AccessData
Status of the discussion

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AccessData

- distant extraction / transformation of datasets
  - Access and select excerpts of distant data as if they were on the local disk
    - ->Spatial Cutouts and channel selection
    - ->Resample, regrid, change orientation, combine channels, compute moments

AccessData

March 2014 draft

- based on syntax similar to SIAV2
  - POS = CIRCLE 25.0 +10.0 0.3
  - BAND = 0.20 / 0.22 (same for TIME.)
  - POL = Q
  - SELECT and COORD for other PARAMETERS (REDSHIFT ? SIMDAL ?)
- Benefits:
  - Discovery and access are in a workflow (« ROI » in discovery becomes « contour » in cutout)
  - Possibility of Multiparam query
  - POS = CIRCLE obj1 R1, POS = CIRCLE obj2 R2, etc…
  - Extensibility for next versions

Potential Issues developed on the list (Markus + a few support)

- Poor parameter value description
  - Semantics , ucd ?
  - Units ?
  - Type/format
- Multi service query difficult
  - SSA bad experience specialy for custom parameters
- Proposal of 3 attributes atomic parameter description : name, ucd, unit + only basic types ($\rightarrow$no more format problem)
  $\rightarrow$ ranges need two parameters

AccessData: build a consensus

- **Side meeting last Monday (October 6th) in Calgary**
  - Scientists (CSP), data providers, DAL experts, TCG lead : M.Allen, F.Bonnarel, Markus Demleinter, Pat Dowler, S.Gaudet, Mark Lacy, Felix Stoehr, D.Tody

  - Conclusion reached so far:
    - Keep the original draft syntax (so, no atomic basic type parameters)
    - add ucd, unit, basic type is completed by an xtype.
    - Same syntax for Standard and custom parameters
    - description in the « service descriptor » in {query} responses or {links} responses.
    - Where else ? (FORMAT = metadata)
    - Restrict multiparam to async mode
  - Revised version of the draft soon: Pat Dowler, Markus Demleitner, Doug Tody and François Bonnarel

Open questions

- SELECT and COORD for Simulation parameters
- Adapted to SPARSE CUBES ?
- REDSHIFT AXIS : will come with Obscore 1.1? Something to do before ?
- PIXEL cutout easy to add