



# State of the TCG

Shanghai  
2017-05-15

*Matthew Graham and Patrick Dowler  
For the TCG*



# Technical Coordination Group

- ▶ Build consensus within the WG and community
- ▶ Assure technical coordination amongst WGs/IGs
- ▶ Liaison with IVOA Exec
- ▶ Specific role in Recommendation Process

	Chair	Vice-Chair
TCG	<a href="#">Matthew Graham</a>	<a href="#">Pat Dowler</a>
<b>Working Groups</b>		
<a href="#">Applications</a>	<a href="#">Pierre Fernique</a>	<a href="#">Tom Donaldson</a>
<a href="#">Data Access Layer</a>	<a href="#">François Bonnarel</a>	<a href="#">Marco Molinaro</a>
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<a href="#">Registry</a>	<a href="#">Markus Demleitner</a>	<a href="#">Theresa Dower</a>
<a href="#">Semantics</a>	<a href="#">Mireille Louys</a>	<a href="#">Alberto Accomazzi</a>
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<b>IVOA Committees</b>		
<a href="#">Exec</a>	<a href="#">Pepi Fabbiano</a>	<a href="#">Mark Allen</a>
<a href="#">Standard and Processes</a>	<a href="#">Francoise Genova</a>	
<a href="#">Science Priorities</a>	<a href="#">Mark Allen</a>	



# Group

- ▶ New leadership
- ▶ New Interest Group

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# Group

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

- ▶ 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



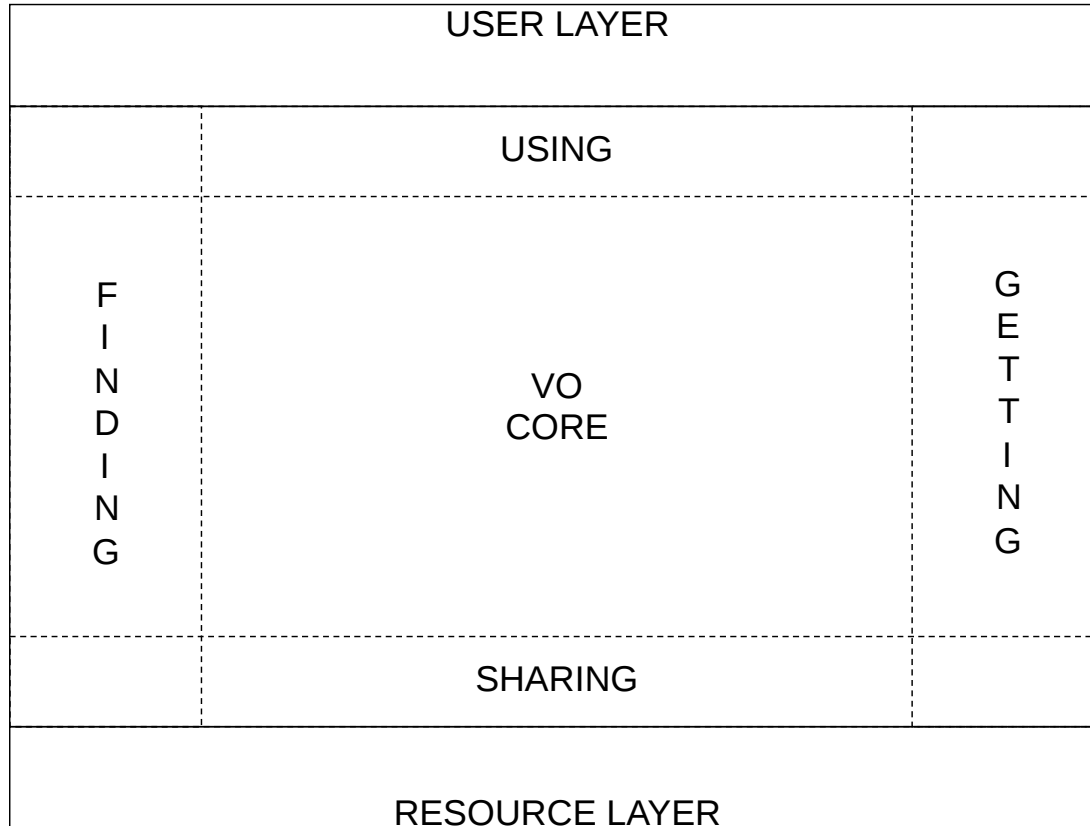
# IVOA Architecture Level 0

**LEVEL 0**

**USERS**



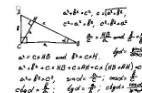
**COMPUTERS**



20120521  
IVOA Architecture



**PROVIDERS**



Stable Since  
Creation



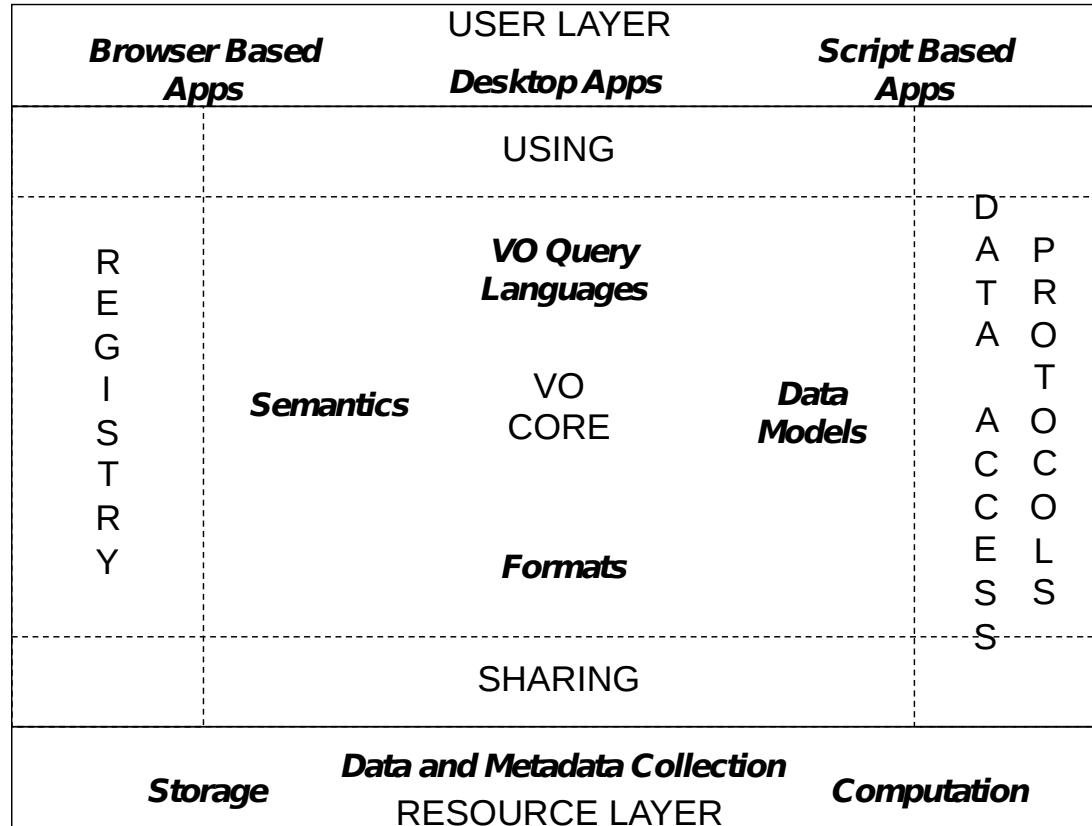
# IVOA Architecture Level 1

**LEVEL 1**

**USERS**



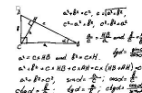
**COMPUTERS**



20120521  
IVOA Architecture



**PROVIDERS**



Stable Since  
Creation



# IVOA Architecture Level 2

**LEVEL 2**  
All standards

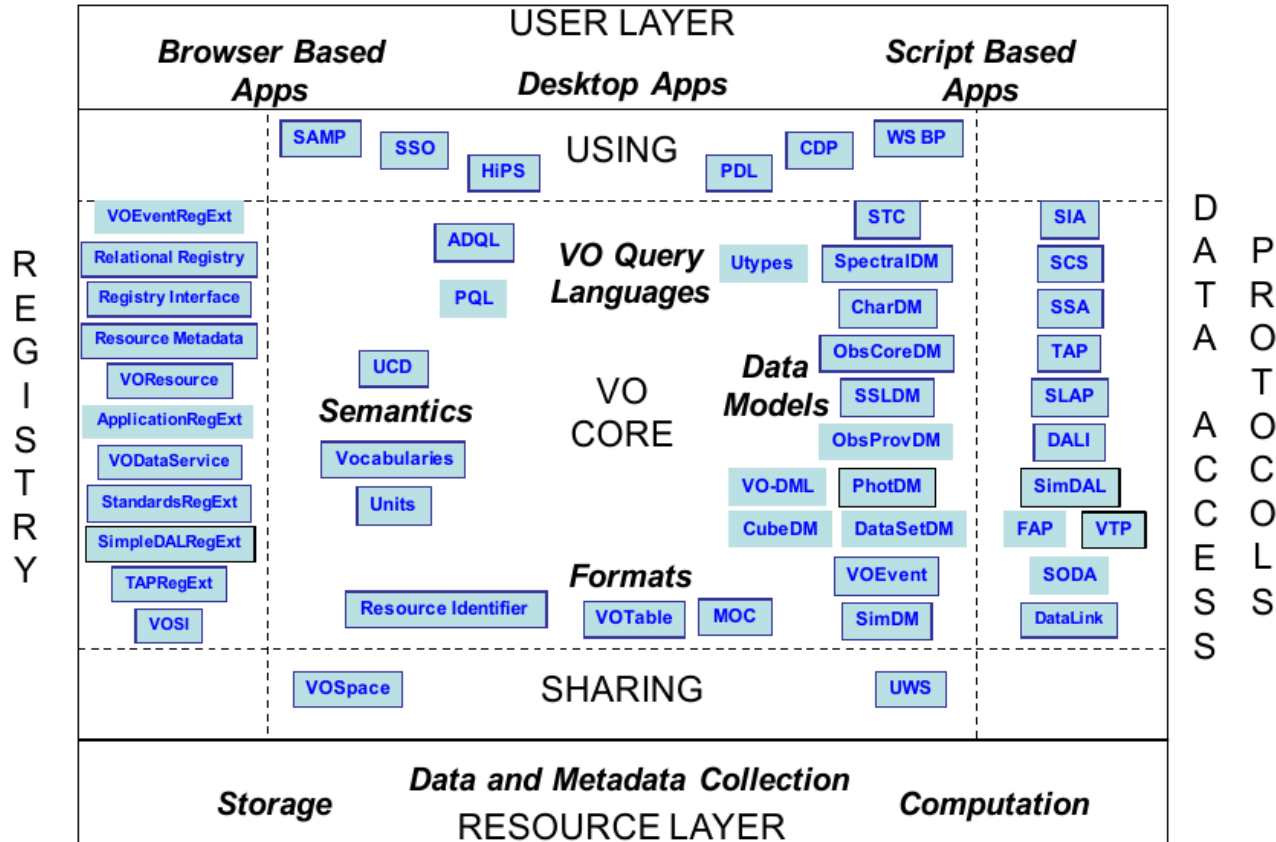
USERS



COMPUTERS

REC

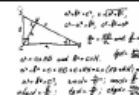
InProgress



20150619  
IVOA Architecture



PROVIDERS







# Since last InterOp

Data Access Layer WG  
Data Model WG  
Theory IG  
Time Domain IG

- ▶ ObsCore 1.1
- ▶ SimDAL 1.0
- ▶ VTP 2.0





# Latest RECs

**LEVEL 2**  
All standards

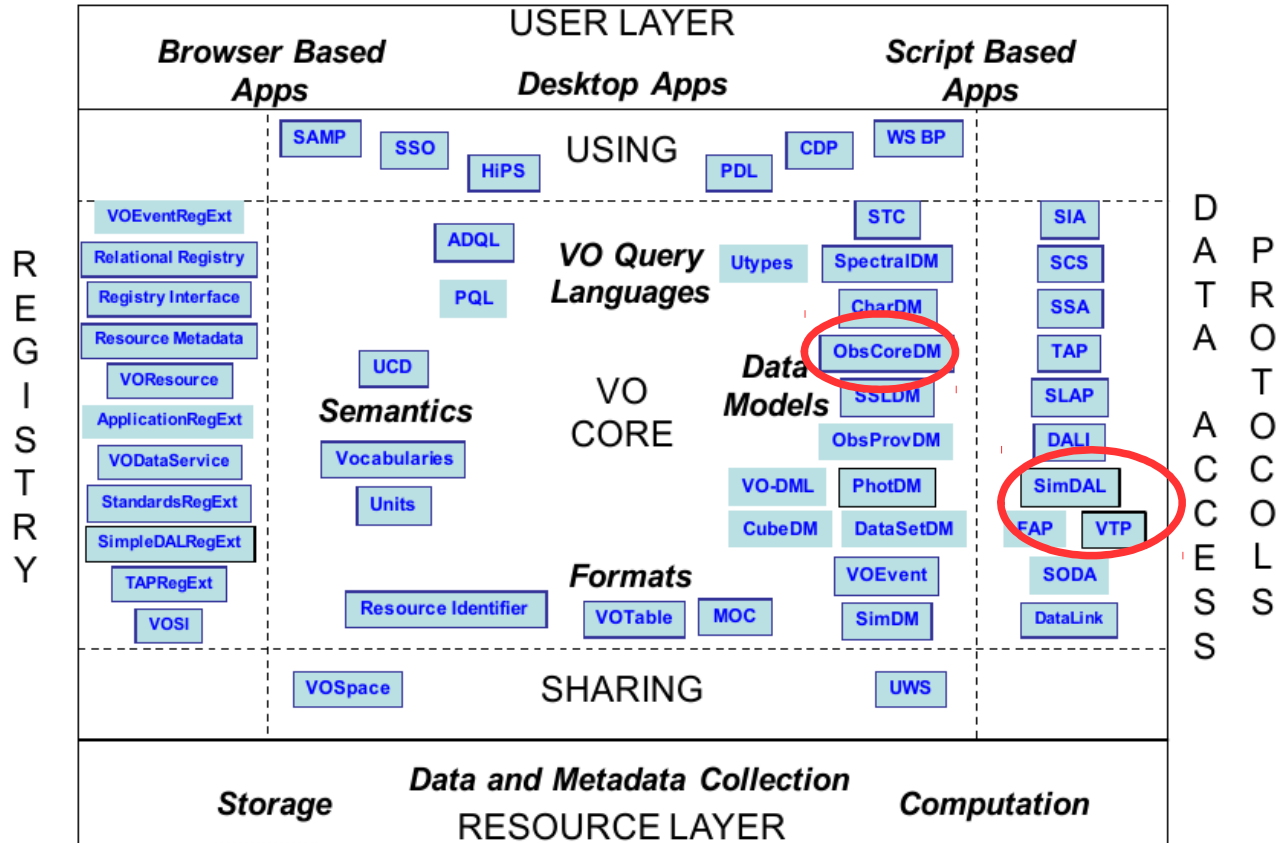
USERS



COMPUTERS

REC

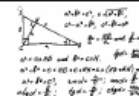
InProgress



20150619  
IVOA Architecture



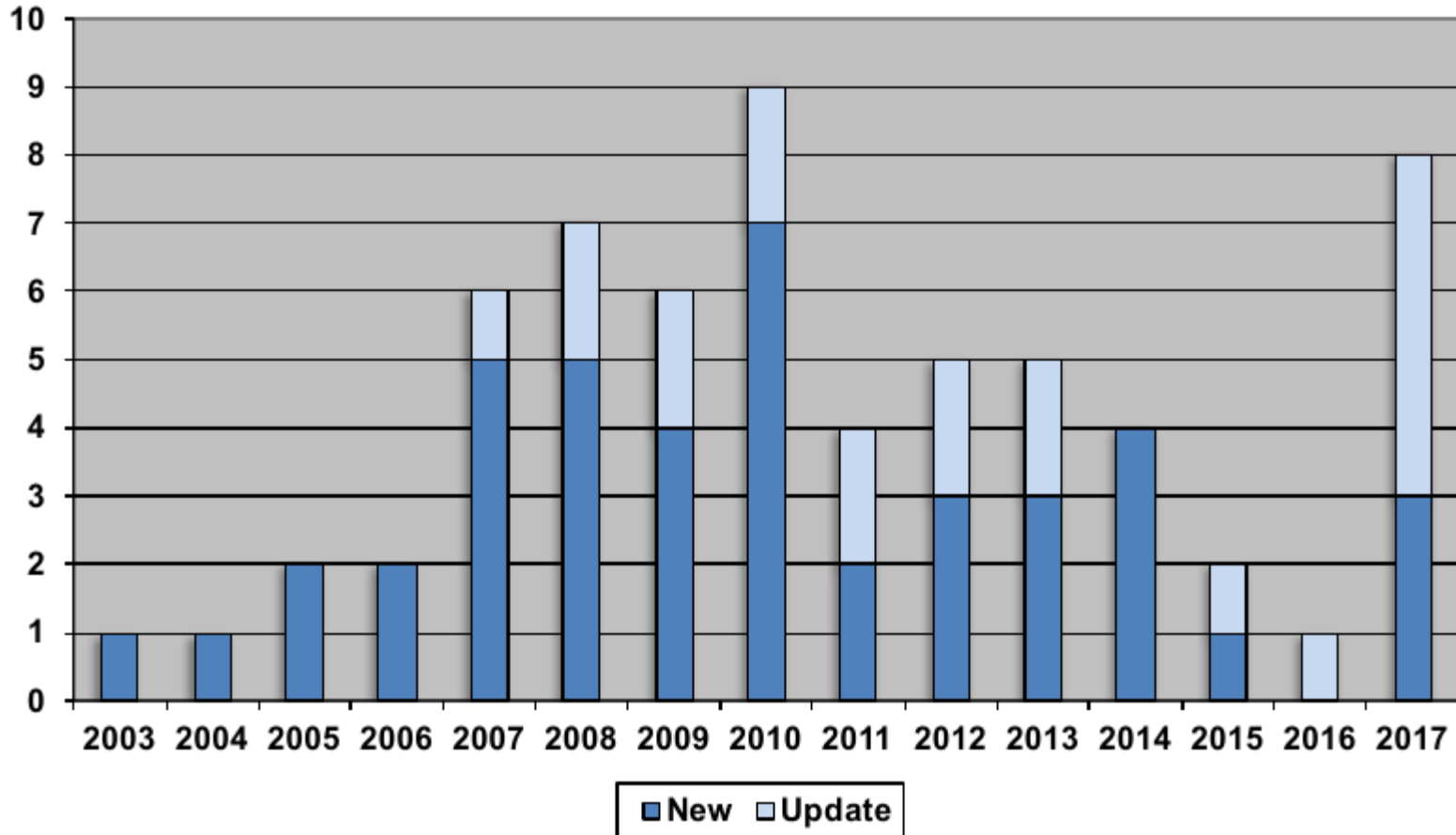
PROVIDERS





# IVOA Standards per year

IVOA Standards Recommended per Year





# New: Errata Process

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TCG endorse errata for existing standards

Latest (first!) errata:

- ▶ TAPRegExt 1.0 (1)
- ▶ TAP 1.0 (4)
- ▶ VOTable 1.3 (1)



# Exec Endorsed Priorities

- ▶ Multi-dimensional data:

- ▶ “SIAv2”

- ▶ ObsCore 1.0: Recommendation
    - ▶ Datalink 1.0: Recommendation
    - ▶ SIA 2.0: Recommendation
    - ▶ DALI 1.1 : submitted to Exec
    - ▶ SODA 1.0: submitted to Exec

support minimum set of use cases: DONE

- ▶ additional features

- ▶ ObsCore 1.1: Recommendation
    - ▶ Data Access Layer WG activities
    - ▶ Data Model WG activities



# Exec Endorsed Priorities

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- ▶ Time Domain & Time Series data:
  - ▶ ongoing data model work
  - ▶ increase in prototype work
  
- ▶ multiple joint sessions: DAL/DM/TDIG
- ▶ activity in the science community
- ▶ gaining traction within the IVOA



# Review Process - 1

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

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# Review Process - 2

- ▶ Proposed Recommendation
  - ▶ Request for Comment (RFC)
    - ▶ IVOA-wide 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







# PR's in the Rec Process

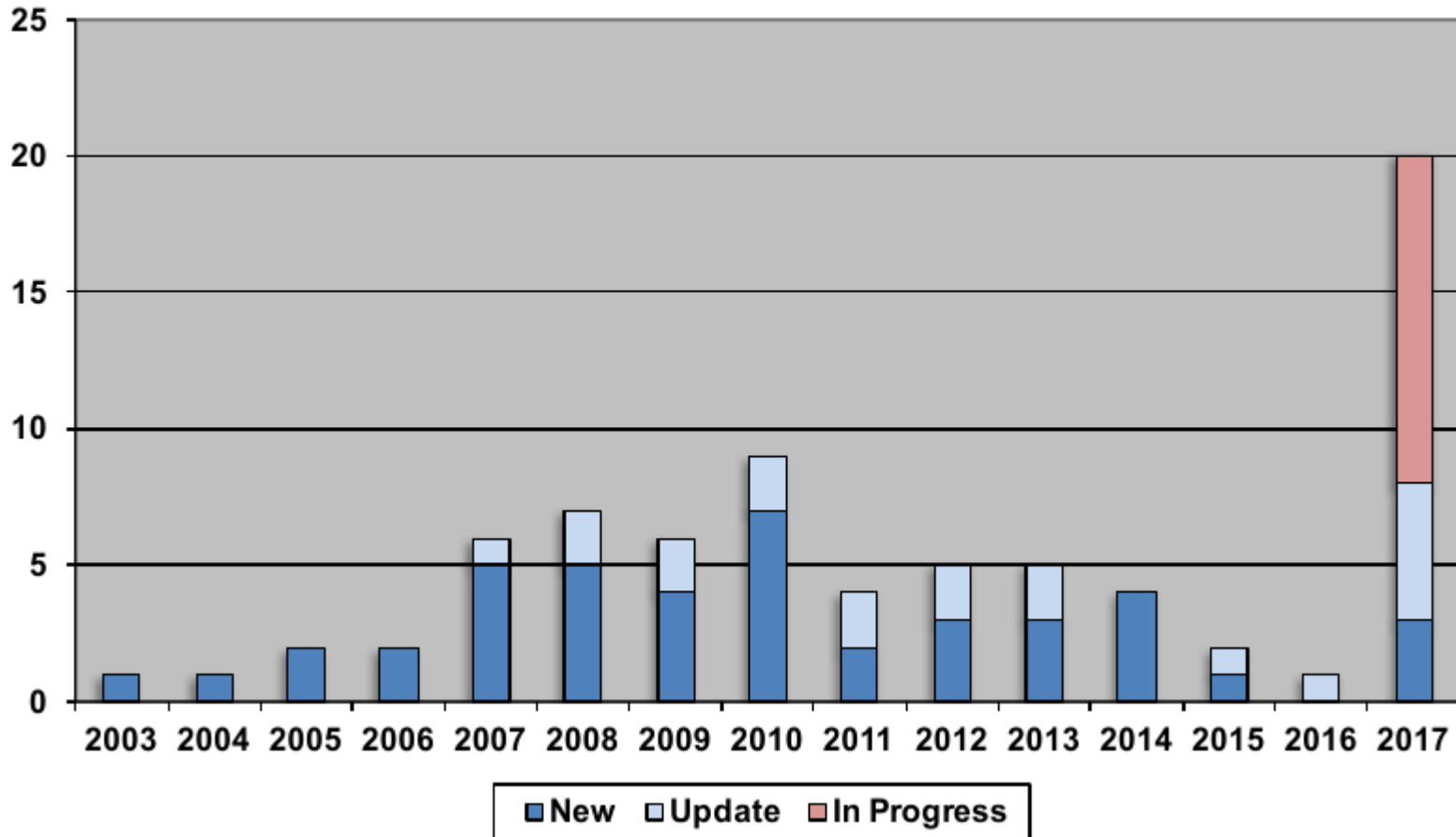
- ▶ In Exec review
  - ▶ DocStd 2.0
  - ▶ Single Sign-On (SSO) 2.0
  - ▶ SimpleDALRegExt 1.1
  - ▶ HiPS 1.0
  - ▶ VOSI 1.1
  - ▶ DALI 1.1
  - ▶ SODA 1.0
- ▶ In RFC/TCG review
  - ▶ VO-DML 1.0
  - ▶ VO Registry Interfaces 1.1
  - ▶ VOSpace 2.1





# 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](#) > PublishingInTheVO (2017-05-14, MarcoMolinaro)



## 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:

<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](#) > [2017ARoadmap](#) (2017-05-14, [MatthewGraham](#))

[Edit](#) [Attach](#)

## IVOA Roadmap for 2017A

This outlines the roadmap for development activities by the various IVOA working and interest groups in 2017 between the Shanghai and Santiago Interops.

### ↓ [IVOA Roadmap for 2017A](#)

- ↓ [Applications](#)
- ↓ [Data Access Layer](#)
- ↓ [Data Model](#)
- ↓ [Grid and Web Services](#)
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- ↓ [Science Priorities](#)



# This InterOp

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- ▶ We wish everyone a productive week in Shanghai!