1. VODataService ready for RFC?

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- Reminder: History
- Dropped for 1.2: Enhanced column metadata
- What's happened since College Park
- New on board: DALIInterface

(cf. Fig. 1)

2. Reminder: History

VODataService is an effort to cover new registry use cases:

- What services have data for the Crab nebula covering the Hα line taken in the second half of 2015?
- Find all ObsCore services publishing data taken at the Telescope X.
- Find a large survey of sources between 20 and 40 GHz.
- Facilitate discovery of full DALI services
- Find a resource that has sources in M51 down to 27 mag in V.
- Plan a cross-service query.
- Find services serving time series.

The greyed-out use cases have been given up since College Park.

3. Given up

VODataService got a good deal more urgent because of its central role in the Caproles business.

Interest in having richer column metadata – ranges? value enumeration? histograms? null ratios? – has been very limited.

So, rich column metadata is postponed.

So are the associated use cases.

4. Changes since College Park

```
VODataService $ svn log -r '{2018-11-05}:HEAD'
------------------------------------------------------
VODataService $
```

5. Changes since College Park

Well: There's been the A&A meeting in Trieste and caproles coming out of it.

So, unless there's uproar, first thing when I'm back I'll put in

- A `DALIInterface` type. . .
- . . . derived from `vr:Interface`
- . . . plus string-valued `endpoint` children.

Meaning: vs. `vs:ParamHTTP`, there are no params any more, no testQueryString, no resultType.

That's the price we have to pay for complex interfaces in a simple description. Are you willing to pay it?

6. Coverage takeup

VODataService's most dramatic new feature is STC coverage.

Unfortunately, there still are almost no records giving them.

See rr.stc_spectral and rr.stc_temporal on http://dc.g-vo.org/tap.

For stc_spatial, I'm still harvesting footprintURLs now and then. Meh.

Please try if VODS 1.2 STC coverage works for you!

7. Towards RFC

We need (or so I think) reference implemenations for

- Generation and use of coverage.
- CatalogResources and auxiliary capability-based discovery.
- nrows on table and its use in discovery (RegTAP 1.2?).
- moving away from TAPType.

Talk to me if you're in!