



# Data Access Layer

- opening plenary – Madrid 2014
  - Patrick Dowler (chair)
  - Francois Bonnarel (vice chair)

# CSP: Data Cubes

- agreed to standardise 3 capabilities:
  - query
  - metadata (was get-gory-details)
  - accessData
- together these make up **SIAv2**
- each capability will be reusable outside of SIA

# CSP: Data Cubes

- query capability
  - parameter-based querying (no separate PQL)
  - will return ObsCore metadata
  - will return additional fields from ImageDM as necessary
- use:
  - satisfy ~90% of data discovery use cases
  - more implementation options than TAP+ObsCore

# CSP: Data Cubes

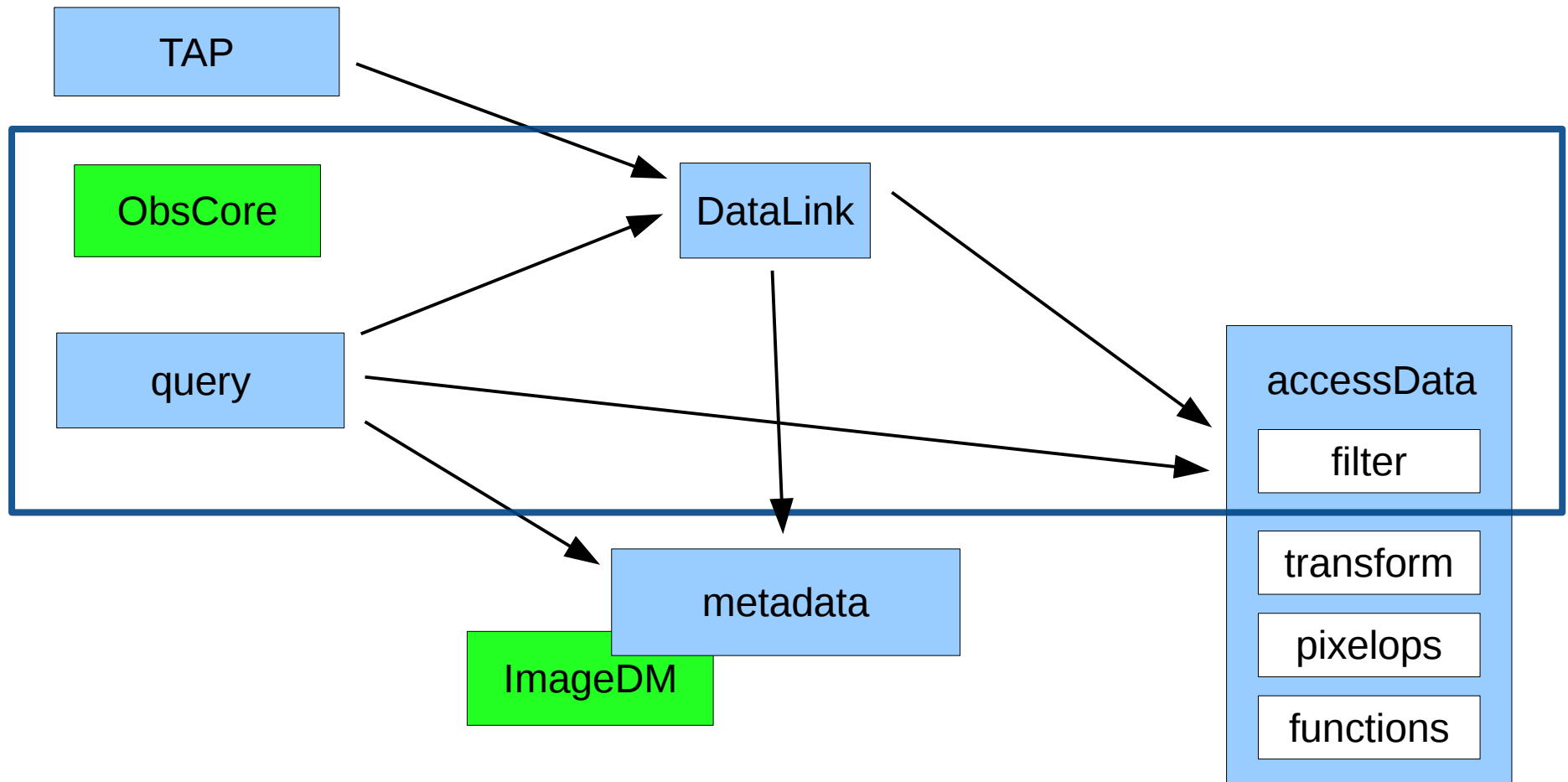
- metadata capability
  - single parameter identifying the data (publisherDID)
  - returns complete ImageDM metadata for a dataset
- use:
  - needed to plan/execute more advanced accessData operations
  - one of the links in DataLink response
  - directly in query response

# CSP: Data Cubes

- accessData capability
  - access to a single file or dataset (TBD)
  - single resource accepts and processes a bundle of access operations
    - filtering, transform, pixel operations, functions
  - one of the links in DataLink
  - a virtual data link in query response
- start with filtering (subsection) and add more features in subsequent versions

# CSP: Data Cubes

data discovery → data access



# Documents in Progress

- WD-DataLink-1.0-20140505 (Wed 17:00)
  - list of links in VOTable
  - separate RDF vocabulary to describe links
  - general purpose service descriptor resource for VOTable
- DAL-WG review: started with previous WD on 2014-02-28
- REC in early 2014: missed due to work in fully defining and prototyping service descriptors
- RFC-ready now, but could be tweaked

# Documents in Progress

- WD-SIA-2.0-20140512 (Monday 17:00)
  - query capability: CSP query use cases
  - metadata capability: SIA-2.1
  - issue to discuss: UPLOAD
- WD-AccessData-1.0-20140312 (Tues 17:00)
  - supports cutout in position, energy, time, pol without need for metadata: CSP use cases
  - no clear consensus on how much of this can/should be standardised



# TAP-1.x

- open discussion on the evolution of TAP and related standards:
  - ADQL
  - UWS
  - TAP itself
- based on real-world experiences
- Monday 15:00