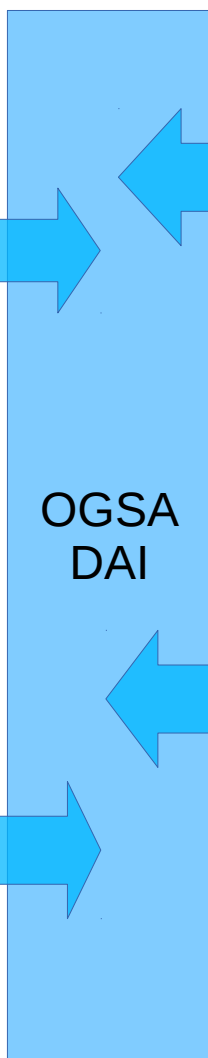
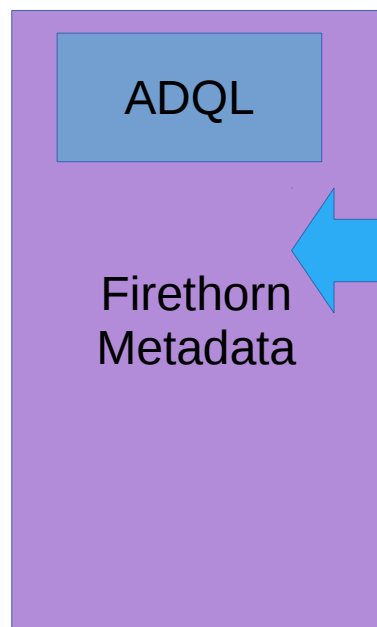


Wide Field Astronomy Unit (WFAU)

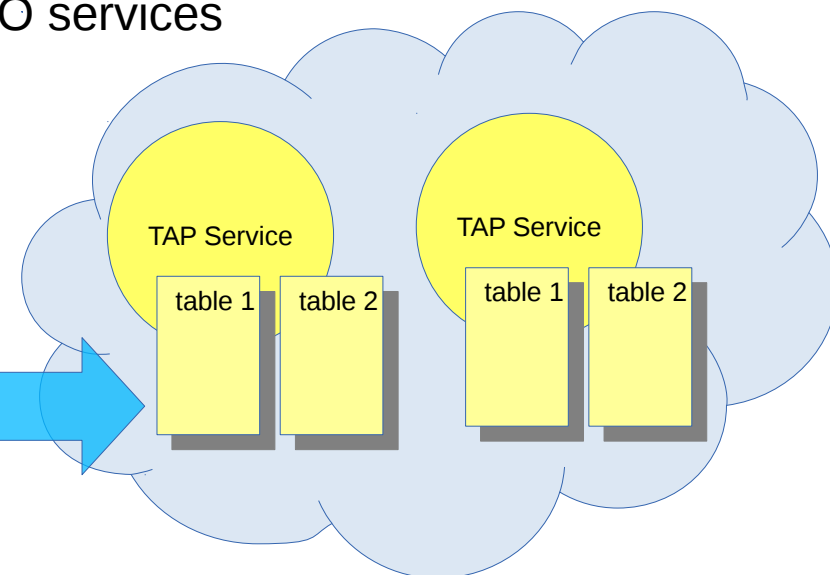
Virtual Observatory
Data Access

Internal architecture

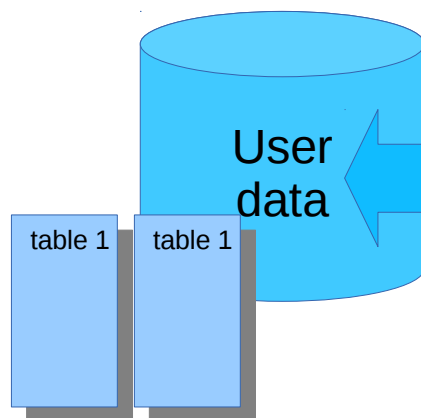
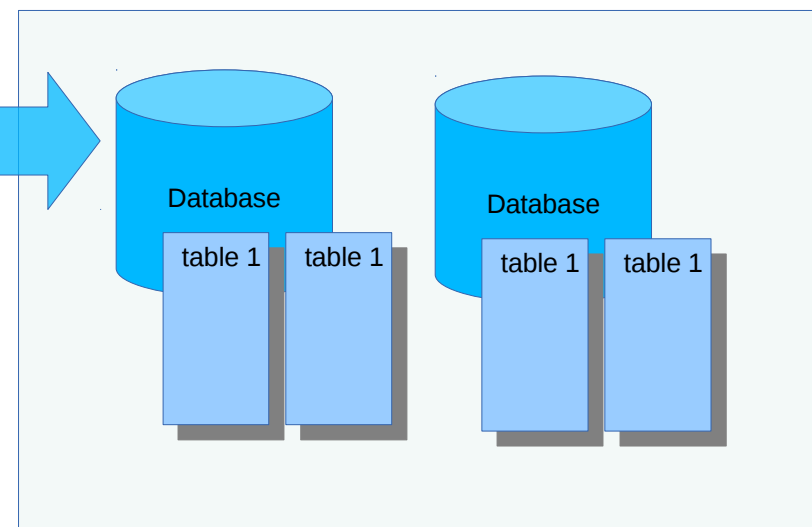
User interface



VO services

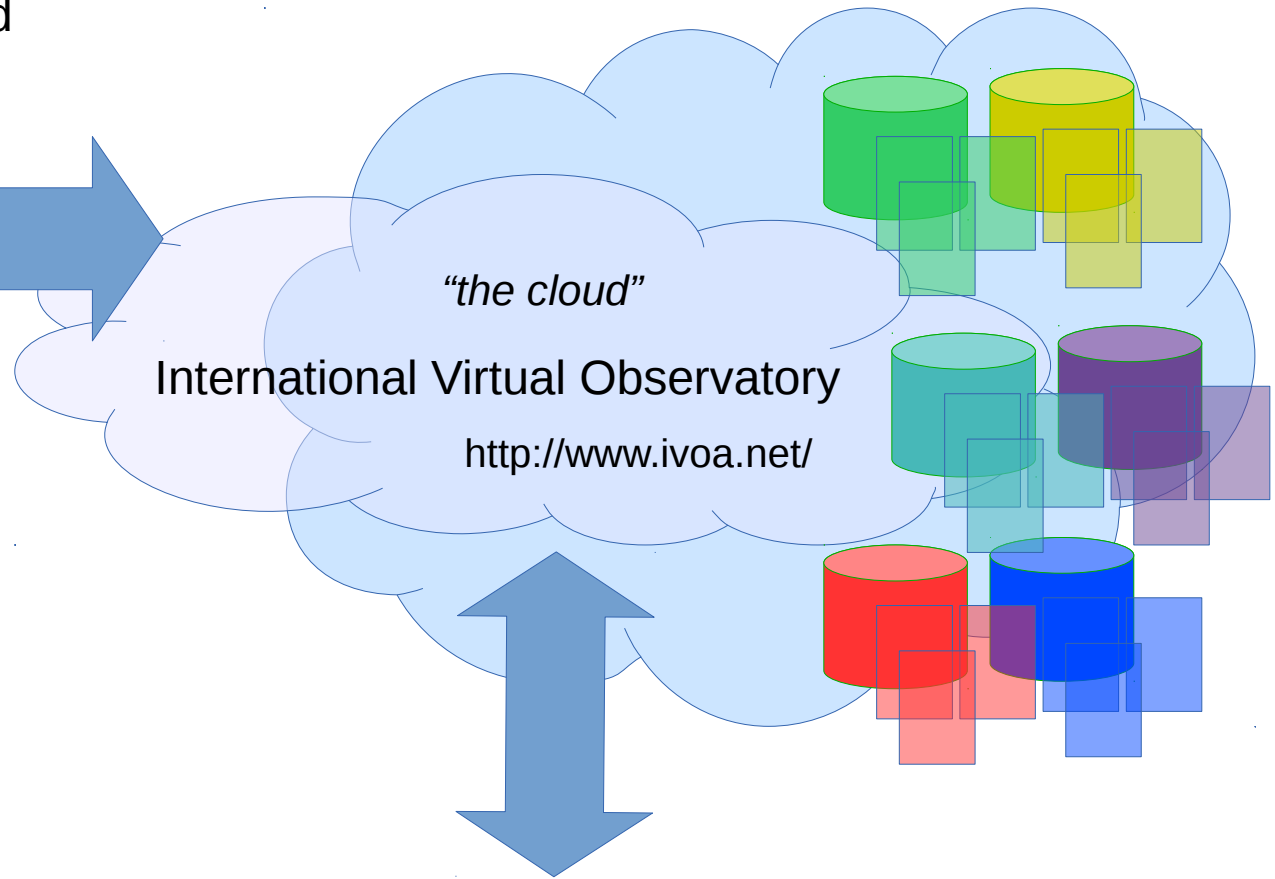
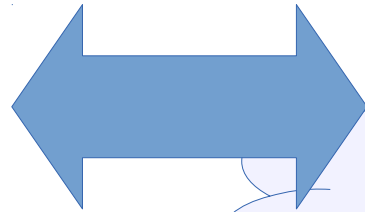
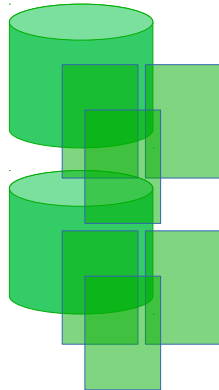


Local catalogs

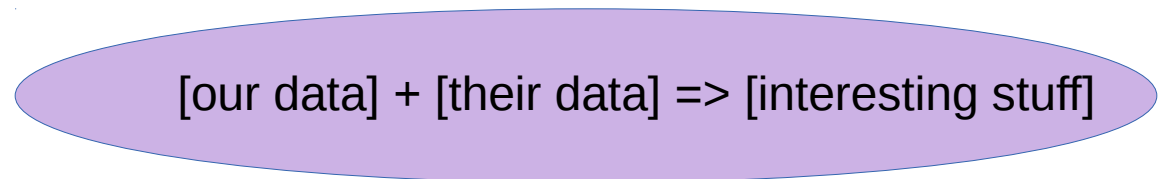


What is it all for ?

Publishing our data into the cloud



Access to other people's data from the cloud



Successes:

- Atlas OSA ADQL queries - in place (*)
- Test connection to external VO data

Opportunities:

- Influence the VO and IVOA standards
- No one else has done distributed joins yet
- No one has used ADQL to this level

Failures:

- Problems with testing SQL/ADQL compliance
- Limited progress on Gaia CU9 project

Threats:

- Verifying full ADQL/SQL correctness is open ended
- Different projects with different priorities
 - OSA Atlas - Gaia CU9

Concerns:

- WebPy support – active open source community
- ADQL is too limiting - defining and evolving the standard.
- Incompatible with SQLServer native – ongoing process of identifying and resolving issues
- Performance issues – ongoing process, more to come