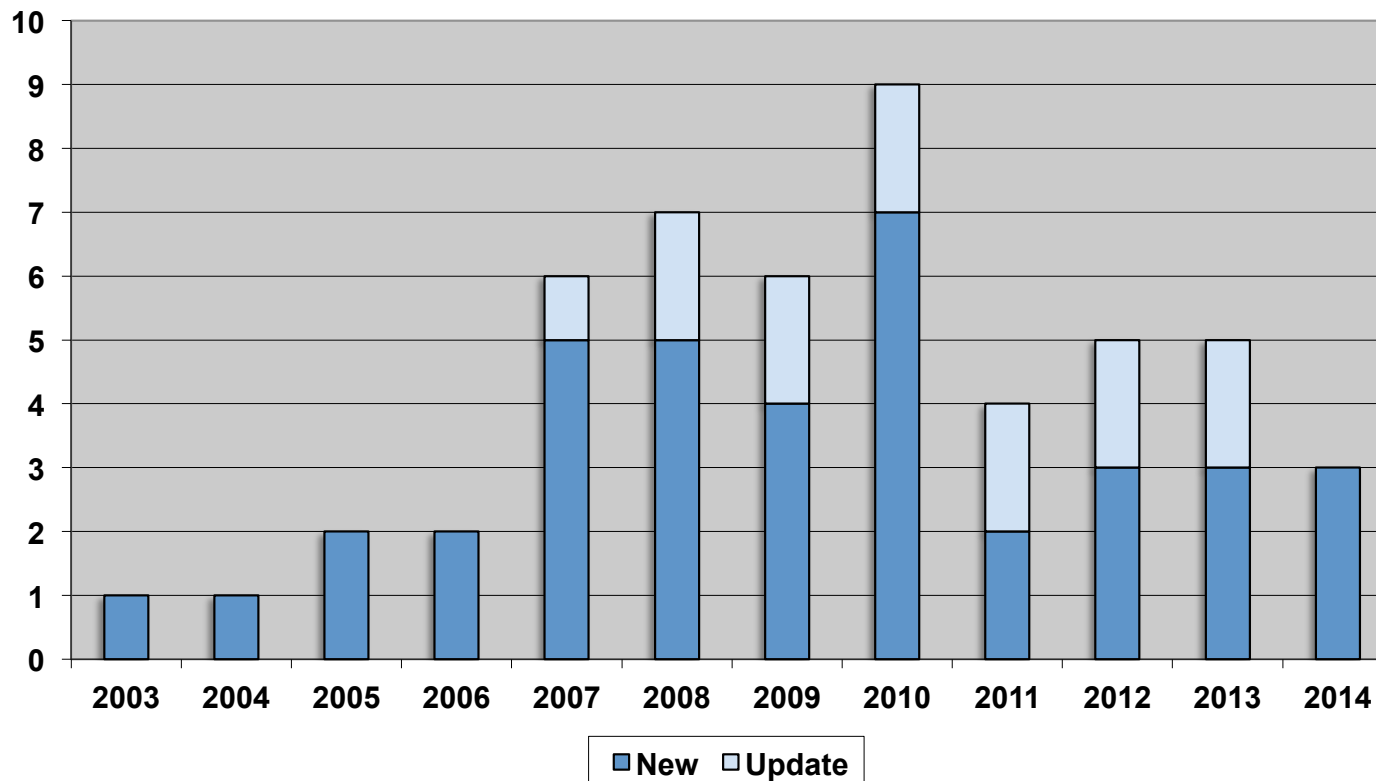




IVOA Standards per year

Revised with help from Françoise Genova and Christophe Arviset

IVOA Standards Recommended per Year





IVOA Standards – I

Date	WG/IG	Recommendation	Version	Replaces
Oct 2003	Standards & Processes	IVOA Document Standards	1.0	
Date	WG/IG	Recommendation	Version	Replaces
Aug 2004	VOTable	VOTable	1.10	
Date	WG/IG	Recommendation	Version	Replaces
Aug 2005	Semantics	Unified Content Descriptors	1.10	
Dec 2005	Semantics	UCD1+ Controlled Vocabulary	1.11	
Date	WG/IG	Recommendation	Version	Replaces
May 2006	Semantics	Maintenance of UCD Words	1.20	
Nov 2006	VOEvent	VOEvent	1.11	
Date	WG/IG	Recommendation	Version	Replaces
Mar 2007	Registry	IVOA Identifiers	1.12	
Apr 2007	Semantics	UCD1+ Controlled Vocabulary	1.23	1.11
Oct 2007	DM	STC	1.33	
Oct 2007	DM	SpectralDM	1.01	
Nov 2007	DM	CharDM	1.12	
Dec 2007	DAL	SSAP	1.03	

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



IVOA Standards – 2

Date	WG/IG	Recommendation	Version	Replaces
Jan 2008	GWS	SSO	1.03	
Jan 2008	GWS	VOSpace	1.02	
Feb 2008	Registry	VOResource	1.03	
Feb 2008	DAL	SCS	1.03	
Feb 2008	DAL	SSAP	1.04	1.03
Mar 2008	DM	CharDM	1.13	1.12
Oct 2008	VOQL	ADQL	2.0	
Date	WG/IG	Recommendation	Version	Replaces
Apr 2009	Apps	SAMP	1.11	
Oct 2009	Semantics	Vocabularies	1.19	
Oct 2009	GWS	VOSpace	1.15	1.02
Nov 2009	Registry	Registry Interface	1.0	
Nov 2009	DAL	SIAP	1.0	
Nov 2009	VOTABLE	VOTable	1.2	1.1

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



IVOA Standards – 3

Date	WG/IG	Recommendation	Version	Replaces
Feb 2010	GWS	CDP	1.0	
Mar 2010	DAL	TAP	1.0	
Apr 2010	Standards & Process	IVOA Document Standards	1.2	1.0
Oct 2010	GWS	UWS	1.0	
Dec 2010	Registry	VODataService 1.1	1.1	
Dec 2010	DM	SSLDM	1.0	
Dec 2010	DAL	SLAP	1.0	
Dec 2010	GWS	WS BP	1.0	
Dec 2010	Apps	SAMP	1.2	1.11
Date	WG/IG	Recommendation	Version	Replaces
May 2011	GWS	VOSI	1.0	
Jul 2011	VOEvent	VOEvent	2.0	1.11
Oct 2011	DM	ObsCoreDM	1.0	
Nov 2011	DM	SpectrumDM	1.1	1.01

More details can be found on the IVOA Document pages at:
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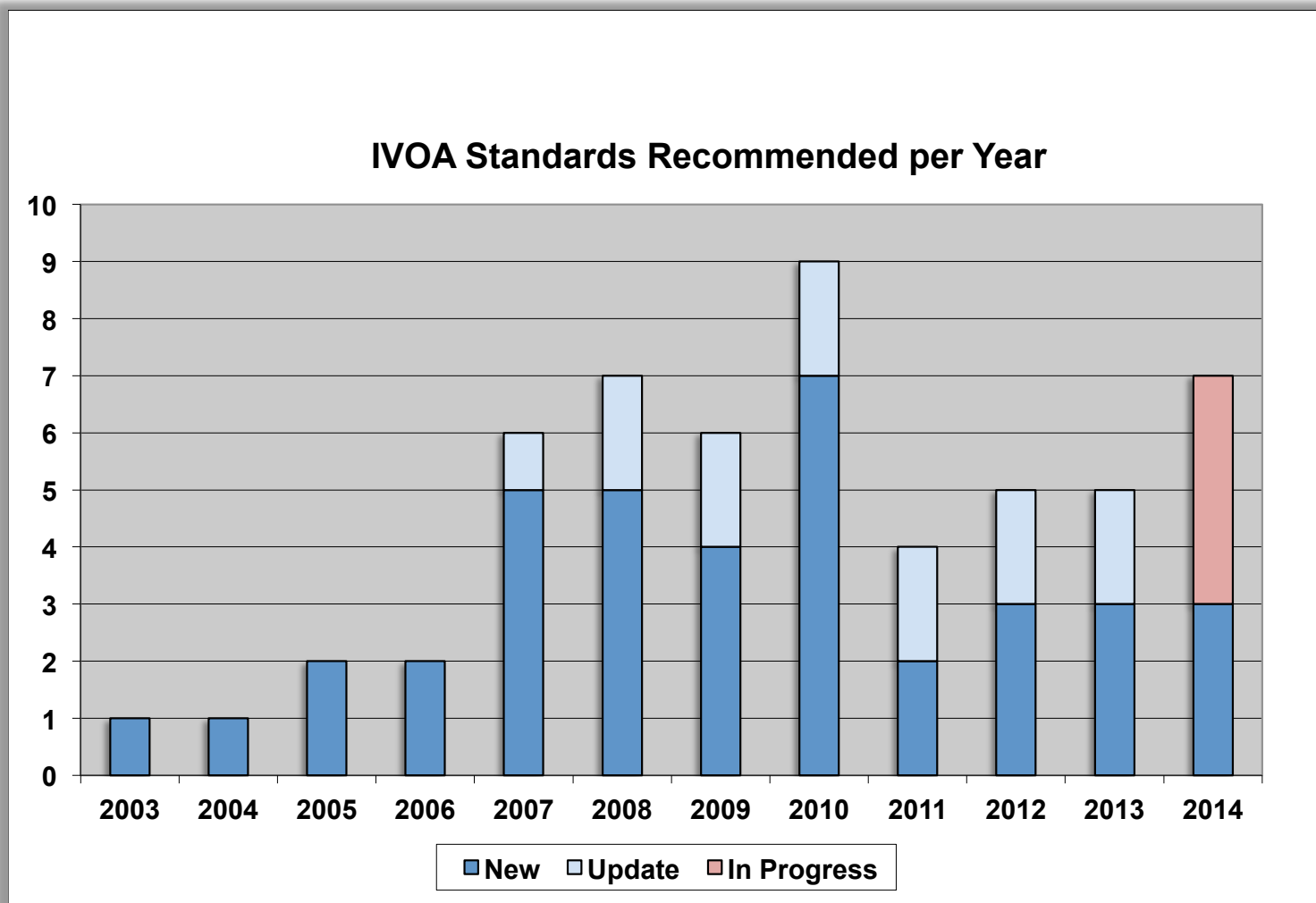
IVOA Standards – 4

Date	WG/IG	Recommendation	Version	Replaces
Feb 2012	DAL	SSAP	1.1	1.04
Apr 2012	Apps	SAMP	1.3	1.2
May 2012	Registry	StandardRegExt	1.0	
May 2012	Theory / DM	SimDM	1.0	
Aug 2012	DAL	TAPRegExt	1.0	
Date	WG/IG	Recommendation	Version	Replaces
Mar 2013	GWS	VOSpace	2.0	1.15
Sep 2013	Apps	VOTable	1.3	1.2
Nov 2013	Reg	SimpleDALRegExt	1.0	
Sep 2013	DM	PhotDM	1.0	
Nov 2013	DAL	DALI	1.0	
Date	WG/IG	Recommendation	Version	Replaces
May 2014	Semantics	VOUnits	1.0	
May 2014	GWS	PDL	1.0	
May 2014	Apps	MOC	1.0	

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IVOA Standards per year





PR's in the Rec Process

- ▶ In TCG review
 - ▶ Relational Registry (RegTAP) 1.0
 - ▶ Spectral Data Model 2.0
 - ▶ Datalink 1.0
- ▶ In RFC
 - ▶ Simple Image Access (SIA) 2.0

IVOA Document Standards Process





Exec Endorsed Priorities

- ▶ **Multi-dimensional data:**
 - ▶ **SIA v2.0:**
 - ▶ ObsCore 1.0: Recommendation
 - ▶ Datalink 1.0: In TCG review
 - ▶ SIA 2.0: In RFC review
 - ▶ AccessData 1.0: In WG
 - ▶ **SIA v2.1:**
 - ▶ Obscore 1.1: In WG
 - ▶ ImageDM 1.0: In WG
 - ▶ SIAv2.1: to follow ImageDM and/or ObsCore
- ▶ **IVOA software repository**
 - ▶ Discussed during last InterOp
 - ▶ Reported in closing plenary



TCG Topics

▶ Endorsed Notes

- ▶ Important information such as implementation notes and errata that should be reviewed but without the significant review process of a standard
- ▶ Led by the Standards and Processes Committee
- ▶ A first draft has been circulated to the TCG
- ▶ Reference implementations: SimpleTimeSeries Note and TAPRegExt Erratum

▶ IVOA Document Formats

- ▶ Proposal to allow the use of a TeX template (ivoatex)
- ▶ In IVOA Document Standards v1.2, section 1.3 Format:

The standard format for IVOA documents is PDF, though any document preparation tools may be used that allow for the publication of PDF and that retain the standard formatting elements and style.

*Document templates are provided for MSWord and HTML at <http://www.ivoa.net/Documents/templates/>
The document source in its original format should also be submitted and retained in the IVOA document collection.*

- ▶ To be discussed by the Standards and Processes Committee



Review Process - I

- ▶ Working Drafts
 - ▶ WG/IG agreement
 - ▶ Leading to a Proposed Recommendation (PR)

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IVOA Document Standards Process





Review Process - 2

- ▶ **Proposed Recommendation**
 - ▶ **Request for Comment (RFC)**
 - ▶ IVOA-wide invitation to review
 - ▶ Review early!!!
 - ▶ TCG members should review
 - ▶ **TCG review and approval**
 - ▶ Integration verification
 - ▶ **Exec review and approval**
- ▶ **WG chairs**
 - ▶ Manage the process
 - ▶ Discretion on accepting late comments

IVOA Document Standards Process





Publishing Data in the VO

- ▶ All InterOp participants are invited to provide input
- ▶ TCG to maintain and review

TWiki > IVOA Web > PublishingInTheVONew (2013-05-12, MarkTaylor) Edit Attach

Publishing Data into the VO

- ▶ [Publishing Data into the VO](#)
 - ▶ [0. Introduction](#)
 - ▶ [1. Questions & Answers about what type of data to be published into the VO](#)
 - ▶ [2. Registry for VO Data Service Discovery](#)
 - ▶ [3. Toolkits to publish data into the VO](#)
 - ▶ [4. Developer's corner : other useful software tools and libraries for VO development](#)

0. Introduction

The purpose of this page is to provide practical information about how to publish you data holdings into the VO. The content of this page is user contributed by members of the IVOA community and its content will evolve as IVOA standards and implementations evolve.

Depending of your needs and your technical experience, there are several ways to publish you data into the VO:

- if you have very little technical expertise, you might want to contact your national VO projects who might already have the infrastructure to host your data and make it available to the VO. See the [list of national VO projects](#) and the [selection of open data centers](#) offering publication as a service.

<http://wiki.ivoa.net/twiki/bin/view/IVOA/PublishingInTheVONew>



IVOA Roadmap

- ▶ Roadmap page to be updated by WG/IG chairs after each InterOp.
- ▶ One page per IVOA “semester” – A and B
- ▶ Links to the Roadmap on website footer

TWiki > IVOA Web > IvoaTCG > 2014BRoadmap (2014-10-09, SeverinGaudet) Edit Attach

IVOA Roadmap for 2014B

This outlines the roadmap for development activities by the various IVOA working and interest groups in 2014 between the Banff and Sesto Interops.

- ↓ [IVOA Roadmap for 2014B](#)
 - ↓ [Applications](#)
 - ↓ [Data Access Layer](#)
 - ↓ [Data Model](#)
 - ↓ [Grid and Web Services](#)
 - ↓ [Registry](#)
 - ↓ [Semantics](#)
 - ↓ [Data Curation & Preservation](#)
 - ↓ [Knowledge Discovery in Databases](#)
 - ↓ [Theory](#)
 - ↓ [Education](#)
 - ↓ [Time Domain](#)
 - ↓ [Standard and Processes](#)
 - ↓ [Science Priorities](#)

<http://www.ivoa.net>



This InterOp

- ▶ 2nd meeting
 - ▶ Contiguous with ADASS
 - ▶ Technically focused
- ▶ Questions:
 - ▶ Is this format productive?
 - ▶ Does the timing (before or after) matter?
- ▶ I wish all a productive three days!

