



Data Access Layer

- closing plenary – Heidelberg 2013
 - Patrick Dowler (chair)
 - Mike Fitzpatrick (vice chair)

DataLink

- **WD-DataLink-1.0 in June 2013**
 - agreement on all issues
 - current notes will be merged into WD
 - DAL-WG review: July 2013
- **PR-DataLink-1.0 in August 2013**
 - RFC period: August–September (6 weeks)
 - TCG review: October 2013
- **REC-DataLink-1.0: late 2013**

STC-S

- since the Urbana interop, DAL is charged with making this a recommended standard
- **WD-STCS-1.0: July 2013**
 - implementations
 - DAL-WG review: October 2013, after Hawaii
- **PR-STCS-1.0: October 2013**
 - RFC period: November 2013
 - TCG review: January 2014
- **REC-STCS-1.0: March 2014**

CSP: Time Domain

- identified basic discovery and access requirements
 - discoverable in TAP+ObsCore
 - prototyped with SSA-1.1-like service
 - need a new standardID for registry search
- goal: a small standard that references
 - SSA-1.1 (for service spec)
 - SimpleTimeSeriesDM-1.0 (for utypes)
 - probably no new parameters
- **WD-TSA-1.0: authors from TDIG and DAL**

CSP: Data Cubes

- identified capabilities, further refined and prioritised by the users representatives
 - discover archival cubes
 - selection & download of complete cubes
 - extract subsection of cube
 - sum (or avg?) along one or more axes
 - re-bin in one or more axes
 - multiply by a function (scaling, non-constant)
 - other operations...

CSP: Data Cubes

- next steps: rough draft of required capabilities
 - telecons + mailing list discuss (June)
 - draft on mailing list, starting in June 2013
 - implementations at several sites: summer 2013
- informed discussions & decisions @Hawaii
 - determine required WD documents at this time

DAL Roadmap

time

DALI

DataLink

STC-S

time

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STC cutouts

flattening along axis

PQL

queryData

ImageDM

rebinning

precision (pixel) access

SimpleTimeSeriesDM

TSA

cube arithmetic

source finding?

time

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ObsCore-1.1?

TAP-1.1?

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ADQL-2.1?

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SpectrumDM-2.0

SSA-2.0?

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SSA-2.0?

source finding?

Where is SIAv2?

time

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SSA-2.0?

source finding?

- “rough consensus and working code”
- Thank-you to Mike Fitzpatrick for his support and insight over the past 3 years