



Data Access Layer

- closing plenary – Naples 2011
 - Patrick Dowler
 - Mike Fitzpatrick

TAPRegExt

- WD-TAPRegExt-1.0 was presented and discussed
 - issues have been identified
 - new WD to working group in June
 - implementations in registries: summer 2011
 - implementation in TAP services: summer 2011
- goal: RFC ~ September 2011
 - TAP services can be registered now!

DALI, PQL, and DataLink¹

- DALI
 - better understanding purpose, scope...
 - solid agreement that DALI should aim for REC
 - interested people have been identified
- goals:
 - new WD soon
 - to be used in new DAL specs when ready: not a pre-requisite

DALI

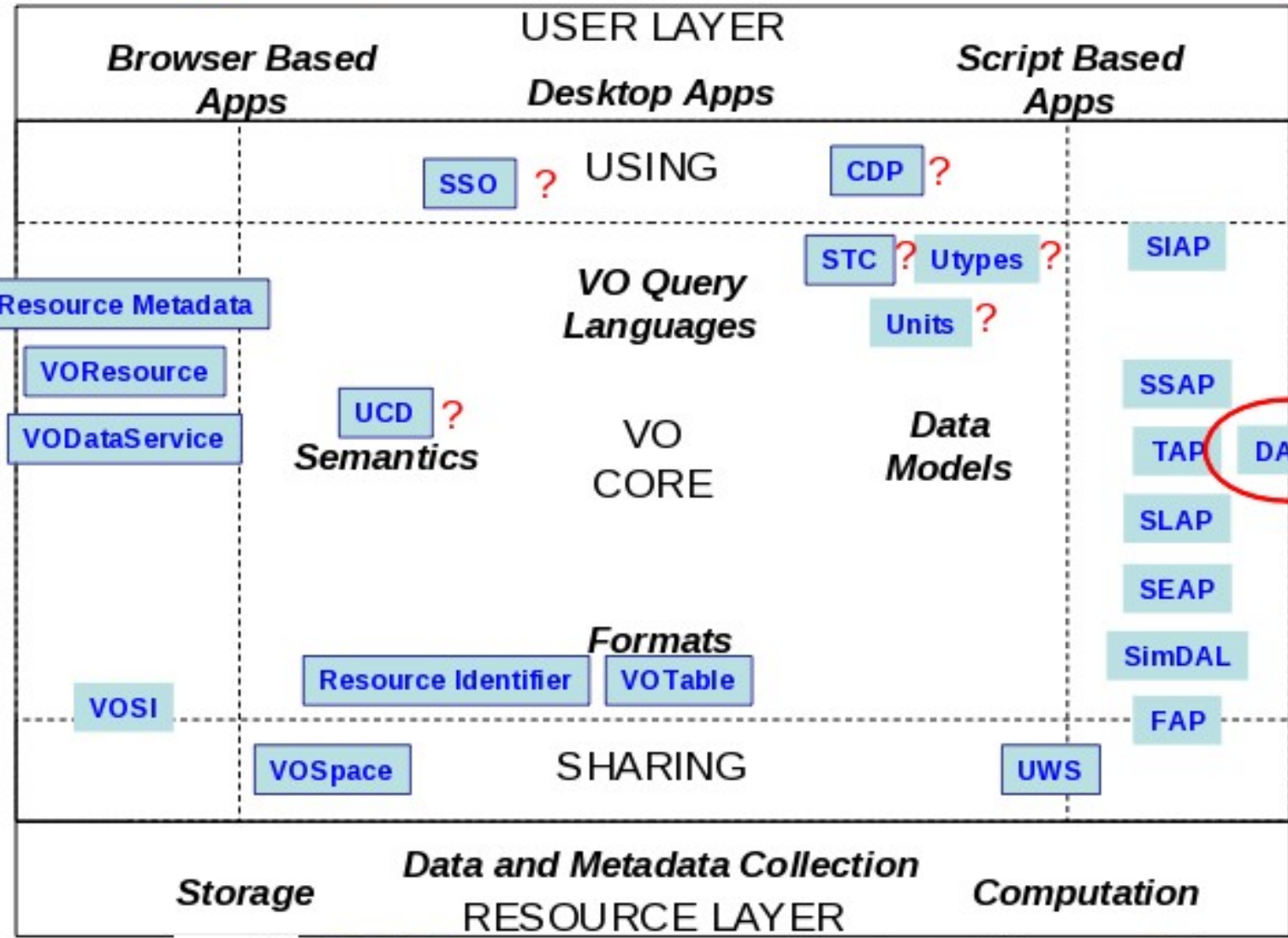
USERS



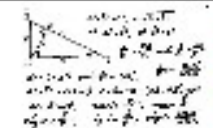
COMPUTERS

REC

InProgress



PROVIDERS



DALI, PQL, and DataLink²

- PQL
 - better understanding of scope and purpose
 - renewed interest in pursuing it, especially to solve some outstanding issues (e.g. target name searching)
 - query by utype identified as a plausible feature that would add real value
 - interested people identified
- goals:
 - new WD soon
 - implementation in TAP as soon as possible

ADQL

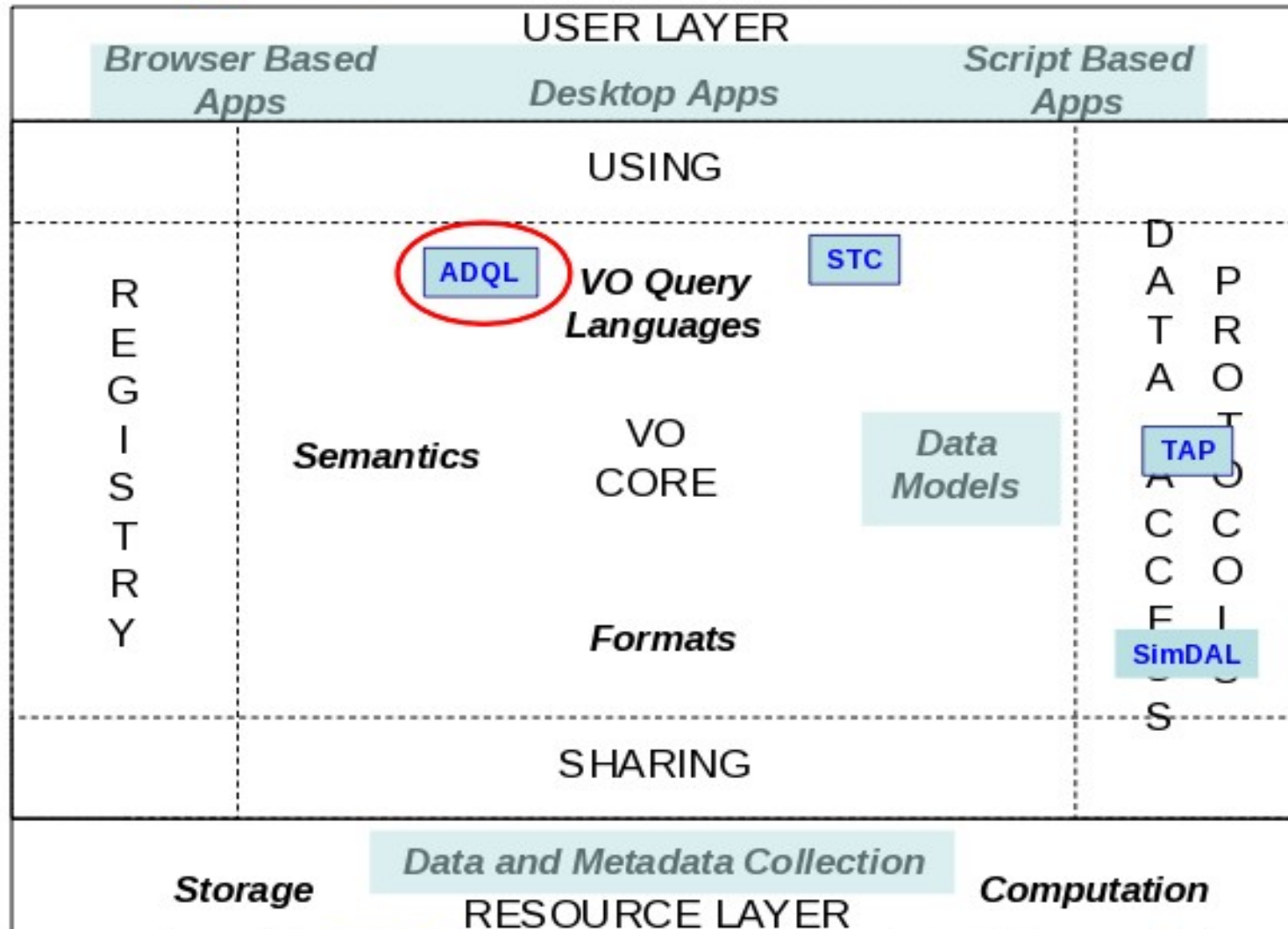
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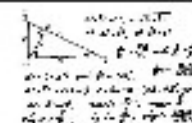
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IVOA Architecture



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PQL

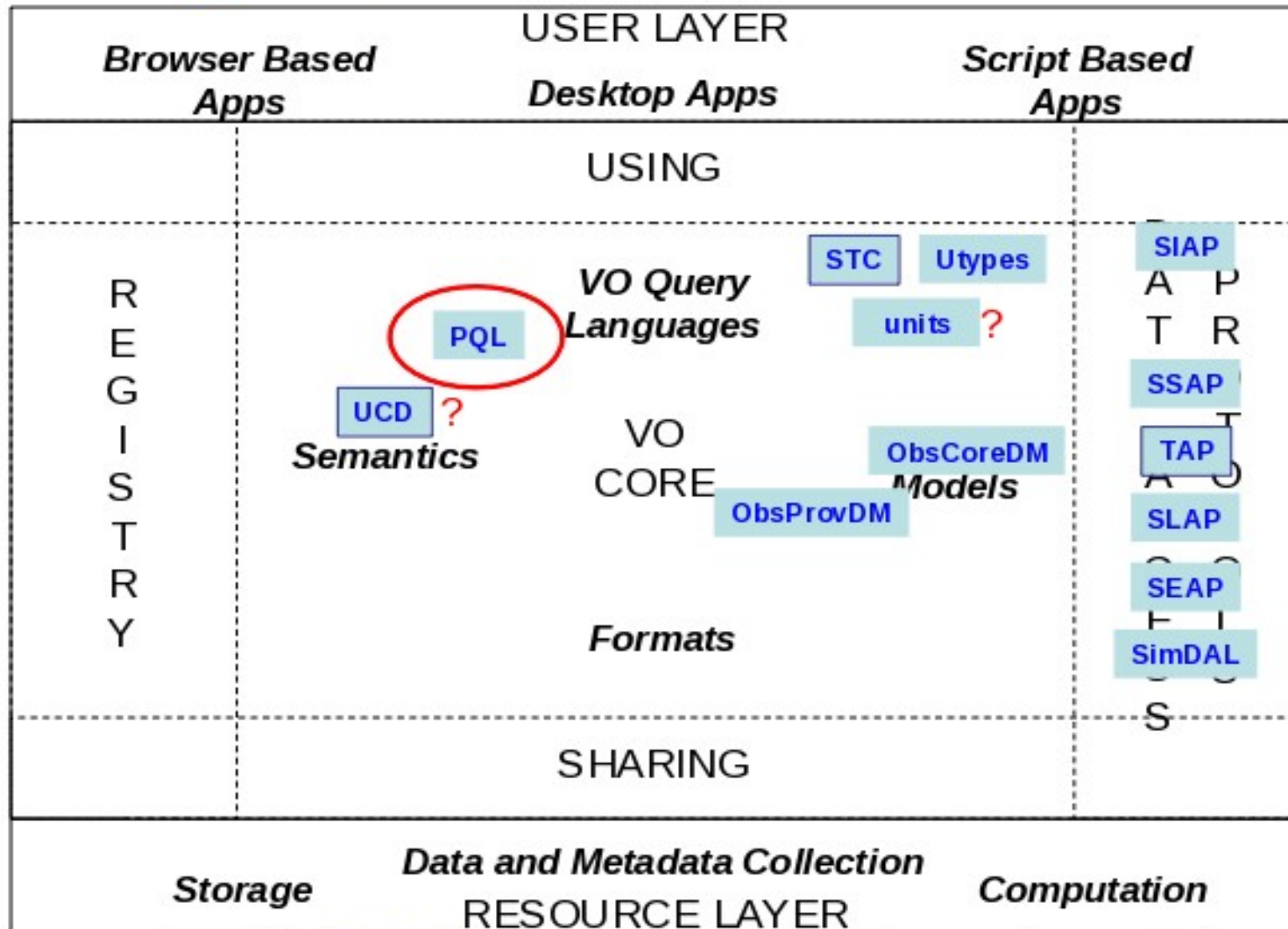
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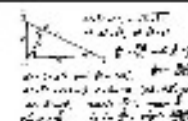
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DALI, PQL, and DataLink³

- DataLink
 - concept well understood, possibilities generated interest
 - could be used to bridge **discovery** and **access**
 - access methods in addition to full download
 - prototyping, collaboration, and practical experience required to push this further
- goals:
 - discuss on DAL mailing list -> Note
 - try to implement something in collaboration

Progress on SED Science Cases¹

- Data Access must necessarily follow Data Model development
 - PhotDM-1.0 is on track
 - SpectrumDM-1.2 is on track
 - SED-DM-1.0 is following but on track
 - a note on using PhotDM and STC in VOTable is on track
- now we have to implement and deliver services that provide this content!

Progress on SED Science Cases²

- there are several ways to find data for building SEDs:
 - fully characterised photometry measurements from catalogues:
 - TAP + PhotDM-1.0 + STC-1.33
 - fully characterised spectra:
 - SSA + SpectrumDM-1.2
 - TAP + ObsCore + SpectrumDM-1.2
 - pre-built SEDs:
 - SSA + SED-DM-1.0
 - TAP + ObsCore + SED-DM-1.0

Progress on SED Science Cases³

- no new/updated AP standards right now – and that is perfectly fine :-)
 - we will implement first and then make informed and practical decisions
 - extend where necessary
 - implement variants of services if necessary to make it work well
 - bring practical experience to the next Interop
- these services will be exposed to users
 - we must trust in our community to pull things together once we get there

DAL for the next 6 months

- roadmap:
 - for SEDs: use the new DMs and push TAP and SSA as far as we can
 - simultaneously work on things that can be added to when ready (e.g. PQL, DataLink...)
 - for the future: work on DALI and prepare for stage 4...I hear they have gelato at stage 4!