

**Users**

**Computers**

**Data Access Protocols**

*In-Browser  
Apps*

*User Layer  
Desktop Apps*

*User  
Programs*

Using

VOResource

RegTAP

ADQL

*VO Query  
Languages*

TAPRegExt

*Semantics*

*VO  
Core*

*Data  
Models*

Getting

TAP

VODataService

StandardsRegExt

SimpleDALR.E.

*Formats*

Identifiers

Sharing

*Storage*

*Data and Metadata Collection  
Resource Layer*

*Computation*

**Providers**

**Registry**

Finding