



# IVOA Interoperability Meeting Cape Town, 8 - 13 May, 2016



TCG Closing

Cape Town  
2016-05-13

*Matthew Graham and Pat Dowler  
For the TCG*



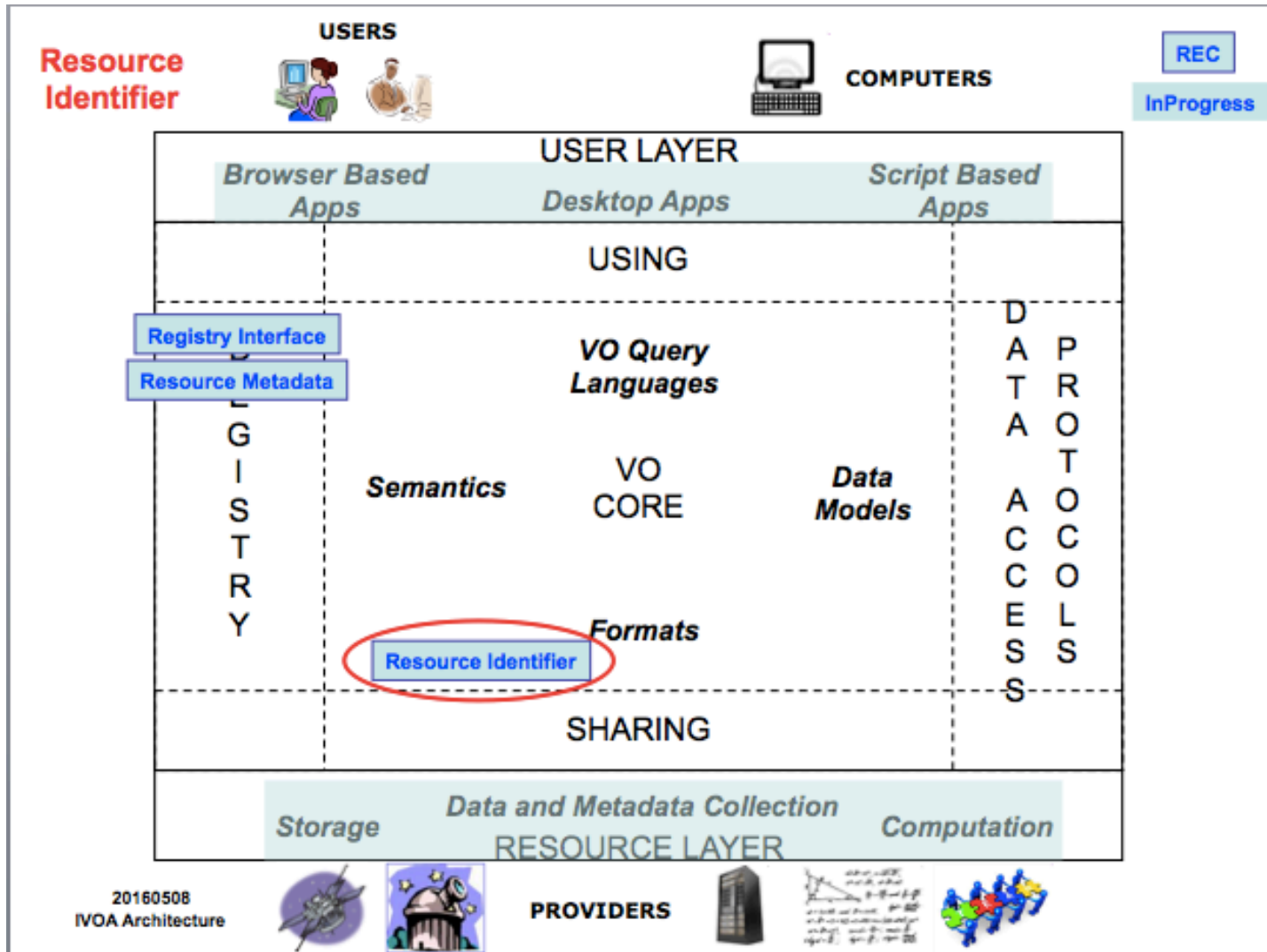
# Standards approved at this InterOp

- ▶ Registry WG
  - ▶ Resource Identifiers 2.0





# Resource Identifiers 2.0





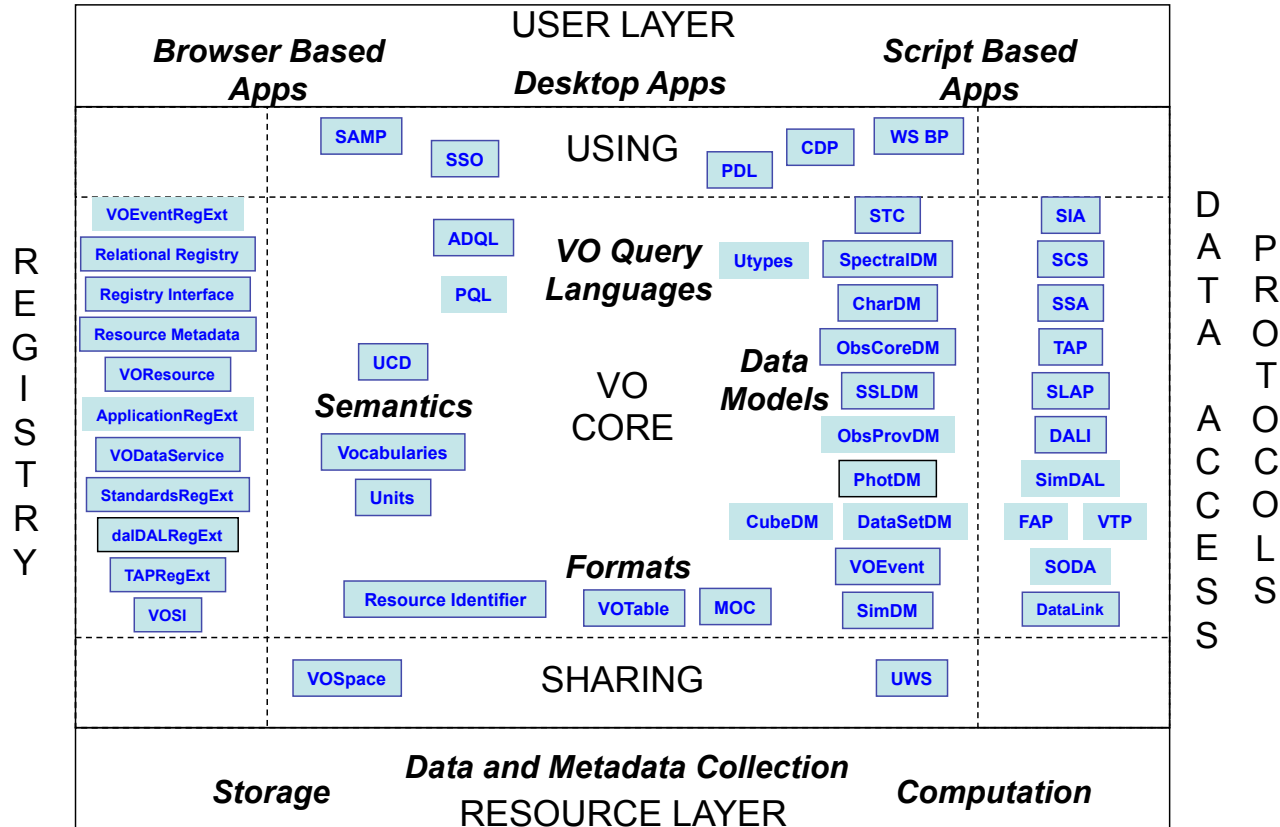
# IVOA Architecture Level 2

**LEVEL 2**  
All standards



COMPUTERS

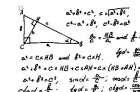
REC  
InProgress



20160508  
IVOA Architecture



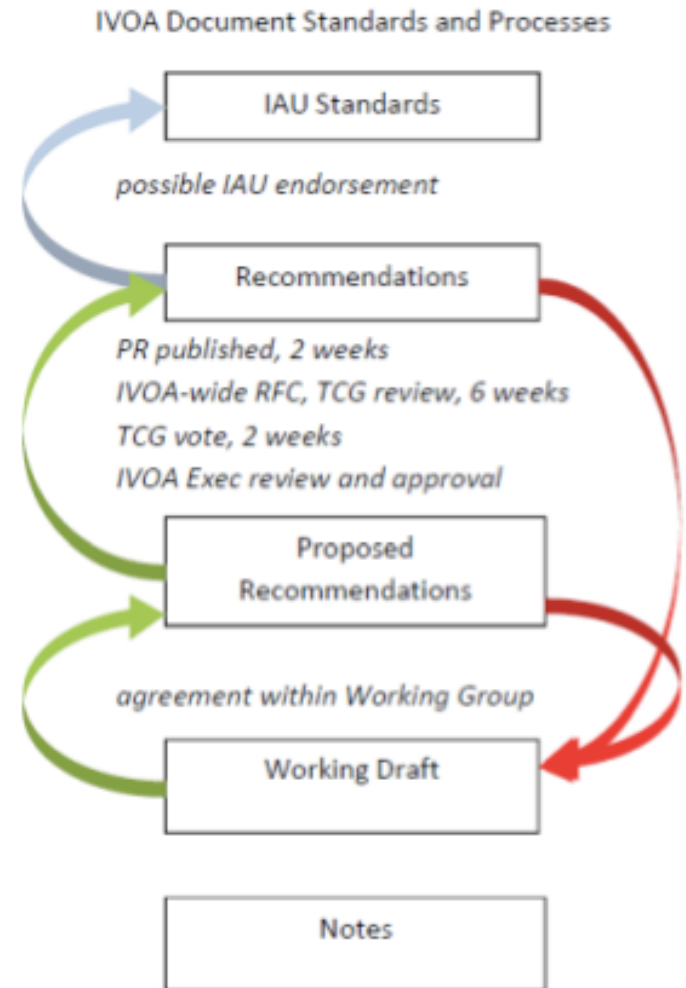
PROVIDERS





# PR's in the Rec Process

- ▶ Awaiting Exec review
  - ▶ Universal Worker Service (UWS) 1.1
- ▶ Awaiting TCG vote
  - ▶ Single Sign-On (SSO) 2.0
- ▶ In RFC/TCG review
  - ▶ VOSI 1.1
  - ▶ ObsCore 1.1
- ▶ In PR
  - ▶ VOEvent Transport Protocol (VTP) 2.0
  - ▶ SODA 1.0





# Proposed Recommendations

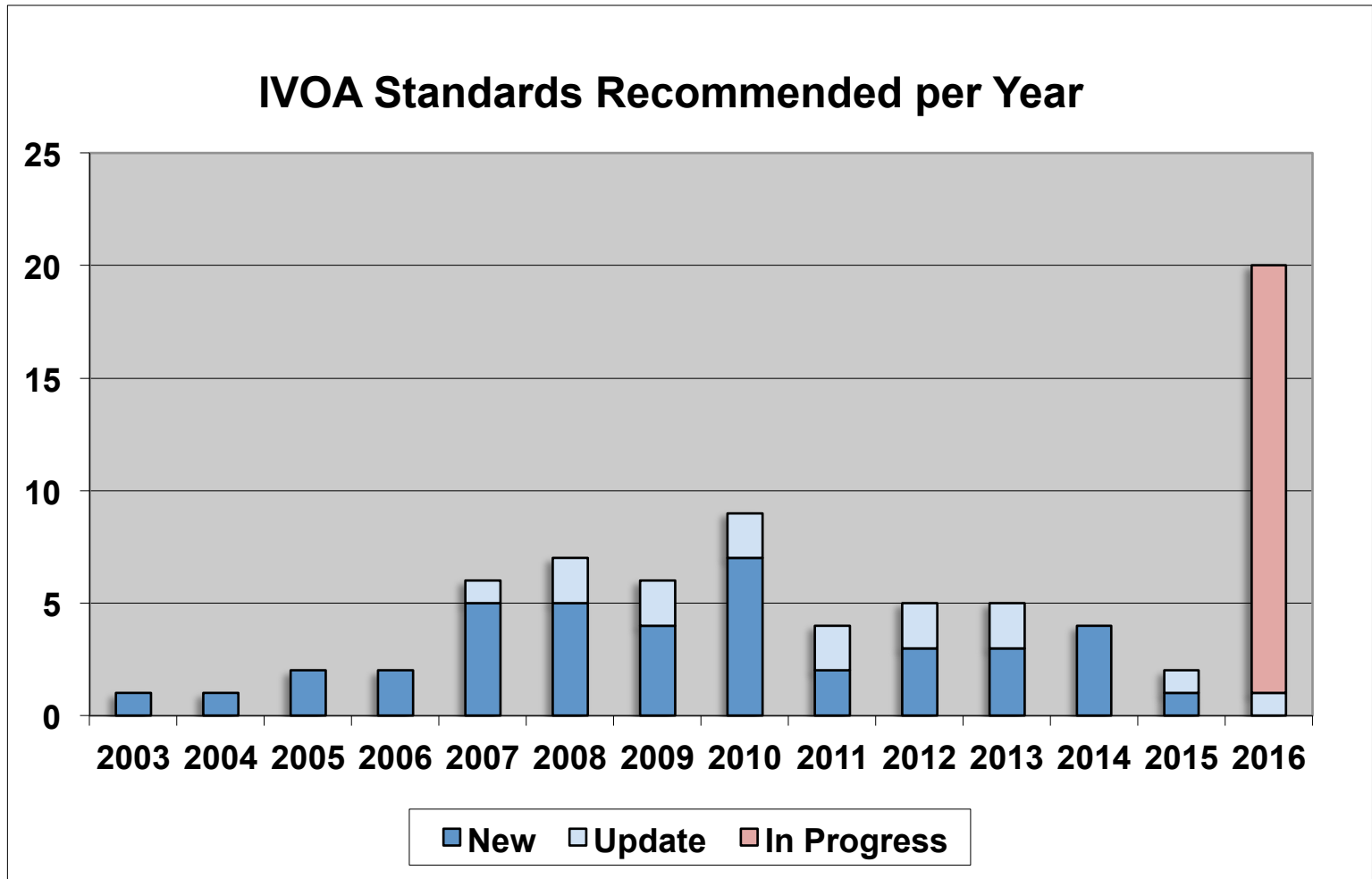
## ▶ Coming Soon?

- ▶ SimDAL 1.0
- ▶ Document Standards 1.2
- ▶ VOspace 2.1
- ▶ VO-DML 1.0
- ▶ DataSetMetadata 1.0
- ▶ NDCube 1.0
- ▶ DALI 1.1
- ▶ TAP 1.1
- ▶ ADQL 2.1
- ▶ Registry Interfaces 1.1
- ▶ SimDALRegExt 1.1
- ▶ TapRegExt 1.1
- ▶ STC 2





# IVOA Standards per year





# Exec Endorsed Priorities

- ▶ **Multi-dimensional data:**
  - ▶ **SIA v2.0:**
    - ▶ ObsCore 1.0: Recommendation
    - ▶ Datalink 1.0: Recommendation
    - ▶ SIA 2.0: Recommendation
    - ▶ SODA (AccessData) 1.0: In PR
  - ▶ **SIA v2.1:**
    - ▶ Obscore 1.1: In RFC
    - ▶ ImageDM 1.0: Refactored into DatasetDM and CubeDM, both in WD.
    - ▶ SIAv2.1: to follow ImageDM and/or ObsCore
- ▶ **Time Series data:**
  - ▶ **TDIG will develop use cases, explore use of SparseCube**





# Technical Coordination Group

- ▶ Terms ending this InterOp
- ▶ Thank you for your contributions

	Chair	Vice-Chair
TCG	Matthew Graham	Pat Dowler
<b>Working Groups</b>		
Applications	Pierre Fernique	Tom Donaldson
Data Access Layer	François Bonnarel	Marco Molinaro
Data Model	Mark Cresitello-Dittmar	Laurent Michel
Grid and Web Services	Brian Major	Giuliano Taffoni
Registry	Markus Demleitner	Theresa Dower
Semantics	Mireille Louys	Alberto Accomazzi
<b>Interest Groups</b>		
Data Curation & Preservation	Françoise Genova	n/a
Education	Massimo Ramella	Sudhanshu Barway
Knowledge Discovery in Databases	Kai Lars Polsterer	n/a
Operations	Tom McGlynn	Mark Taylor
Theory	Franck Le Petit	Carlos Rodrigo
Time Domain	John Swinbank	Mike Fitzpatrick
<b>IVOA Committees</b>		
Exec	Christophe Arviset	Pepi Fabbiano
Standard and Processes	Francoise Genova	n/a
Science Priorities	Mark Allen	n/a



# TCG Issues

- ▶ 'Z' in timestamps
- ▶ SODA validator
- ▶ DALI regions (ref. Szalay)
- ▶ Splitting STC 2
- ▶ Reference implementations for data models
- ▶ Registry extensions – how will you describe your service?



# 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 > 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](#)
- ↓ [Education](#)
- ↓ [Knowledge Discovery in Databases](#)
- ↓ [Operations](#)
- ↓ [Theory](#)
- ↓ [Time Domain](#)
- ↓ [Standard and Processes](#)
- ↓ [Science Priorities](#)

<http://www.ivoa.net>



# In Closing

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Thank you all for the hard work this week

Thank you to the organizers