



# Data Access Layer

- closing plenary – Pune 2011
  - Patrick Dowler (chair)
  - Mike Fitzpatrick (vice chair)

# TAPRegExt

- WD-TAPRegExt-1.0 discussed
  - client and service implementations
  - new WD for working group review: Nov 2011
- goal:
  - RFC January 2012
  - REC April 2012

# PQL

- discussion leading to agreements:
  - need use cases to guide and constrain
  - query by utype is a priority
  - target audience: scripters! (not forms)
  - case-insensitive by default (w/ override)
  - simple regex, wildcards (w/ escape)
  - query by UCD would be desirable, but issues
- goal: WD-PQL-1.0 January 2012
  - prototypes developed in unison: CVO, GAVO, others? RSVP

PQL

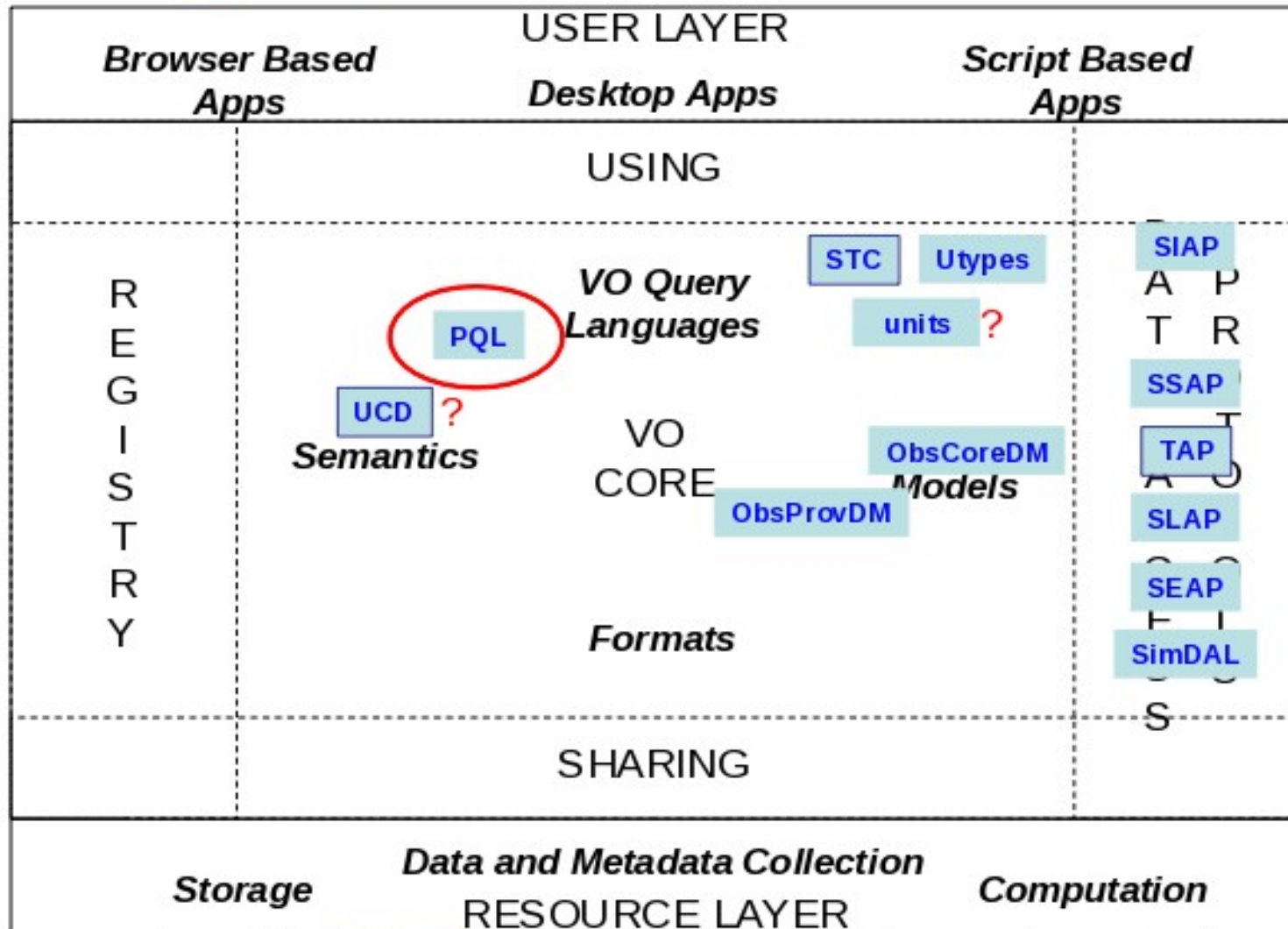
USERS



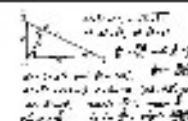
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# ADQL

- discussion of ADQL-2.0 issues
  - bugs: comments, left recursion in grammar, only allows numeric UDFs (string? geom?)
  - mis-features: coordinate systems
  - missing features: case insensitive search (e.g. LOWER)
- agreed
  - gather more input from implementors
  - consider ADQL-2.1 before next interop

# ADQL

- short discussion of ADQL-3.0 concepts
  - allow factoring
  - pipeline
  - not SQL syntax
- no roadmap

ADQL

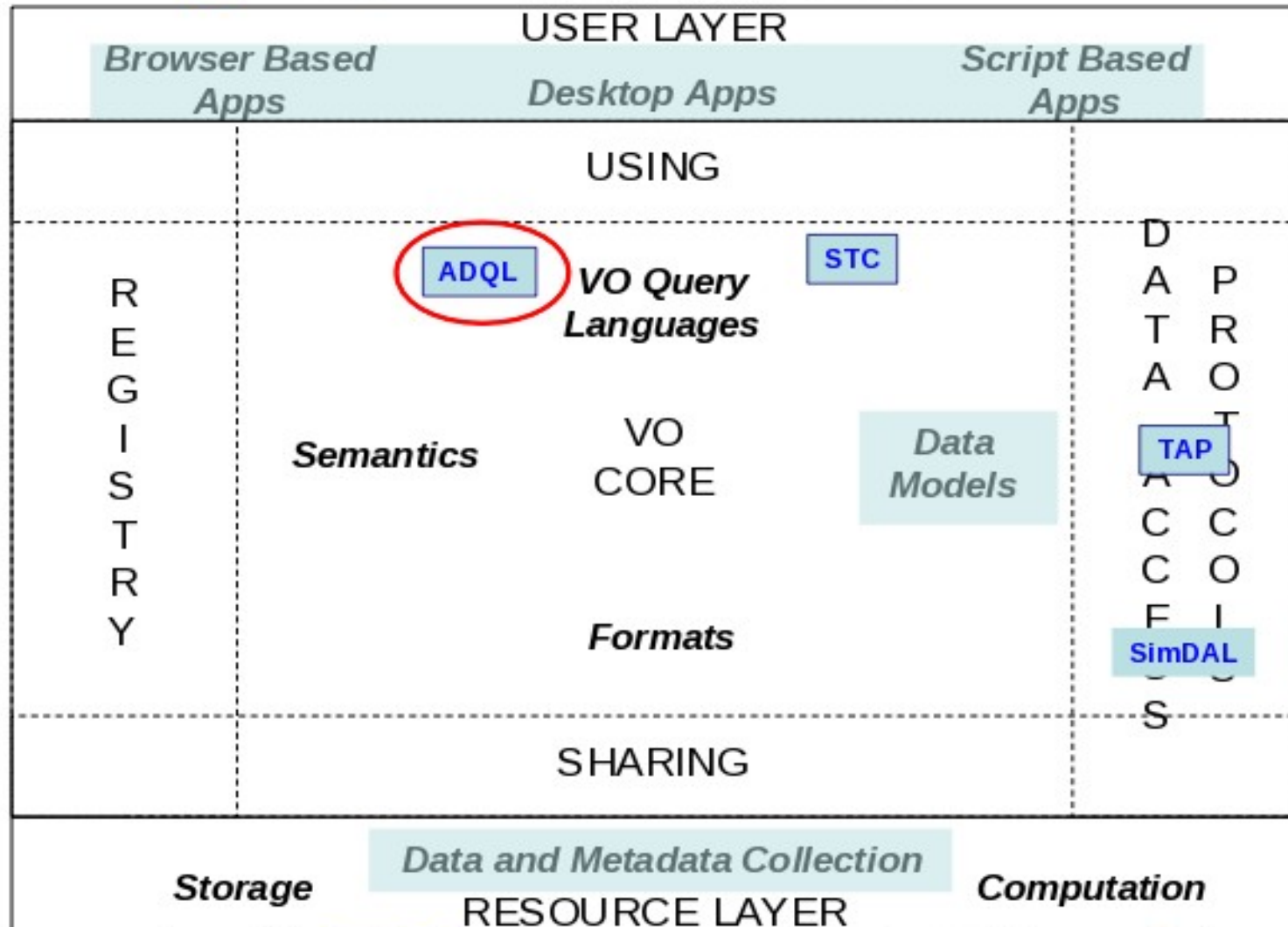
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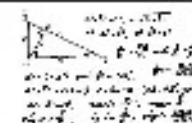
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IVOA Architecture



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# DALI

- small group -> productive discussion
- agreed:
  - flexible naming of sync and async resources
  - fix naming of VOSI resources
  - VERSION negotiation needs care
  - overflow and error reporting in VOTable to be more flexible than in TAP-1.0
  - UPLOAD added: uniform across DAL services



# DALI

- agreed:
  - ranges -> PQL
  - multiple occurrences of a param: in DALI
  - syntax of the values of params: !DALI
  - lists: not in DALI, maybe PQL
  - add some advice about usage of HTTP status codes, e.g. 503 and Retry-After
- goals:
  - WD late 2011, RFC Feb 2012 feasible

DALI

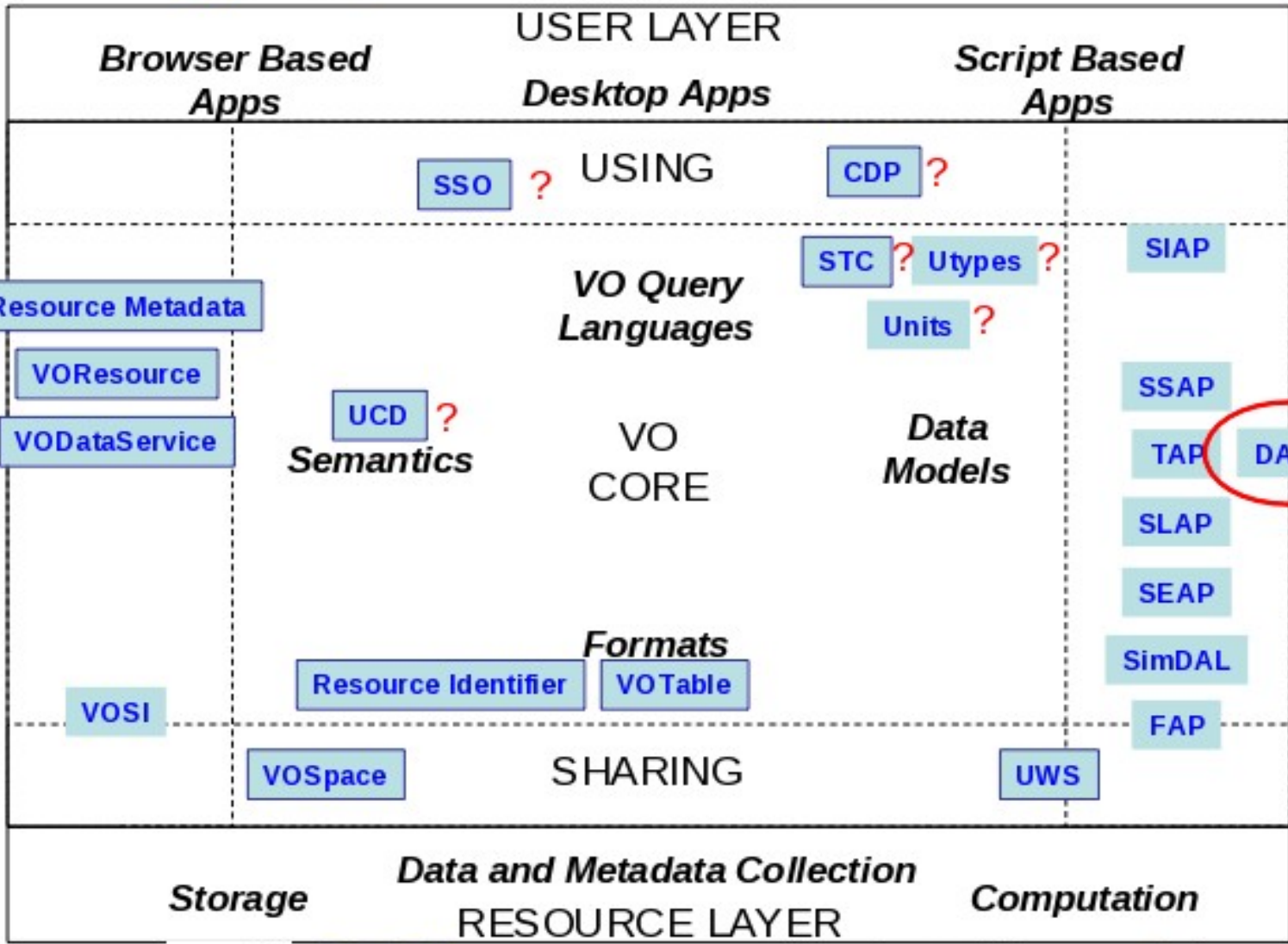
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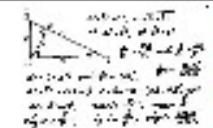
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# DataLink

- agreed on the meaning
  - it is a service that enables detailed access to data products
  - driven by the publisherDID (e.g. from ObsCore)
  - publisherDID is not equivalent to DOI

# DataLink

- agreed on the scope: from Use Cases
  - support 1 result -> N downloads
  - previews
  - alternate formats in general
  - auxiliary downloads
  - documentation
  - other services that provide access
- identified semantics will be important in describing the links

# DataLink

- roadmap:
  - small note (Bonnarel, Dowler) ~ Nov 2011
  - prototypes: CDS, TAPHandle, NRAO, CVO
  - prototype: ADS will try to use it
  - WD March 2012 feasible
  - RFC no sooner than late 2012

# DAL Roadmap

- TAPRegExt -> RFC January 2012
- DALI -> WD December 2011, RFC Feb 2012
- PQL -> WD January 2012, RFC June 2012
  - prototypes: Jan 2012
  - implementations: May 2012
- DataLink -> Note Dec 2011, WD March 2012
  - prototypes: Feb 2012
  - implementations: summer/fall 2012
  - RFC late 2012 at the earliest

# DAL Sessions

- format of sessions
  - few presentations
  - mostly open discussions
  - SUCCESS? I think so but would appreciate feedback