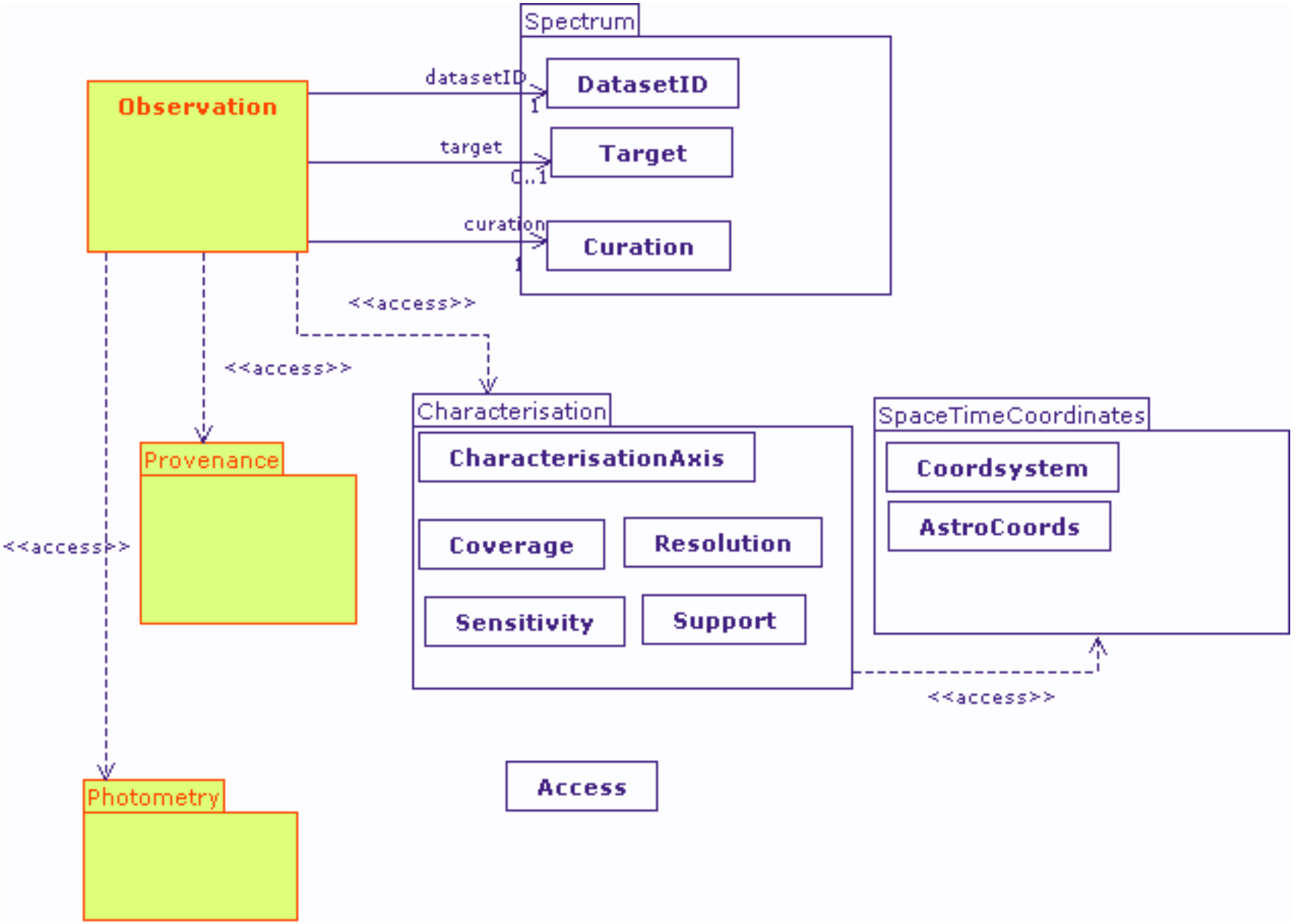
Strategy for Data models

DM session 1

Monday OCT 27th

Observation DM

- Spectrum DM and Characterisation DM are now stable and have many implementations .
- Most components are reusable for Observation
- This strategy is compatible to DAL Interface architecture
  - Generalise existing observation types
- Coordinates are modeled with the Space Time Coordinates DM, and serialised via STC-X or Utypes


Spectrum
Observation
datasetID
1
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target
0..1
Target
curation
1
Curation
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Characterisation
SpaceTimeCoordinates
Provenance
CharacterisationAxis
Coordsystem
AstroCoords
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Coverage
Resolution
Sensitivity
Support
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Photometry
Access

Requirements for reusability

- Simplify names : classes attributes → Utypes

  See Utype discussion in DM2 session

- Develop many prototypes to test possible combinations on various kind of observations

- Keep a general Provenance *core model* for all regimes and derive specific DMs for specific regimes :

  Radio observation need a different observing configuration description