

SIA2/SODA upgrades and Extending SIA2 into a generic DatasetAccessProtocol

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on behalf of SIA/SODA authors



SIAP2/SODA

SIA : April Interop DAL session and sprinter results

- Agreement for errata
 - To be prepared (FB)
- Agreement to extend next SIA scope to all types of datasets, including spectra, TimeSeries, visibilities and (spatially sharded) catalogs
 - Change the name : DatasetSAP/DsSAP, SDA/SDAP, DAP(dataset access protocol)
 - Create a new github project instead of working on SIA2 project ?
- Self description of service for list of supported STRING parameters
 - Change to MUST for self description
 - Root URL request ?
 - MAXREC=0 ?



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SIA : April Interop DAL session and sprinter results

- Adding a MOC parameter
 - Will be an STMOC (MOC 2.0) :
 - MOC = 2/12-14
 - MOC = t61/1 s29/0-2 t61/3 s28/0
 - To be checked if consistent with DALI



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SIA : April Interop DAL session and sprinter results

- Case sensitivity to be ignored
 - Depends of the underlying model.
 - For exemple DPTYPE could be insensitive, but FACILITY or COLLECTION not
- Wildcarding
 - Pat said may be difficult. Why ? Multiple parameters instead ?
- RELEASEDATE parameter
 - How to manage optional params ?
 - Ignore it ?
 - Empty result ?
 - Error or warning ?



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SIA : April Interop DAL session and sprinter results

- One shot cutout discovery (rely on a coupled SODA service) ?
 - Pros : direct access to cutouts in script/notebooks context
 - Pros : creation of images from all sky datasets (eg HiPS)
 - Cons : redondant with service descriptor (inside service response)
- Variant : One shot rebin/reproject/excerpt
 - See above and SODA



SODA

- Errata (before interop → FB)
- MOC parameter / as in SIA/DAP
- Rebin/reproject : change the sampling or the sky projection
- Choose dataproduct_type of retrieved data
 - Extract spectrum or image from cube
 - Extract TimeSeries from catalog
 - Etc...



SODA

- Multiple Id / Parameter crossing
 - How to manage that ?
 - POST + tar file with results ? → Vialectea implementation.
- PIXEL cutout
 - Assumes we know pixel ranges
 - On all axes ?
- Metadata extraction (fits header, ObsCore extensions, provenance?) with new parameter ?

