

# State of the TCG - Closing Remarks

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The InterOp @ College Park  
2018-11-10



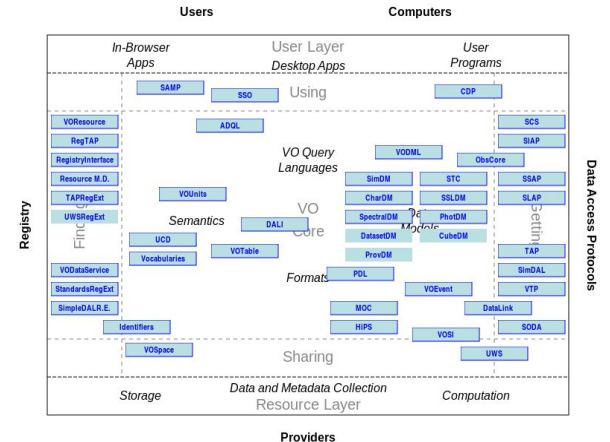
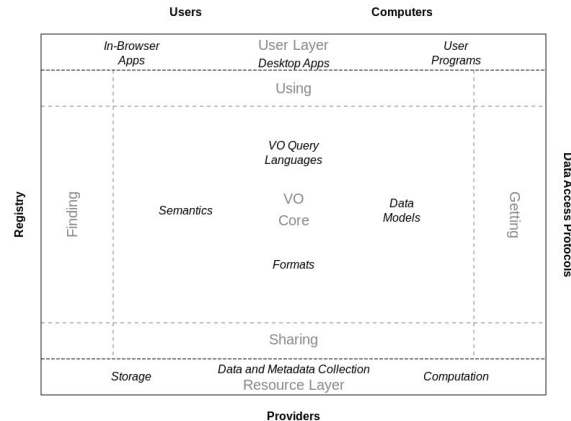
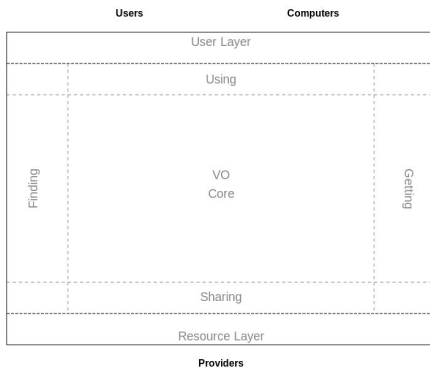
# Standards currently in the REC process

- Proposed Recommendations
  - TAP 1.1
  - Provenance DM 1.0
  - UCList Maintenance 2.0
- need to update the doc repo page with current RFC links
- TCG members will be reviewing these and voting in advance of the next IVOA Exec telecon



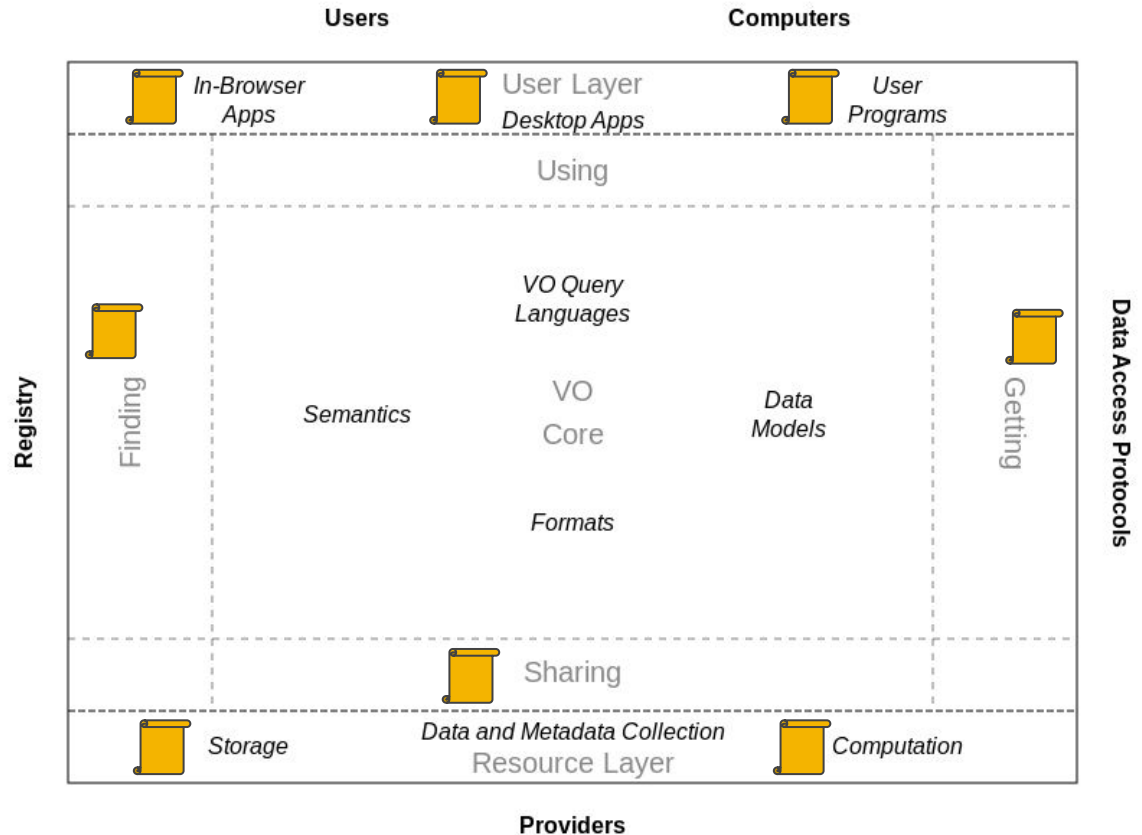
# IVOA Architecture

- IVOA Architecture Note released Nov 2010
  - review and revision by the TCG -- effort and coordination required!
  - Working Draft in Sprint 2019
  - Endorsed Note status for beginning of 2020



# Big Themes

- AUTH (both of A&A) wins for the second InterOp in a row!
  - Identities & Credentials
  - VOSI-capabilities
  - SSO (Shib, CAS, X509, CILogon)
  - OpenID authentication & OAuth tokens
  - Group Membership as an interoperable authorization helper



# Publishing Data in the VO

- Community is invited to provide input
- TCG members to maintain and review content
- Planning to go live with revamped page in ~1 month

## Publishing Data in the VO

This document is intended as a guide to scientists, archives and developers who wish to provide astronomical data in the protocols and may find the plethora of VO standards intimidating. It discusses the advantages of the VO approach, how learn how to implement the VO standards, and how to make your new capabilities visible to the rest of the VO.

### Why publish in the VO?

There are many scientific and practical benefits to publishing your data in the VO. Your data will be interoperable with other around the world making multimission, multiwavelength, multiarchive research much more feasible. Your data will automate Java clients, and data portals like the MAST astronomy data portal. Scientists who may not know of your resources can find appropriate characteristics.

For developers there are many clients and tools that can be used to interact with the data when they are available through you can reuse any of a number of well-tested frameworks for publishing data. When you need to define data models for you to take advantage of the expertise of many domain experts.

Increasingly astronomical research involves collaborations of scientists who build tools that analyze already massive but work there needs to be effective ways for the software tools to access the data. You can build your own special interfaces provide you with an easier pathway to making your data easily accessible to the astronomy community.

To publish your capabilities in the Virtual Observatory you need to do three things:

1. Decide what resources you are trying to publish and how you might wish to make them available through the VO.
2. Build VO interfaces.
3. Register the VO interfaces in the VO registry so that others can find them.

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



# IVOA Roadmap

- Roadmap page is updated by WG/IG chairs after each InterOp meeting
- Link to the current Roadmap on IVOA web site

## IVOA Roadmap for 2018B

This outlines the roadmap for development activities by the various IVOA working and interest groups in 2018 between the College Park and Paris Interops.

- [IVOA Roadmap for 2018B](#)
  - [Applications WG](#)
  - [Data Access Layer WG](#)
  - [Data Model WG](#)
  - [Grid and Web Services WG](#)
  - [Registry WG](#)
  - [Semantics WG](#)
  - [Data Curation & Preservation IG](#)
  - [Education IG](#)
  - [Knowledge Discovery IG](#)
  - [Operations IG](#)
  - [Solar System IG](#)
  - [Theory IG](#)
  - [Time Domain IG](#)
  - [Standard and Processes](#)
  - [Science Priorities](#)



On behalf of the TCG...



Thank you to Tom McGlynn & Peter Teuben (LOC)

