1. Vocabularies 2 and DAL

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Vocabularies 2 has taken shape – what's in it for DAL?

- Datalink VEPs
- .bysemantics in pyVO
- data product types in obscore (and datalink?)

(cf. Fig. 1)

2. Datalink VEPs

See VEPs[1] – they're all on Datalink so far.

My take: the discussions leading up to #coderived and #counterpart were really productive and greatly helped figuring out what "we" actually meant.

No reactions on VEP-006 yet: If you roughly agree and nobody else has signalled agreement, just posting a +1 is already helpful. Even for something as harmless as VEP-006 it's really helpful to know that someone else has at least briefly thought about it.

Thanks a lot to all who contributed to the VEPs, in particular to François!

3. .bysemantics PR

PyVO PR #241[2] will make it so by default, when querying by semantics, you'll get the entire branch.

So, `X.bysemantics('#calibration')` will give you #bias, #flat, and #dark too.

Please comment (and perhaps help out).

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[1] https://wiki.ivoa.net/twiki/bin/view/IVOA/VEPs
[2] https://github.com/astropy/pyvo/pull/241

4. Data Products

Obscore has a `dataproduct_type` column. So far: Content constrained by a human-readable "should" in sect. 4.1. Proposal:

- allow extensions without revisions of the Obscore REC
- possibly allow for hierarchy (photo-timeseries is-a timeseries)
- make legal terms machine-readable
- Allow out-of-obscore reuse

Result: http://www.ivoa.net/rdf/product-type. Might become endorsed with SimpleDALRegExt. Perhaps Datalink material?

Because it's been asked in the session: You can already try to do the sort of semantics-aware querying that hierarchical product types would require on the TAP service at http://dc.g-vo.org/tap, for instance

```
SELECT TOP 5 * FROM
ivoa.obscore
WHERE
  1=gavo_vocmatch('product-type', 'timeseries', dataproduct_type)
```

5. In Closing

Please review Vocabularies in the VO 2.

Thanks.