

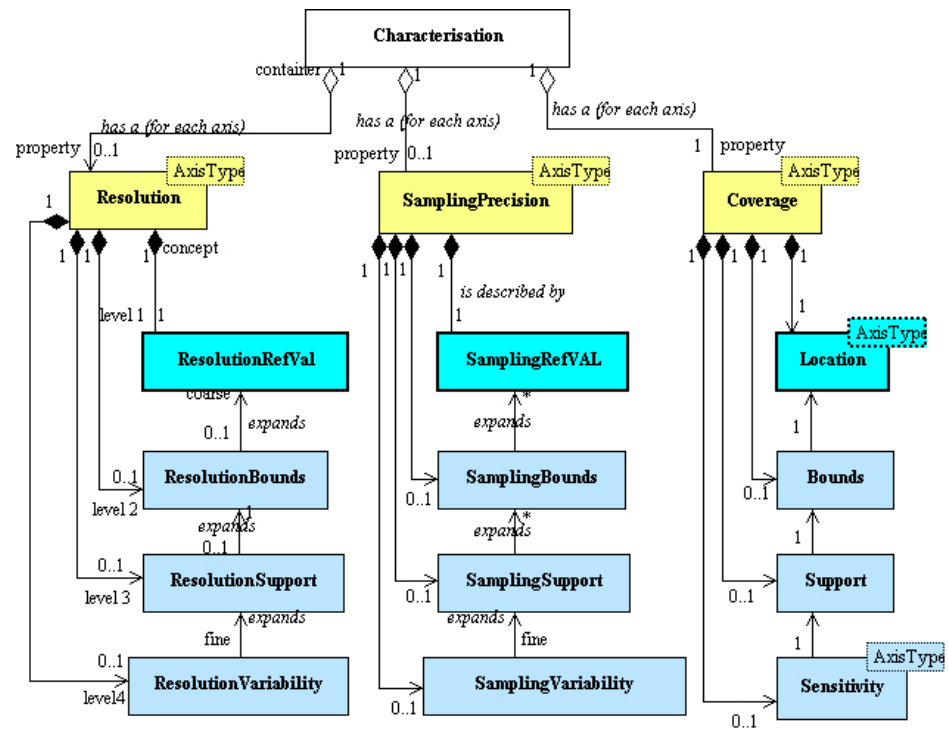
# Characterisation data model 2.0 (char upgrade)

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project

# Motivation: use cases for data analysis in VO context

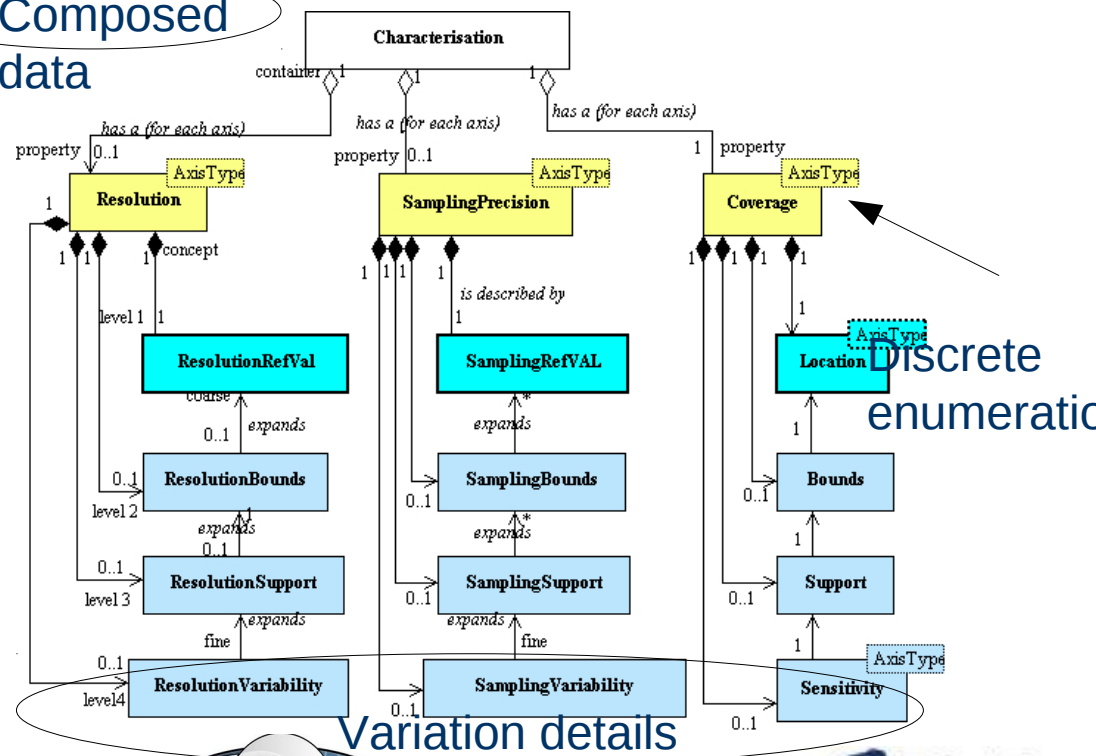
Where do we  
complete the model ?



# Motivation: use cases for data analysis in VO context

Where do we complete the model ?

Composed data

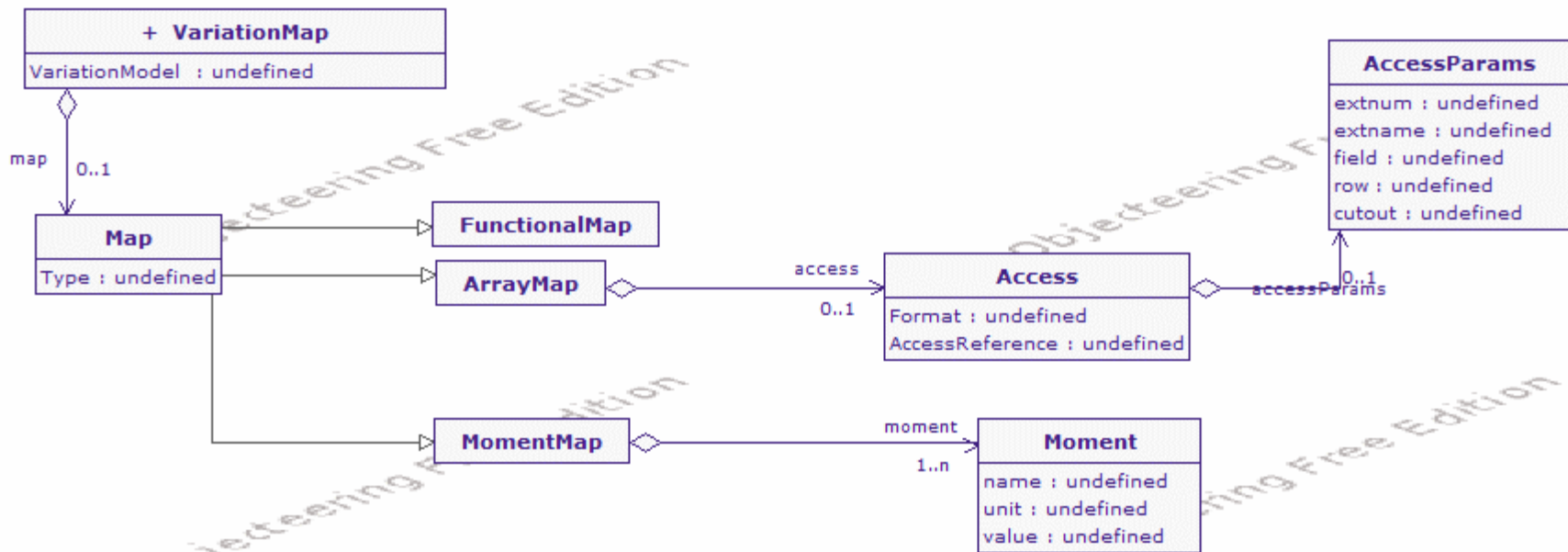


# Variation maps (level 4)

- Various ways of describing one of our « properties » variation along each axis: resolution, sampling or coverage
  - Functional map : description of the variation, using for example MathML (Igor, Thursday)
  - Access to external data set (see below)
  - Moment Map



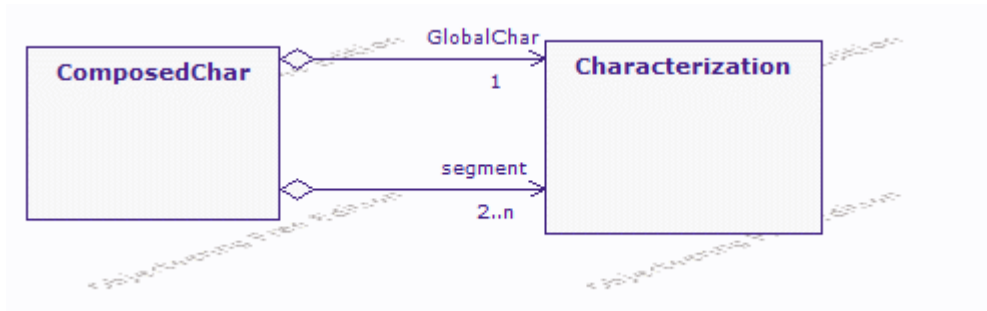
# Variation maps (level 4)



# Composed data

- The idea is to have a main « global » characterization (typically level 1 and 2) and several segment charac
- Valid for
  - individual « images » in a Mosaic (WFPC2)
  - Each polarization state flux characterization

# Composed data



# Miscellaneous

- CharAxis to allow enumeration of discrete values instead of coverage (Polarization states, bands .....
- PSF description as a possible alternative to FWHM as Resolution.refval (level 1)



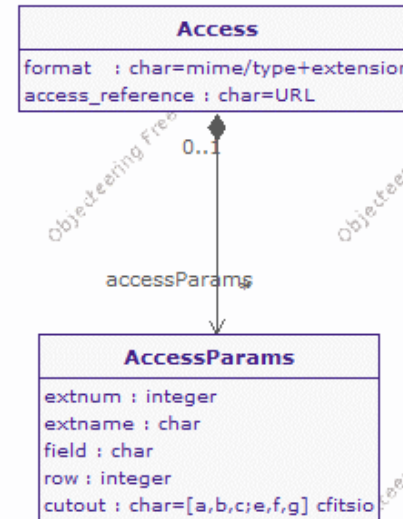
# Extended access class

- The goal is to describe the fine structure of a file (FITS and VOTABLE case)
- It is an extension of access in spectrum and Obs DM Core components
- Reuse of format and access\_reference
- Adding AccessParams : extension number or Name, subarray, FIELD name , etc ...



# link to resolution variation map and access class

- Resolution variation of the spectrum:
  - Format = mef.table
  - AccessReference: URL
  - Extnum = 3
  - Cutout : NULL
  - ROW : 50



# New version of Xml schema (1.91)

- Three goals:
  - Adapt (few) names from feedback from Obstep (shorter some times)
  - Take into account new model features
  - Apply « good IVOA Rules »
    - Remove public elements
    - Replace substitution group by extensions of basic types
    - Better distinction between role/



# Status

- UML
- New xml schema
- WD 0.1 </home/bonnarel/Bureau/Lien vers Documents/Char2.pdf>
- Who Joins ?

