

Characterisation 2.0 : Need, status and schedule

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the Characterisation 2
group

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Status

- Draft posted in August, no comment yet except internal
- Xml schema not yet posted
- Utype list missing
- Ongoing new version (working on it this week)



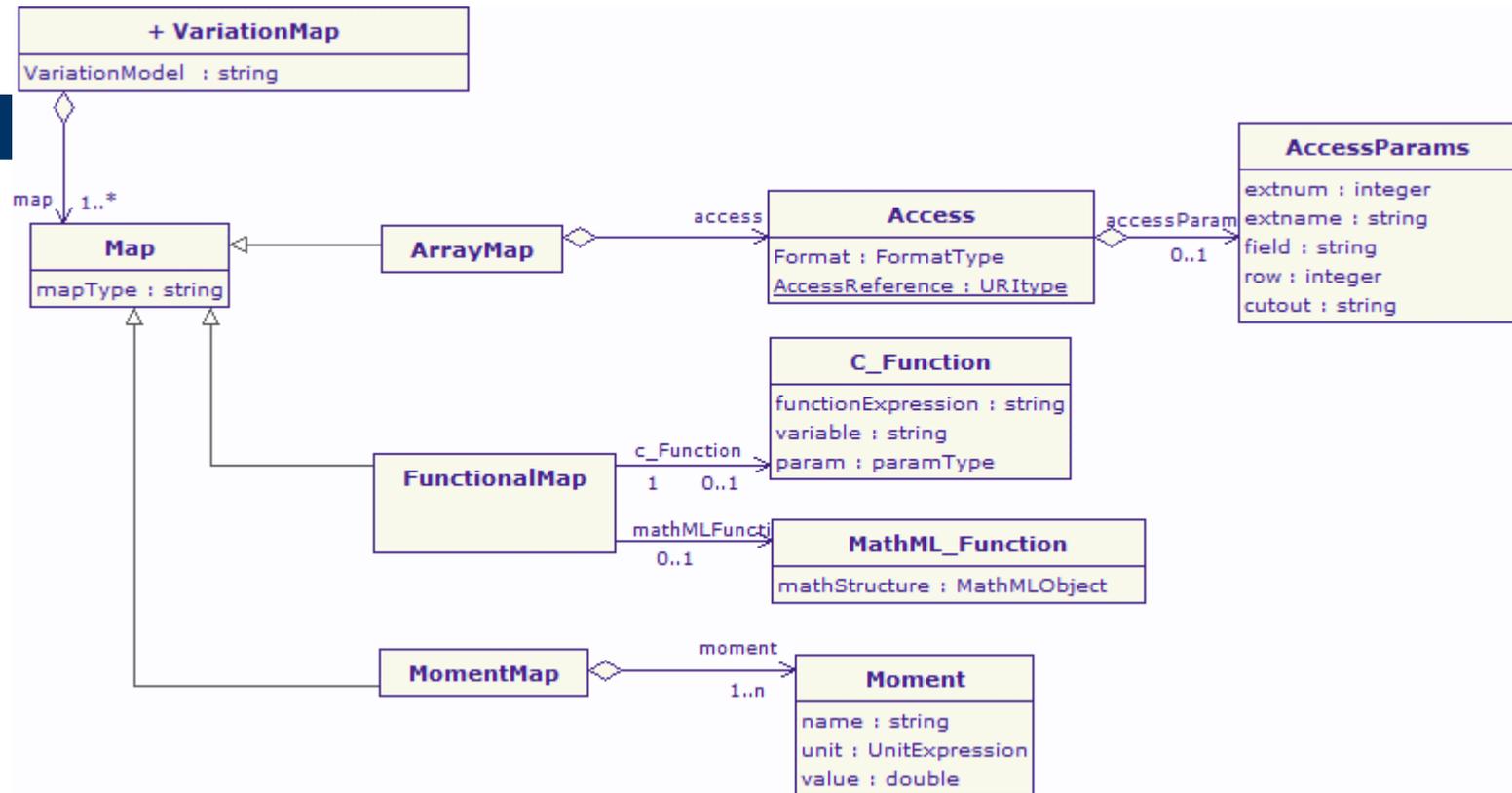
Why do we need a new version, actually ? Isn't characteristic DM a recommendation ?

- New features, use case driven
 - Concepts identified at the very beginning and missing in version 1
- Cosmetic Changes due to uprising of Obstep...
- New xml schema using IVOA derivation rules



Variation maps for characterisation properties (char « level 4 »)

- It works
 - we have « Best spectral fitting » service (Igor) based on that ...
 - Other fitting algorithm based on resolution maps can be driven
 - See other user cases : next talk





Changes used in Obscore

- Polarization (now in Obscore)
Special axis: because of discrete list of values
 - Enumerated list
- Velocity axis
- FluxAxis and ObservableAxis (obscore)
- Various Attribute names here and there for more consistency -----> consequence on utypes

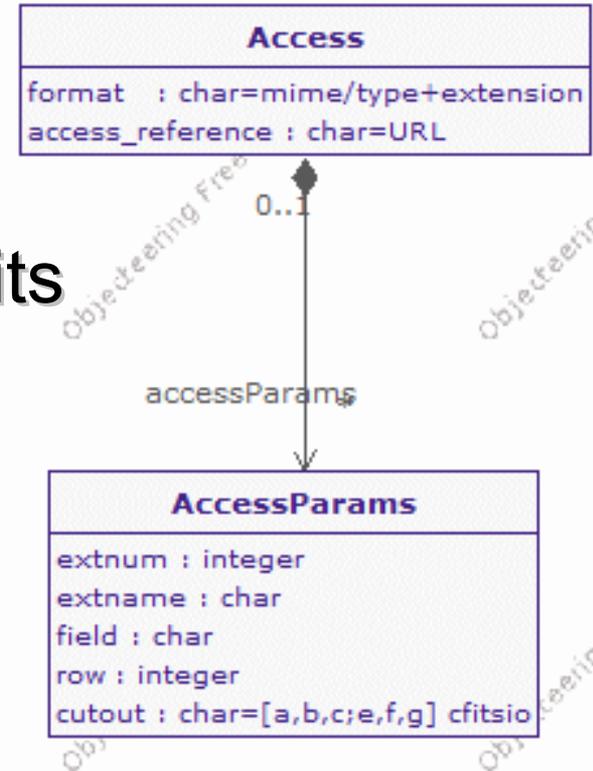


Extended Access

- Based on Access Package (SSA, Obstep)
 - Adding description of internal structure
 - UML diagram
- Could be reused by DataLink and Provenance
- Should it be independant package / model ?
 - Start a separate effort ?

Access object example

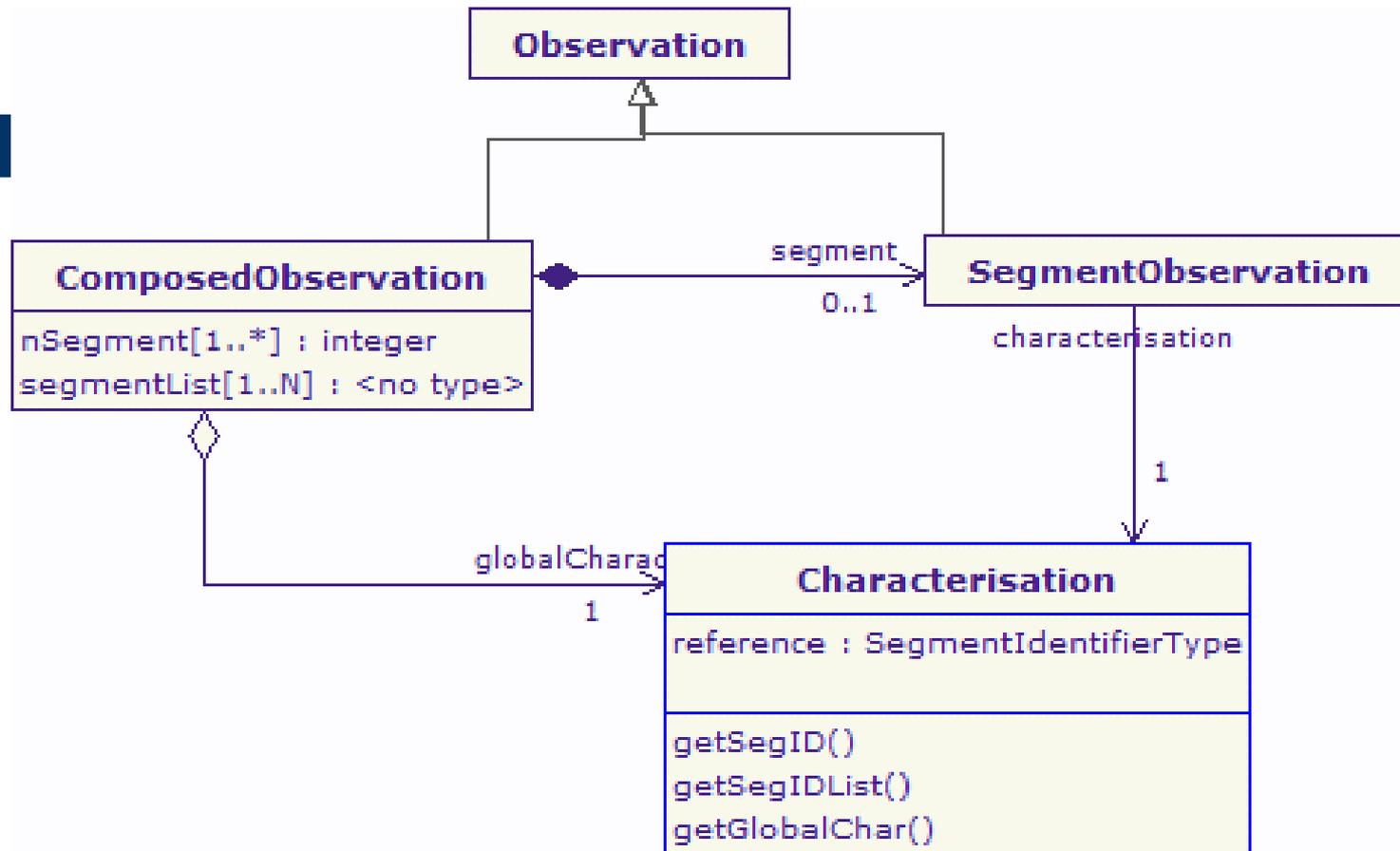
- Resolution variation of a spectrum:
 - Format = fits.table
 - AccessReference: <http://a.org/1.fits>
 - extnum = 6
 - field: DISPERSION
 - cutout: NULL
 - row: NULL





Composed dataset issue

- Composed data:
 - « dataset with composed support on one axis and where other properties and Axes are segment dependant »
 - CCD mosaics images
 - MultiPolarization images
- Is that a complex observation ?





Char2 roadmap

- Cleaned version + xml schema by November 1st ...
- Co authors ? Juan de ? Alberto ? Omar or Jesus ? Others ?
- Iteration with co authors January 2012...
Working draft 0.9