

State of the TCG

Sydney
2015-10-30

Matthew Graham and Pat Dowler



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	Matthew Graham	Pat Dowler
Working Groups		
Applications	Pierre Fernique	Tom Donaldson
Data Access Layer	François Bonnarel	Marco Molinaro
Data Model	Mark Cresitello-Dittmar	Laurent Michel
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Semantics	Mireille Louys	Alberto Accomazzi
Interest Groups		
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Education	Massimo Ramella	Sudhanshu Barway
Knowledge Discovery in Databases	George Djorgovski	n/a
Operations	Tom McGlynn	Mark Taylor
Theory	Franck Le Petit	Carlos Rodrigo
Time Domain	John Swinbank	Mike Fitzpatrick
IVOA Committees		
Exec	Christophe Ariset	Enrique Solano
Standard and Processes	Francoise Genova	n/a
Science Priorities	Mark Allen	n/a



Group

► New leadership

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► Terms ending this InterOp

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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



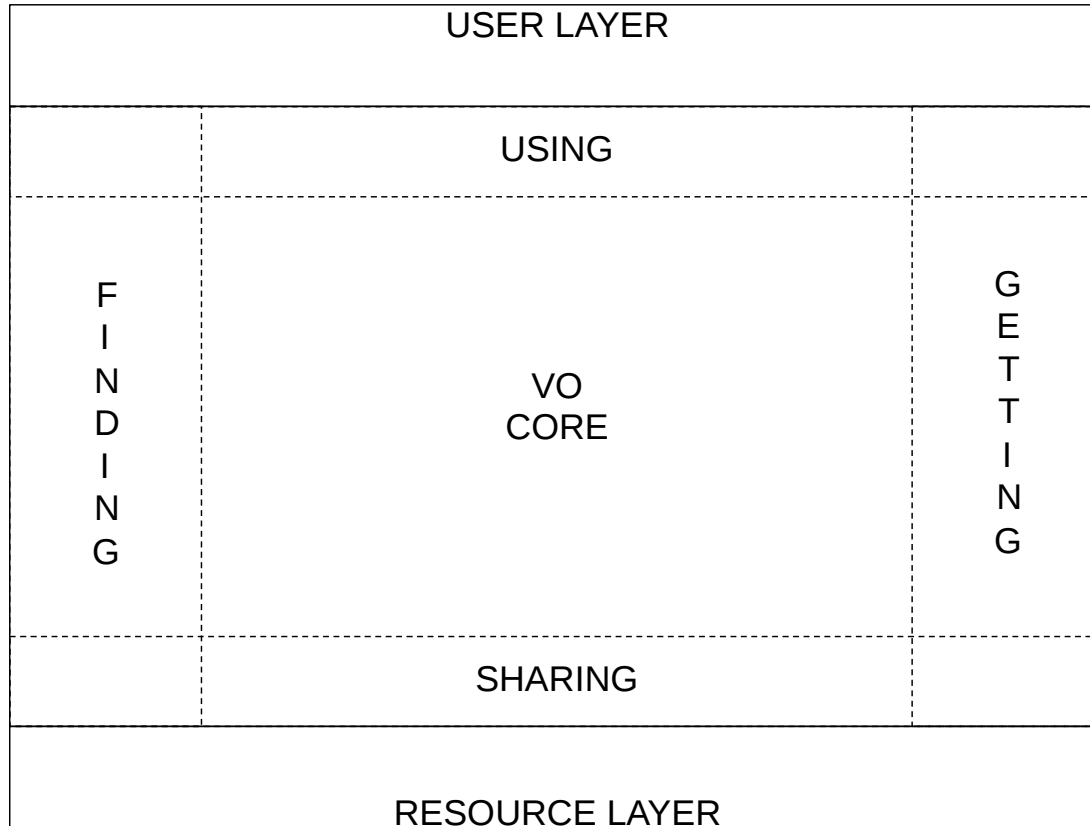
IVOA Architecture Level 0

LEVEL 0

USERS



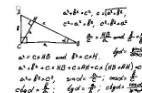
COMPUTERS



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IVOA Architecture



PROVIDERS



Stable Since
Creation



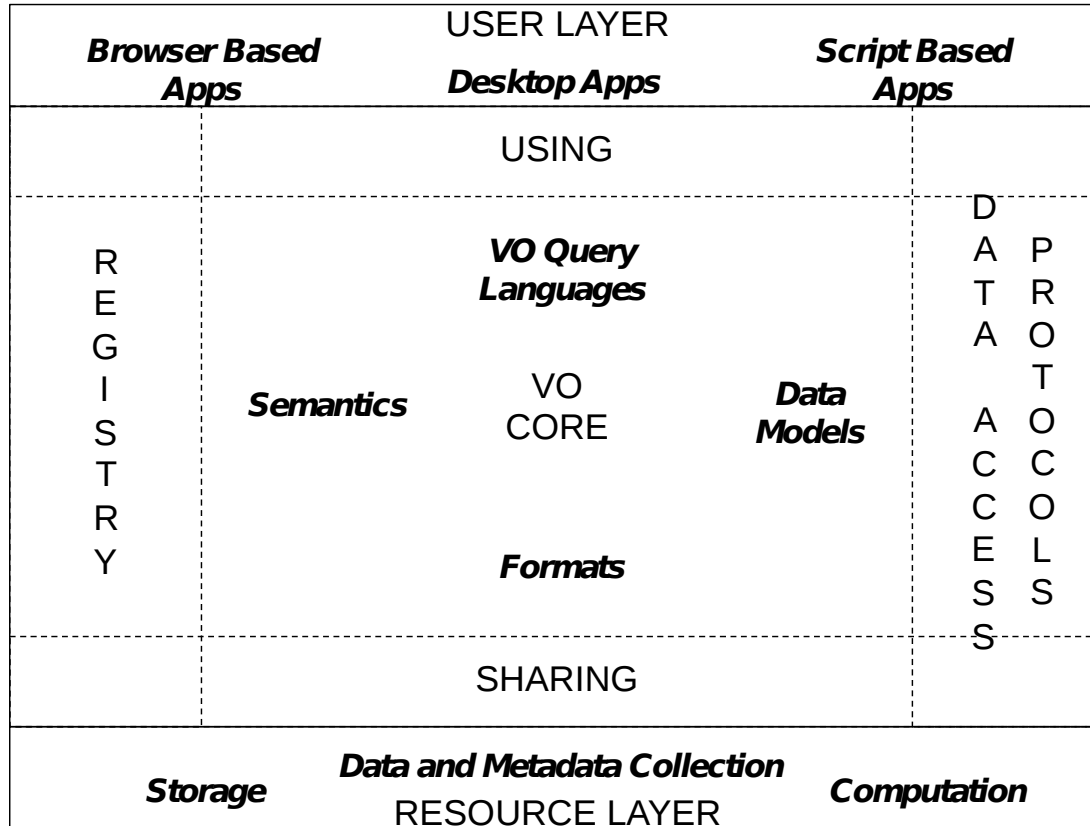
IVOA Architecture Level 1

LEVEL 1

USERS



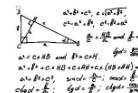
COMPUTERS



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IVOA Architecture



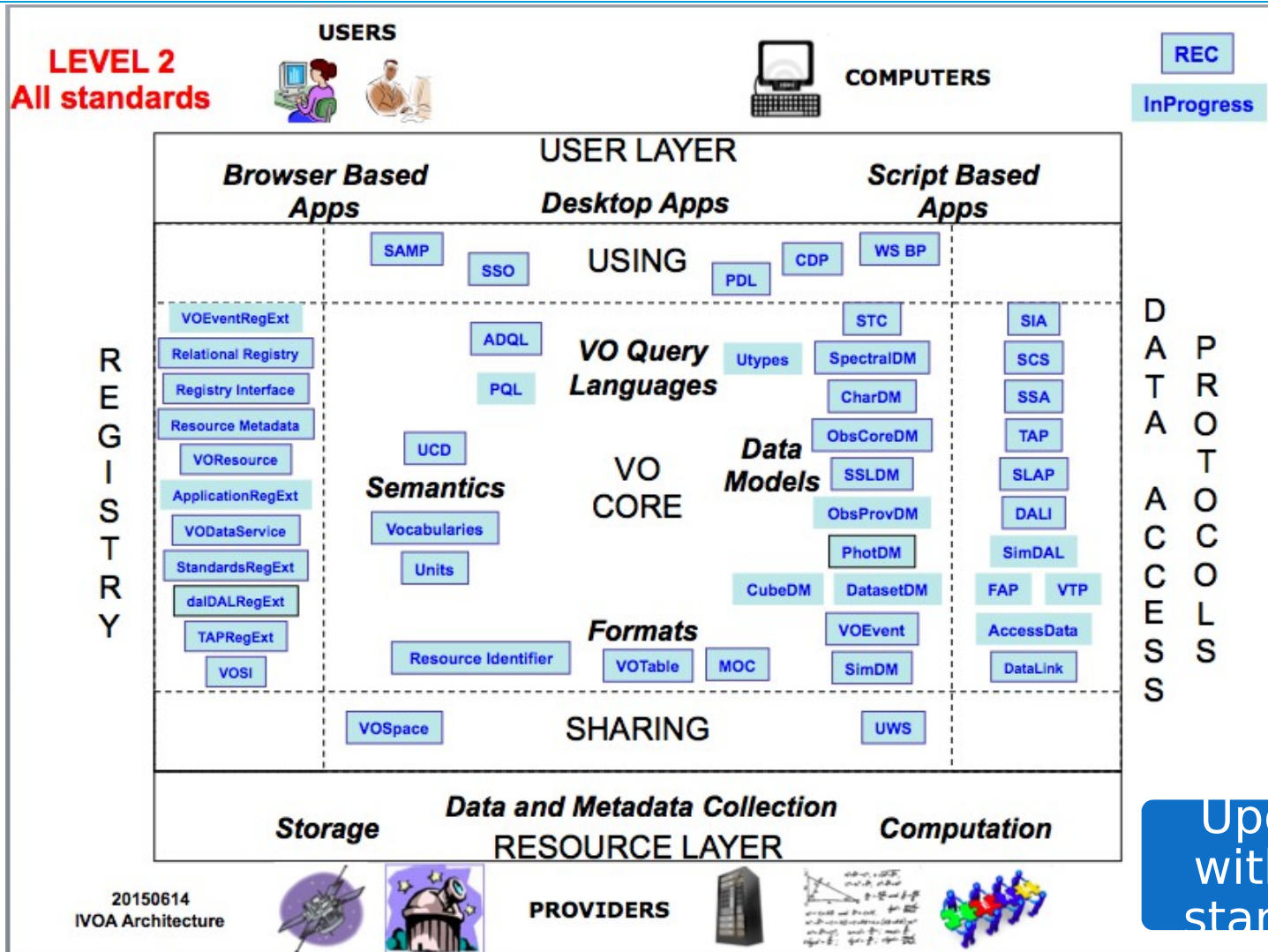
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Stable Since
Creation



IVOA Architecture Level 2



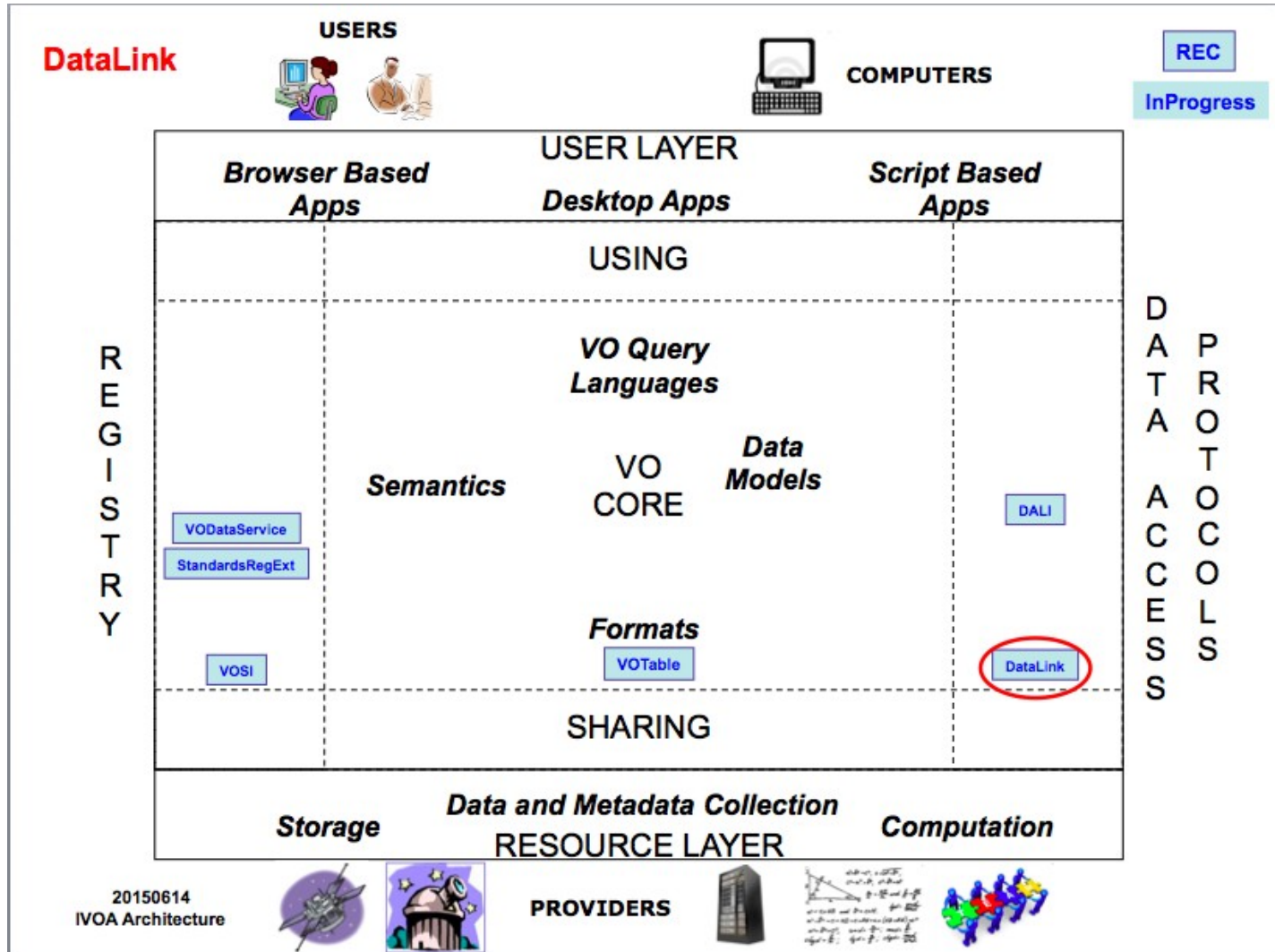


- ▶ Data Access Layer WG
 - ▶ DataLink 1.0





DataLink 1.0





IVOA Standards - 1

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 Documents 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	WSBP	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

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IVOA Standards - 4

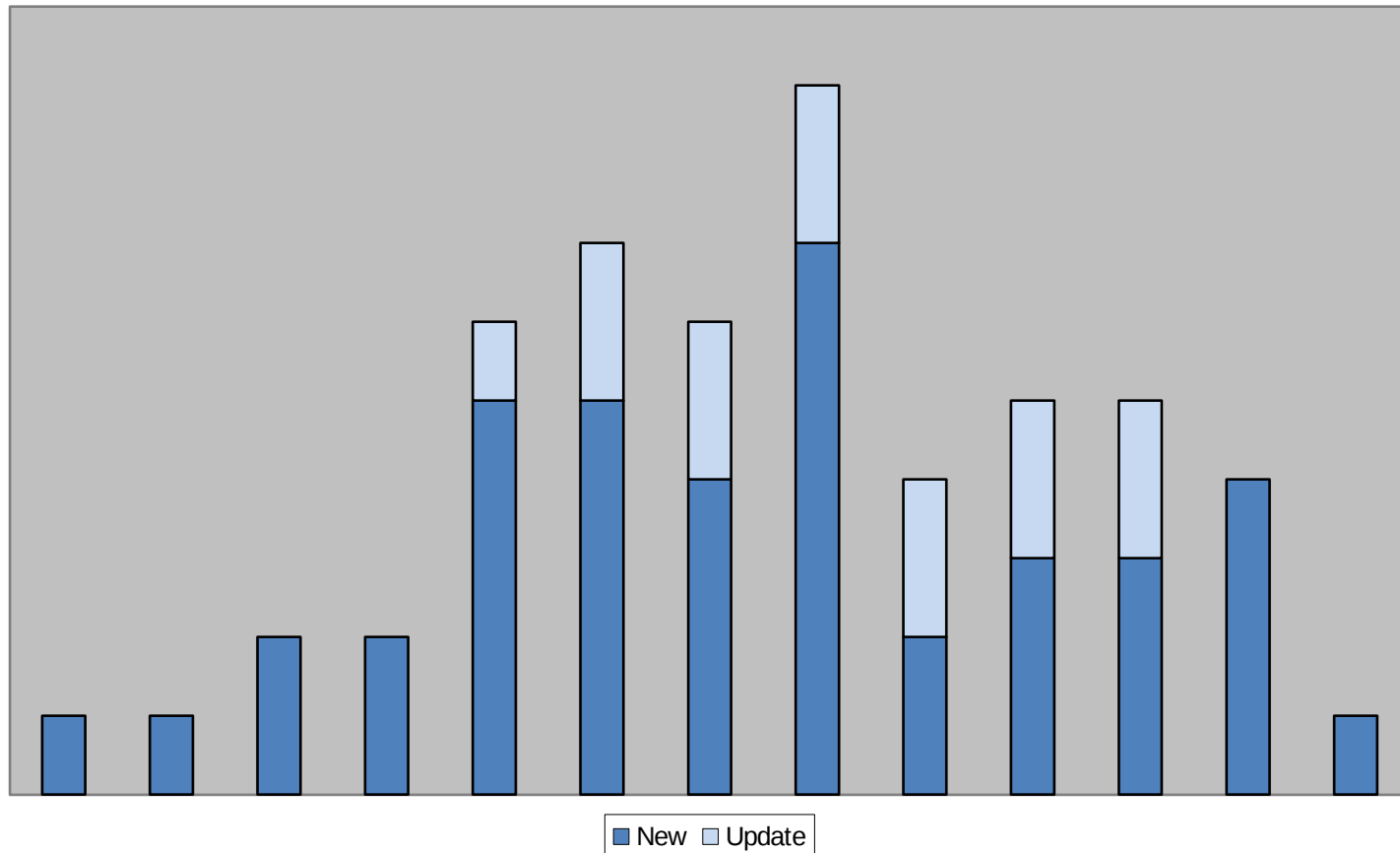
Date	WG/IG	Recommendation	Version	Replaces
Feb 2012	DAL	SSAP	1.1	1.04
Apr 2012	Apps	SAMP	1.3	1.2
May 2012	Registry	StandardRegExt	1.0	
May 2012	Theory/DM	SimDM	1.0	
Aug 2012	DAL	TAPRegExt	1.0	
Date	WG/IG	Recommendation	Version	Replaces
Mar 2013	GWS	VOspace	2.0	1.15
Sep 2013	Apps	VOTable	1.3	1.2
Nov 2013	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	
Nov 2014	Registry	RegTAP	1.0	

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

IVOA Standards Recommended per Year





Exec Endorsed Priorities

▶ Multi-dimensional data:

▶ SIA v2.0:

- ▶ ObsCore 1.0: Recommendation
- ▶ Datalink 1.0: Recommendation
- ▶ SIA 2.0: In TCG review
- ▶ AccessData 1.0: In WG

▶ SIA v2.1:

- ▶ Obscore 1.1: In WD
- ▶ ImageDM 1.0: Refactored into DatasetDM and CubeDM, both in WD.
- ▶ SIAv2.1: to follow ImageDM and/or ObsCore



Review Process - 1

▶ 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





PR's in the Rec Process

- ▶ In Exec review
- ▶ In post-TCG review
 - ▶ Simple Image Access (SIA) 2.0
- ▶ In TCG review
 - ▶ Universal Worker Service (UWS) 1.1
 - ▶ Registry Identifiers 2.0
- ▶ Finished RFC
 - ▶ Spectral Data Model 2.0

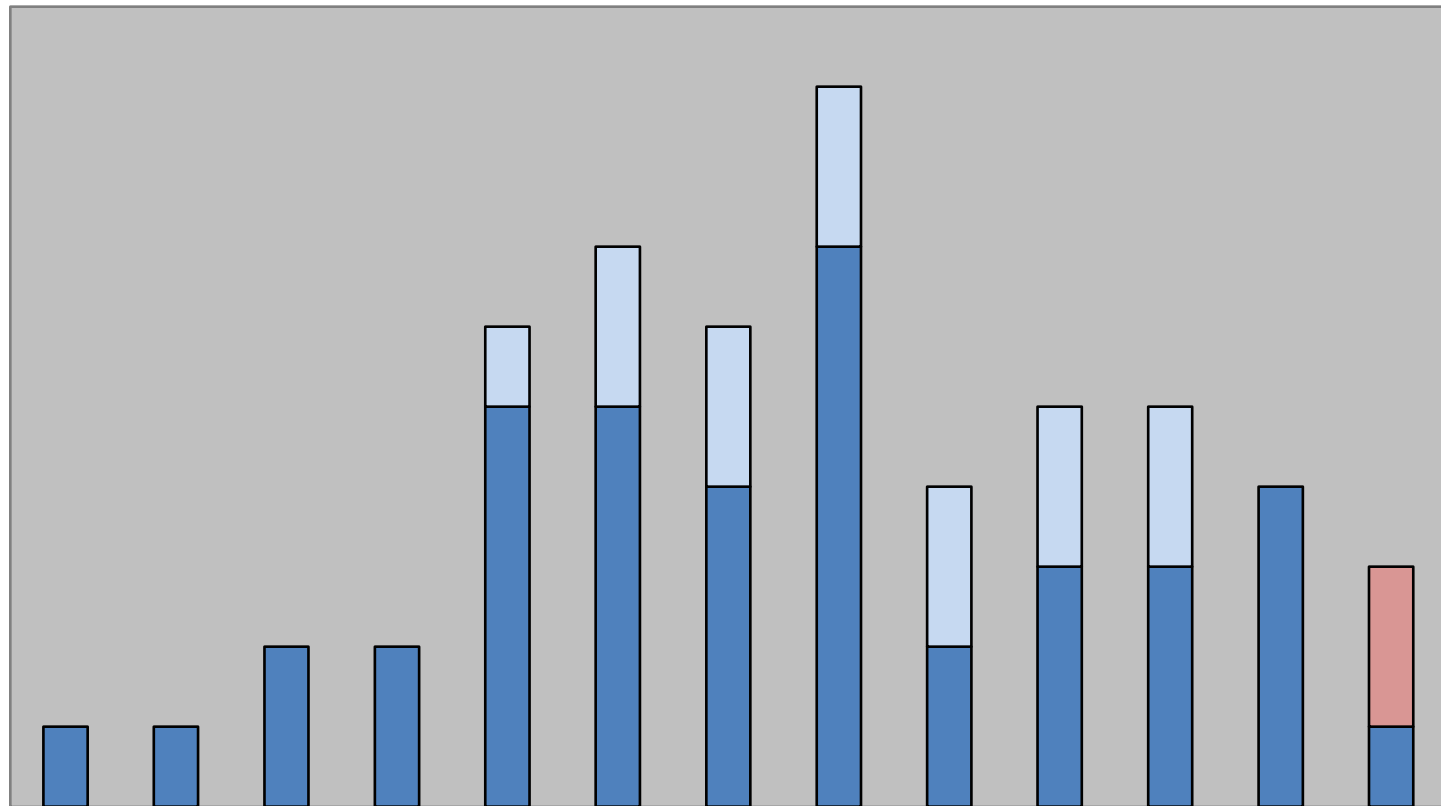
IVOA Document Standards Process





IVOA Standards per year

IVOA Standards Recommended per Year





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 your 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 your 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 > 2015BRoadmap (2015-10-27, MatthewGraham) Edit Attach

IVOA Roadmap for 2015B

This outlines the roadmap for development activities by the various IVOA working and interest groups in 2015/16 between the Sydney and Cape Town Interops.

- ↓ [IVOA Roadmap for 2015B](#)
- ↓ [Applications](#)
- ↓ [Data Access Layer](#)
- ↓ [Data Model](#)
- ↓ [Grid and Web Services](#)
- ↓ [Registry](#)
- ↓ [Semantics](#)
- ↓ [Data Curation & Preservation](#)
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- ↓ [Standard and Processes](#)
- ↓ [Science Priorities](#)

<http://www.ivoa.net>



This InterOp

- ▶ I wish all a productive weekend!

