



State of the TCG

ESAC
2014-05-19

*Séverin Gaudet
For the TCG*



Technical Coordination Group

- ▶ 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	François Bonnarel
Data Model	Jesus Salgado	Omar Laurino
Grid and Web Services	André Schaaff	Andreas Wicenec
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	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

- ▶ WG/IG chairs and vice-chairs:
 - ▶ 3-year terms
 - ▶ 1 year extension possible

- ▶ Many expiring terms before Exec this week

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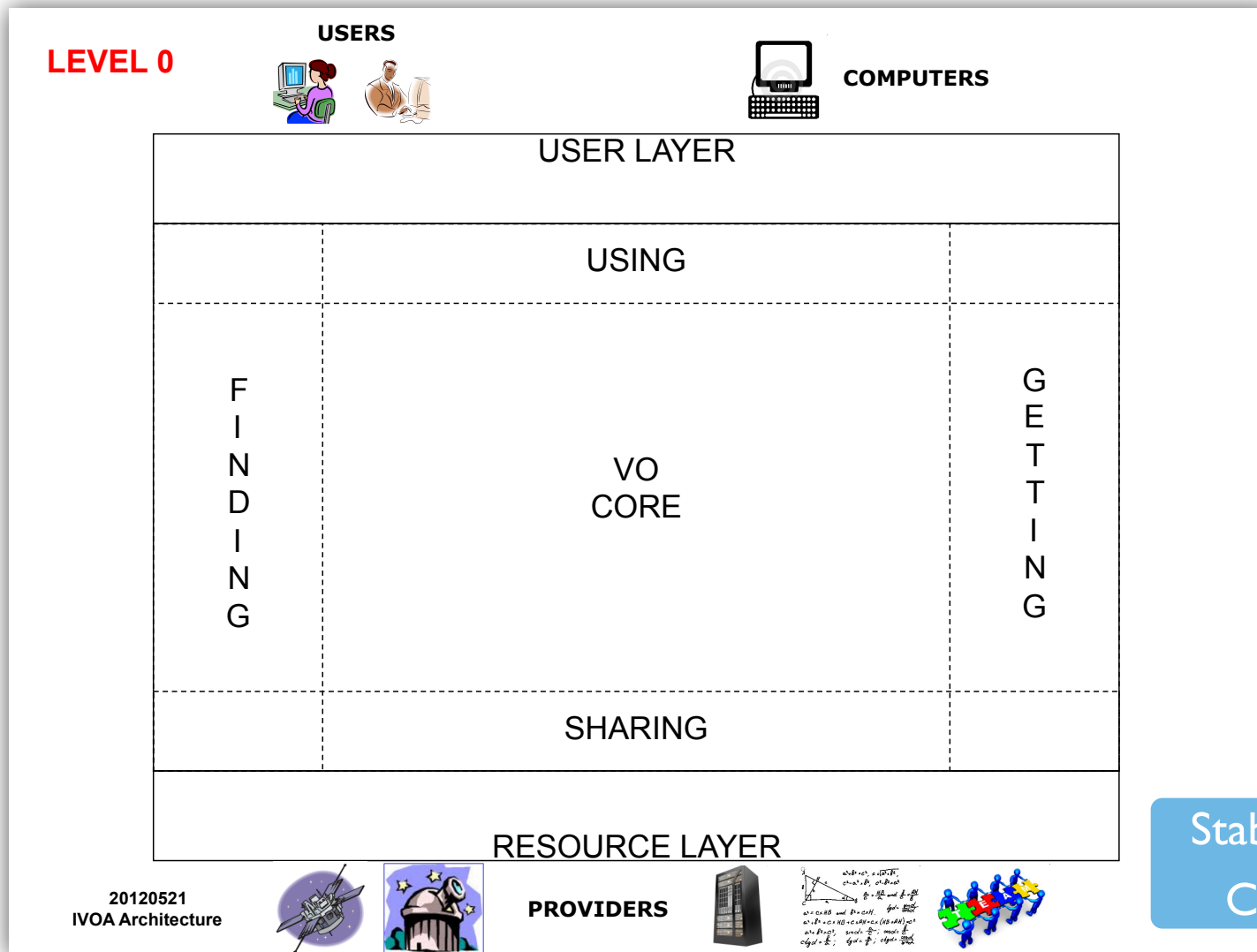


IVOA Architecture

- ▶ 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

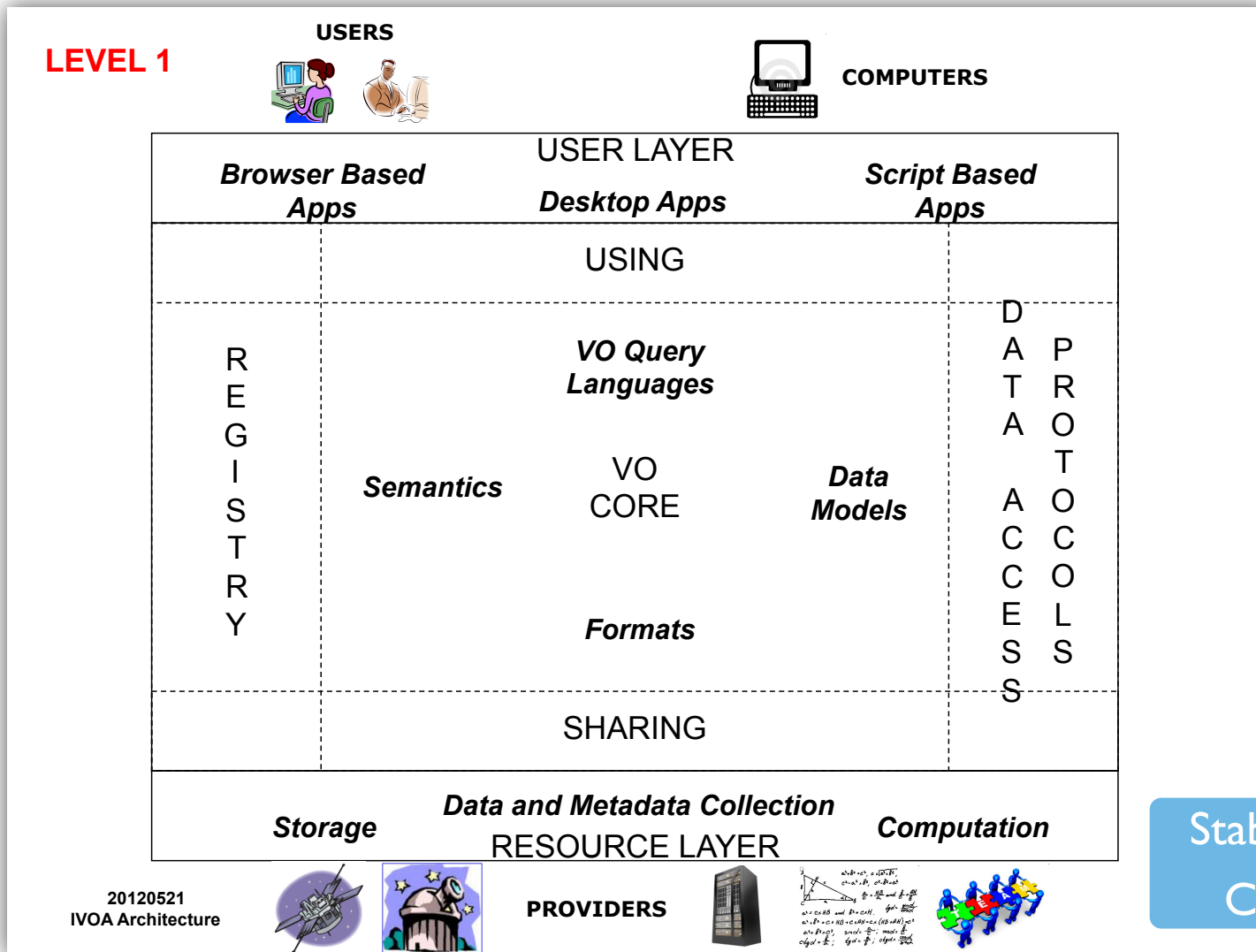


IVOA Architecture Level 0





IVOA Architecture Level I



Stable Since
Creation



IVOA Architecture Level 2

LEVEL 2
All standards



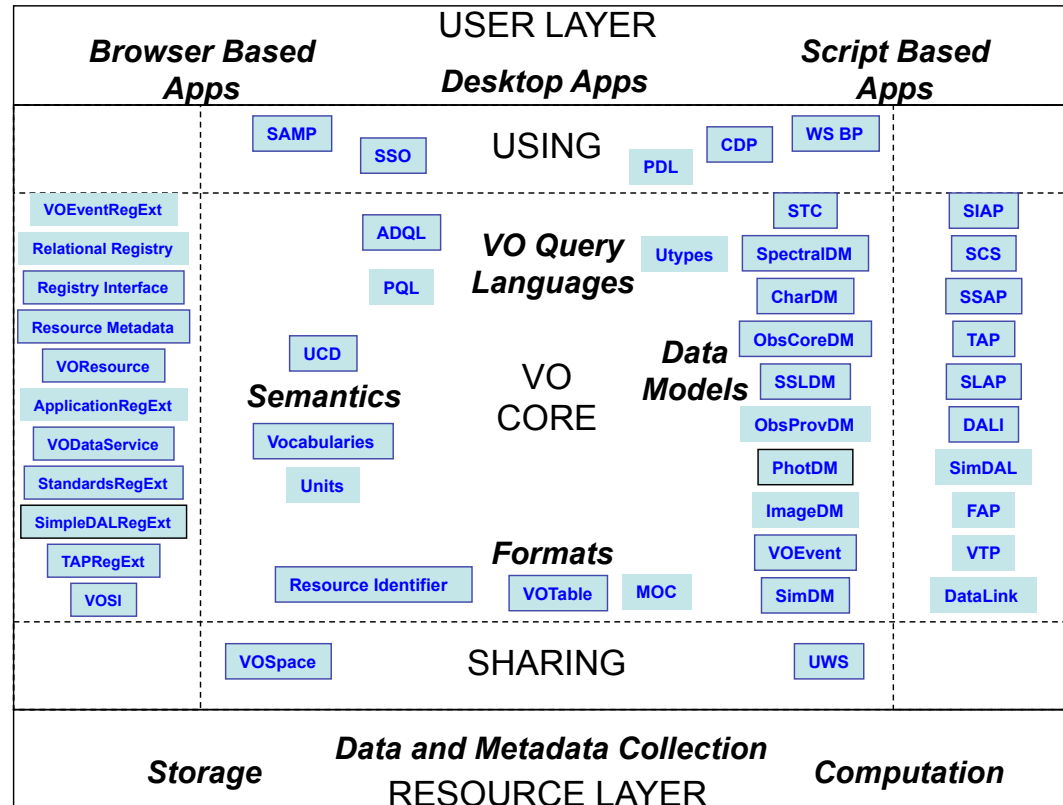
COMPUTERS

REC

InProgress

REGISTRY

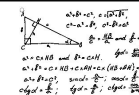
DATA PROTOCOLS ACCESS



20140517
IVOA Architecture



PROVIDERS



Updated with
new standards



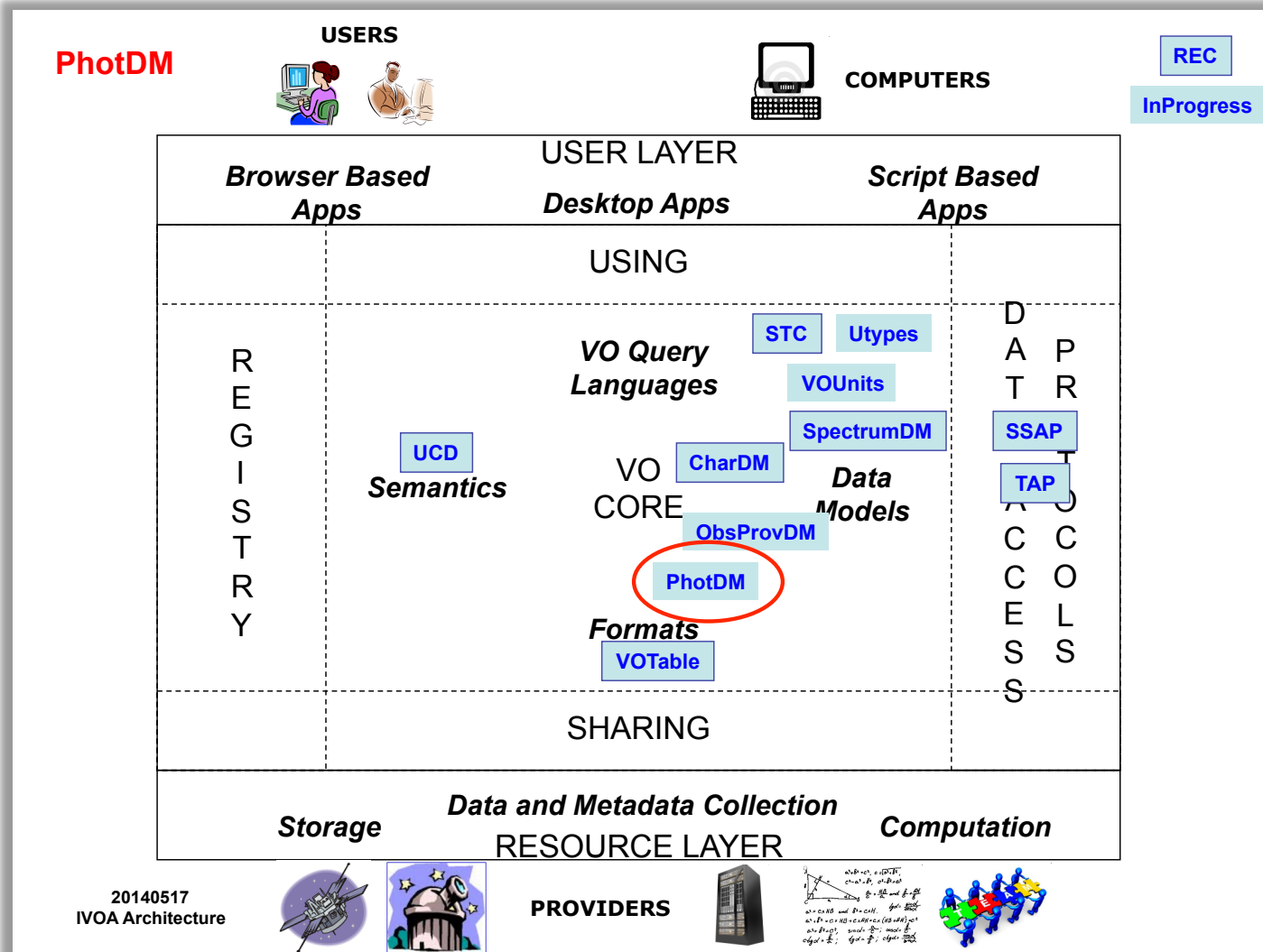
Standards into REC since last Interop

- ▶ Registry
 - ▶ Simple DAL Registry Extension: Oct 5, 2013
- ▶ Data Model WG:
 - ▶ Photometry Data Model: Oct 5, 2013
- ▶ Data Access Layer WG:
 - ▶ Data Access Layer Interface: Nov 29, 2013



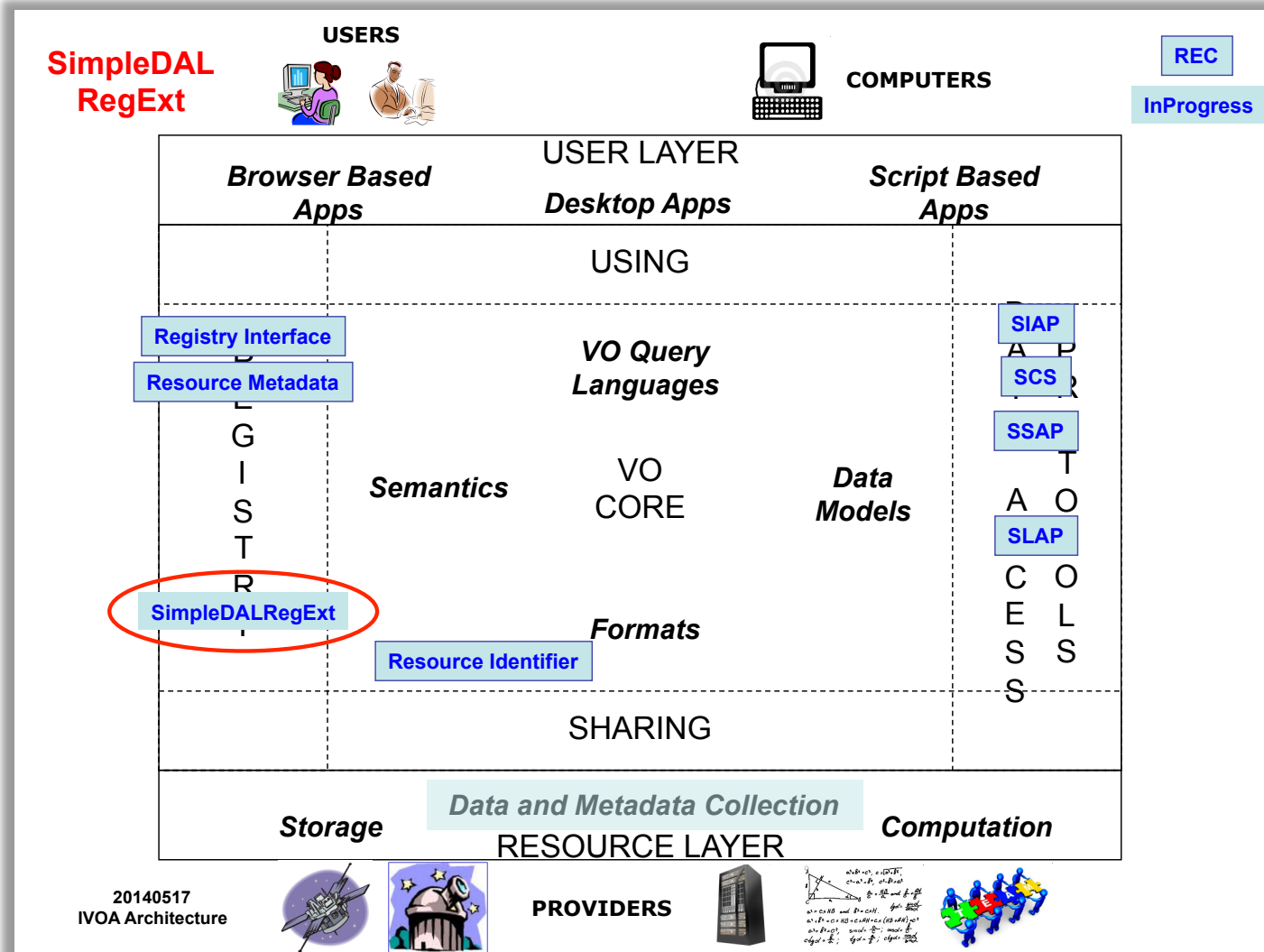


Photometry Data Model 1.0



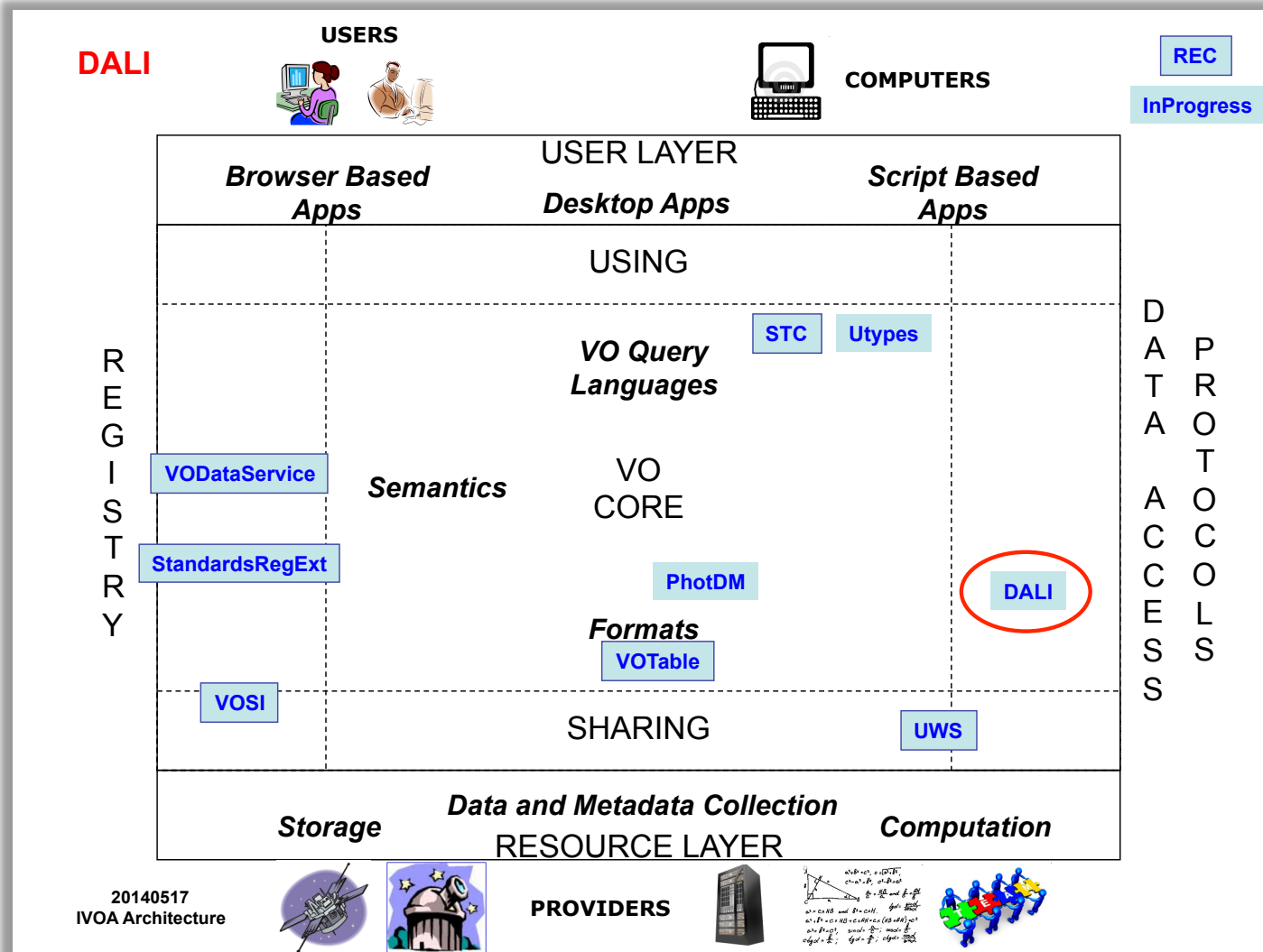


Simple DAL Registry Extension 1.0



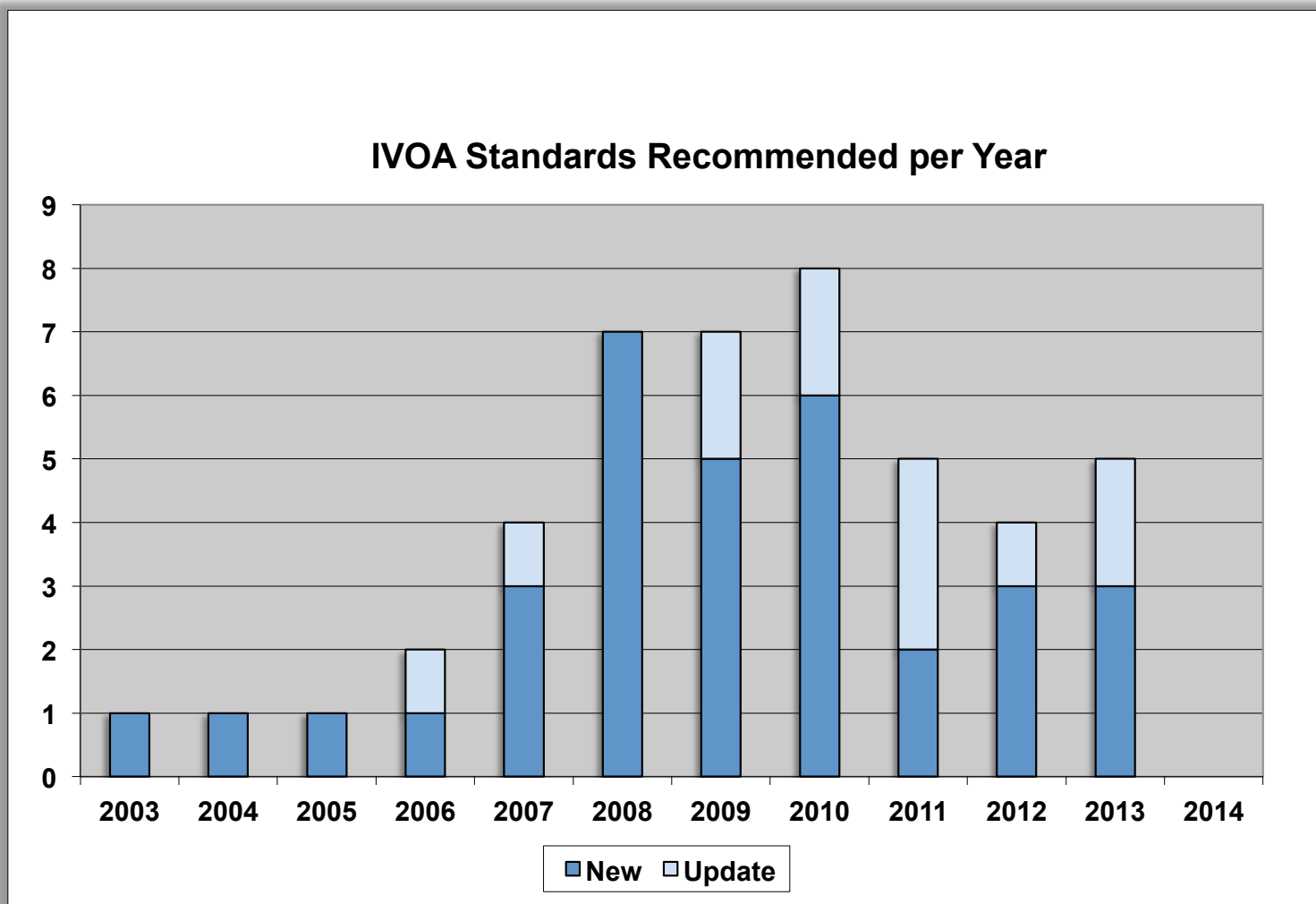


Data Access Layer Interface 1.0





IVOA Standards per year





IVOA Standards – I

Standards	WG	Date	Comments
2003			
IVOA Document Standards v1.0	Standards & Process	Oct 2003	Updated to v1.2 in 2010
2004			
VOTable v1.10 VOTable Format Definition	VOTable	Aug 2004	Updated to v1.2 in 2009
2005			
UCD v1.10 Standard for Unified Content Descriptors	Semantics	Aug 2005	
2006			
Maintenance of the list of UCD words v1.20	Semantics	May 2006	Updated from v1.10
VOEvent v1.11 Sky Event Reporting Metadata	VOEvent	Nov 2006	Updated to v2.0 in 2011
2007			
IVOA Identifiers v1.12 Resource Metadata for the VO	Registry	Mar 2007	
UCD 1+ v1.23 The UCD1+ controlled vocabulary	Semantics	Apr 2007	
STC v1.33 Space-Time Coordinate Metadata Standard	DM	Oct 2007	
SpectraDM v1.01 Spectral Data Model	DM	Oct 2007	

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



IVOA Standards – 2

Standards	WG	Date	Comments
2008			
SSO v1.03 Single-Sign-On Profile	GWS	Jan 2008	
VOSpace v1.02 VOSpace service specification	GWS	Jan 2008	
VOResource v1.03 Encoding Schema for Resource Metadata	Registry	Feb 2008	
SCS v1.03 Simple Cone Search	DAL	Feb 2008	
SSAP v1.04 Simple Spectra Access Protocol	DAL	Feb 2008	
CharDM v1.13 Dataset Characterization Data Model	DM	Mar 2008	
ADQL v2.0 Astronomical Data Query Language	VOQL	Oct 2008	
2009			
SAMP 1.11 Simple Application Messaging Protocol	Apps	Apr 2009	
Vocabularies 1.16	Semantics	Sep 2009	
VOSpace 1.5 VOSpace Service Specification	GWS	Sep 2009	Update from v1.0 Update to v2.0 in 2013
Registry Interface 1.01	Registry	Sep 2009	
SIAP 1.0 Simple Image Access Protocol	DAL	Nov 2009	
VOTable v1.2 VOTable Format Definition	VOTABLE	Nov 2009	Update from v1.10 Updated to v1.3 in 2013
CDP 1.0 Credential Delegation Protocol	GWS	Nov 2009	

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



IVOA Standards – 3

Standards	WG	Date	Comments
2010			
TAP 1.0 Table Access Protocol	DAL	Feb 2010	
IVOA Document Standards v1.2	Standards & Process	Mar 2010	Update from v1.0
UWS 1.0 Universal Worker Service	GWS	Oct 2010	
VODataService 1.1	Registry	Oct 2010	
SSLDM 1.0 Simple Spectra Line DM	DM	Nov 2010	
SLAP 1.0 Simple Line Access Protocol	DAL	Nov 2010	
WS BP 1.0 Web Service Basic Profile	GWS	Dec 2010	
SAMP 1.2 Simple Application Messaging Protocol	Apps	Dec 2010	Minor update from v1.11 Updated to v1.3 in 2012
2011			
Standards	WG	Date	Comments
VOSI 1.0 IVOA Support Interface	GWS	May 2011	
VOEvent 2.0	VOEvent	Jul 2011	
ObsCoreDM 1.0 Observation Core Data Model	DM	Oct 2011	
SSAP 1.1 Simple Spectra Access Protocol	DAL	Nov 2011	Update from v1.04
SpectrumDM 1.1 Spectrum Data Model	DM	Nov 2011	Update from v1.03

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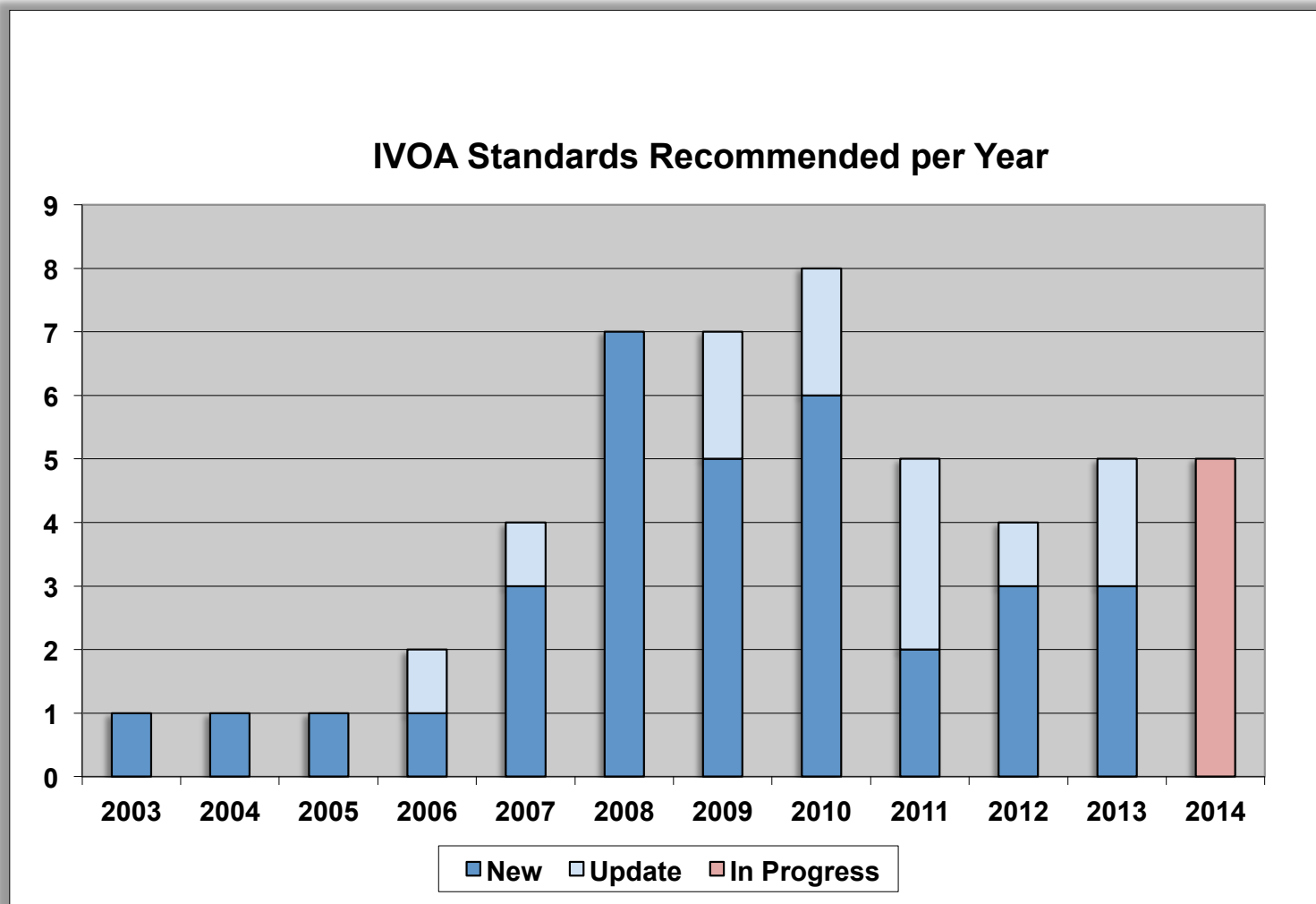
IVOA Standards – 4

Standards	WG	Date	Comments
2012			
SAMP 1.3 Simple Application Messaging Protocol	Apps	Apr 2012	Update from v1.2
StandardRegExt 1.0 Standard Registry Extension	Registry	Apr 2012	
SimDM 1.0 Simulation Data Model	Theory / DM	May 2012	
TAPRegExt 1.0 Table Access Protocol Registry Extension	DAL	Jun 2012	
2013			
VOSpace 2.0 VOSpace Service Specification	GWS	May 2013	Update from v1.15
VOTable 1.3 VOTable Format Definition	Apps	Sep 2013	Update from v1.2
SimpleDALRegExt 1.0 Simple DAL Registry Extension	Reg	Oct 2013	
PhotDM 1.0 Photometry Data Model	DM	Oct 2013	
DALI 1.0 DAL Interface	DAL	Oct 2013	

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



IVOA Standards per year





PR's in the Rec Process

- ▶ In Exec review
 - ▶ VOUnits 1.0
- ▶ Ready for Exec review
 - ▶ HEALPix Multi-Order Coverage Map (MOC) 1.0
 - ▶ Parameter Description Language (PDL) 1.0
- ▶ In RFC period
 - ▶ Relational Registry 1.0
 - ▶ Spectral DM 2.0

IVOA Document Standards Process



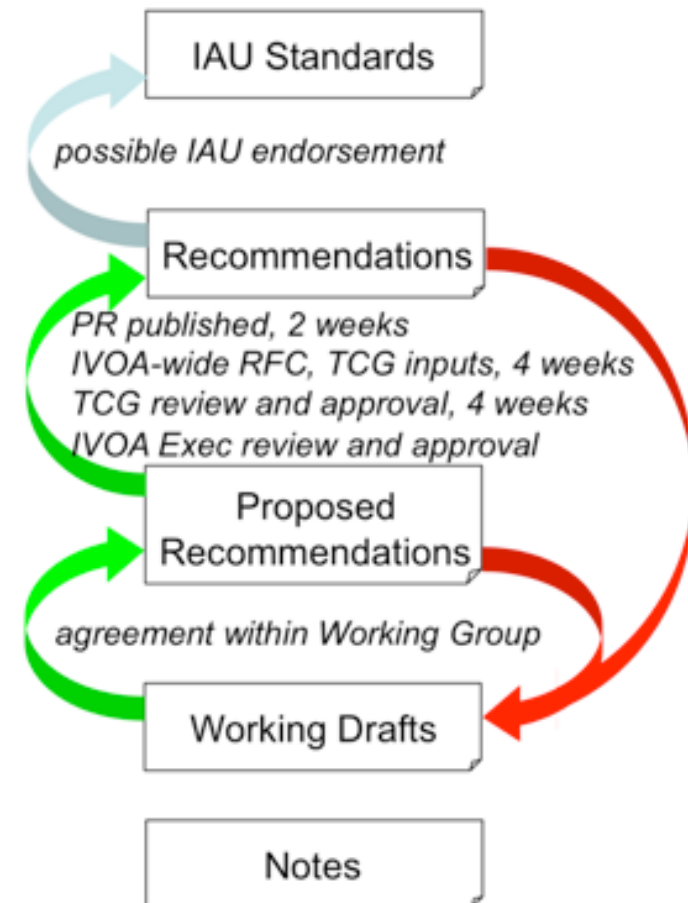


Review Process - I

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

Working Groups		
Applications	Mark Taylor	Pierre Fernique
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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





TCG Meeting May 18 2014

- ▶ **Review of standards in REC process**
 - ▶ Data model diagrams in standard: could/should have both conceptual and technical representations
 - ▶ Commenting on standards early in the REC process

- ▶ **Status of standards impacting various WG/IG**
 - ▶ VO-MDL
 - ▶ Mapping complex data models into VOTable

- ▶ **General topics**
 - ▶ “Strong” Notes (e.g. implementation notes, errata)
 - ▶ A WG-led process with TCG review
 - ▶ Codebases and repositories



Publishing Data in the VO

- ▶ All InterOp participants are invited to provide input

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 > WebPreferences > 2014ARoadmap (2014-05-17, MatthewGraham) Edit Attach

IVOA Roadmap for 2014A

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

- ↓ [IVOA Roadmap for 2014A](#)
 - ↓ [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

- ▶ I wish you all a productive week!

