Characterisation 2.0 : Need,status and schedule

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Status

- Draft posted in August: new version nearly completed

- Xml schema : work going on . Using an extension of Stc (common with spectrum for photometry)

- Utype list Really urgent

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

- New features, use case driven
    - Concepts identified at the very beginnig and missing in version 1
- CosmeticChanges due to uprising of Obstap...
- 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

- We can have

Changes used in Obscore and spectrum

- Polarization (now in Obscore ....), Velocity axis , FluxAxis as and ObservableAxis

- Various Attribute names here and there for more consistency -----> consequence on utypes

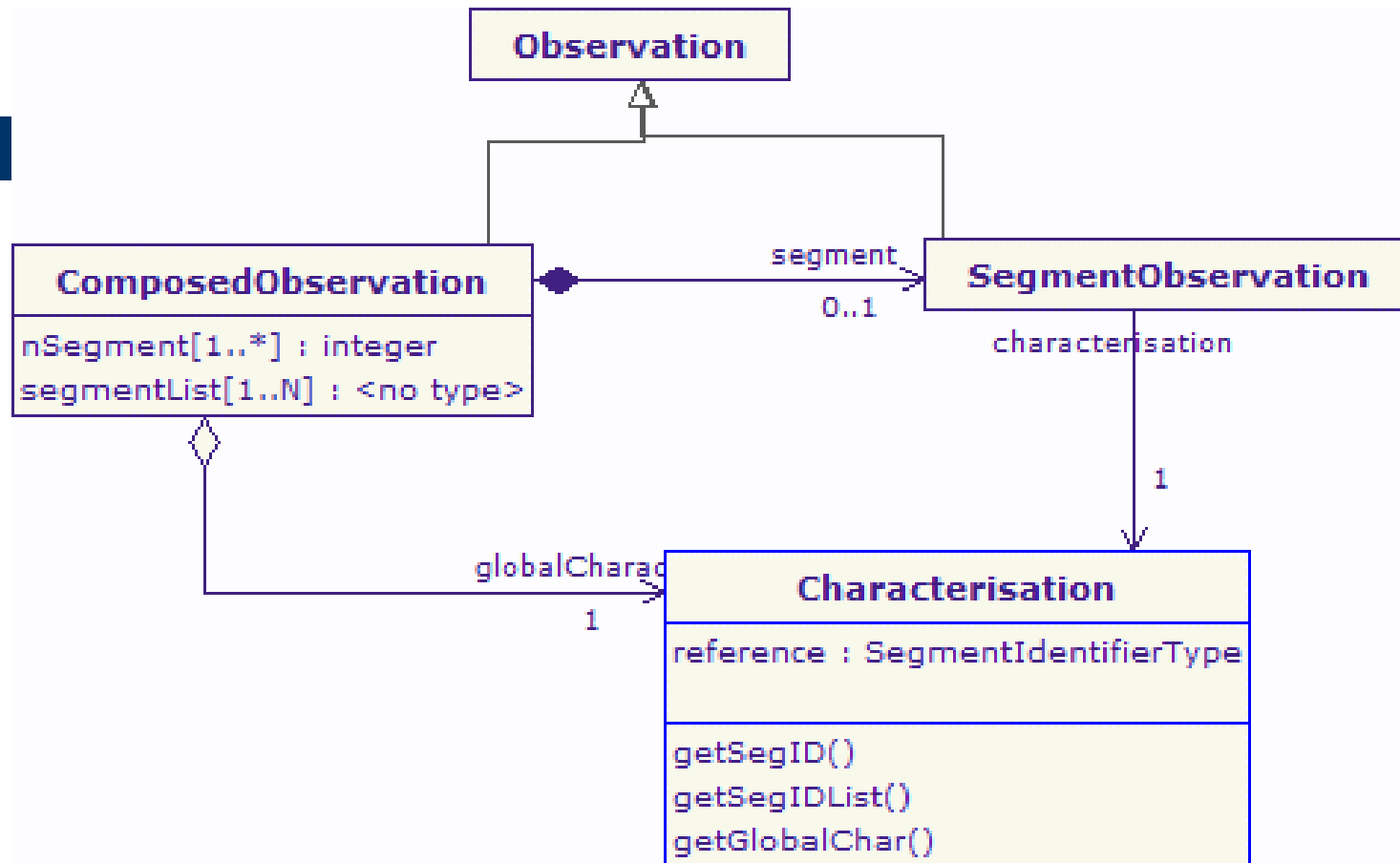- FluxAxis will reuse a new CoordFrame built from Photometru Data Model

Extended Access

- Based on Access Package (SSA, Obstap)
  - Adding description of internal structure
  - UML diagram
- Is reused by DataLink (and could be by Provenance)

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
  - Two « roles » for characterization class

Characterization of radio data (CSP demand)

- Velocity axis is there (for x,y,velocity cubes)

- Polarization data

  - Polarization axis : gives the enumerated list of

  - each polarization state has its own 'segment characterization » (composed data) with a specific flux axis

- Visibility data :

  - Define a uv plane spatial axis

  - Simple/Complex visibillities by using one/several Observable axes

- Need real datasets for prototyping: any ?

Roadmap: Char2 splinter session tommorrow?

- Wednesday afternoon ?

- Radioastronomers ?

- NB: Provenance has kept quiet since Pune