



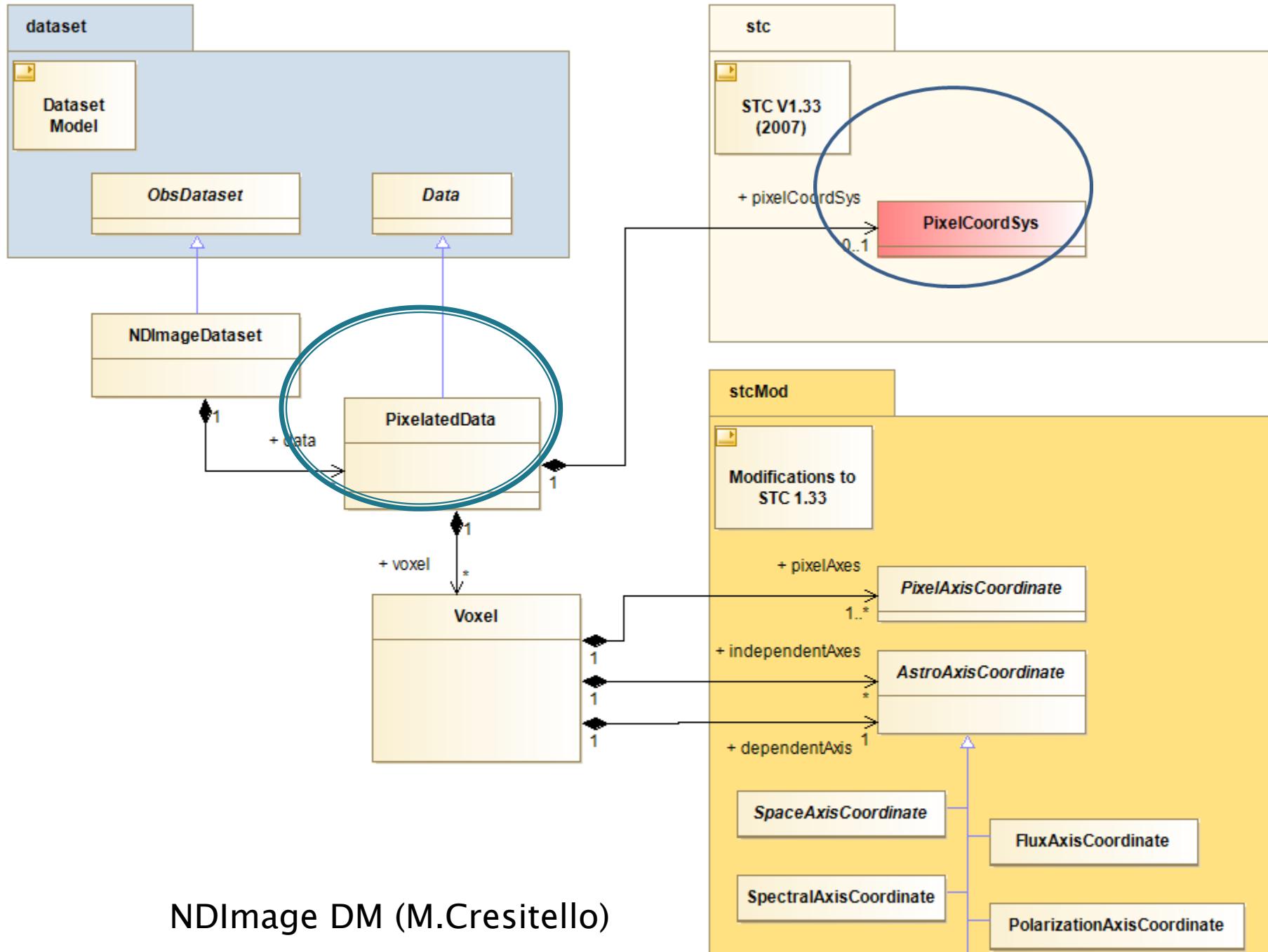
Mapping of ImageDM in SIAV2 metadata resource response: the case of WCS information

F.BOnnarel



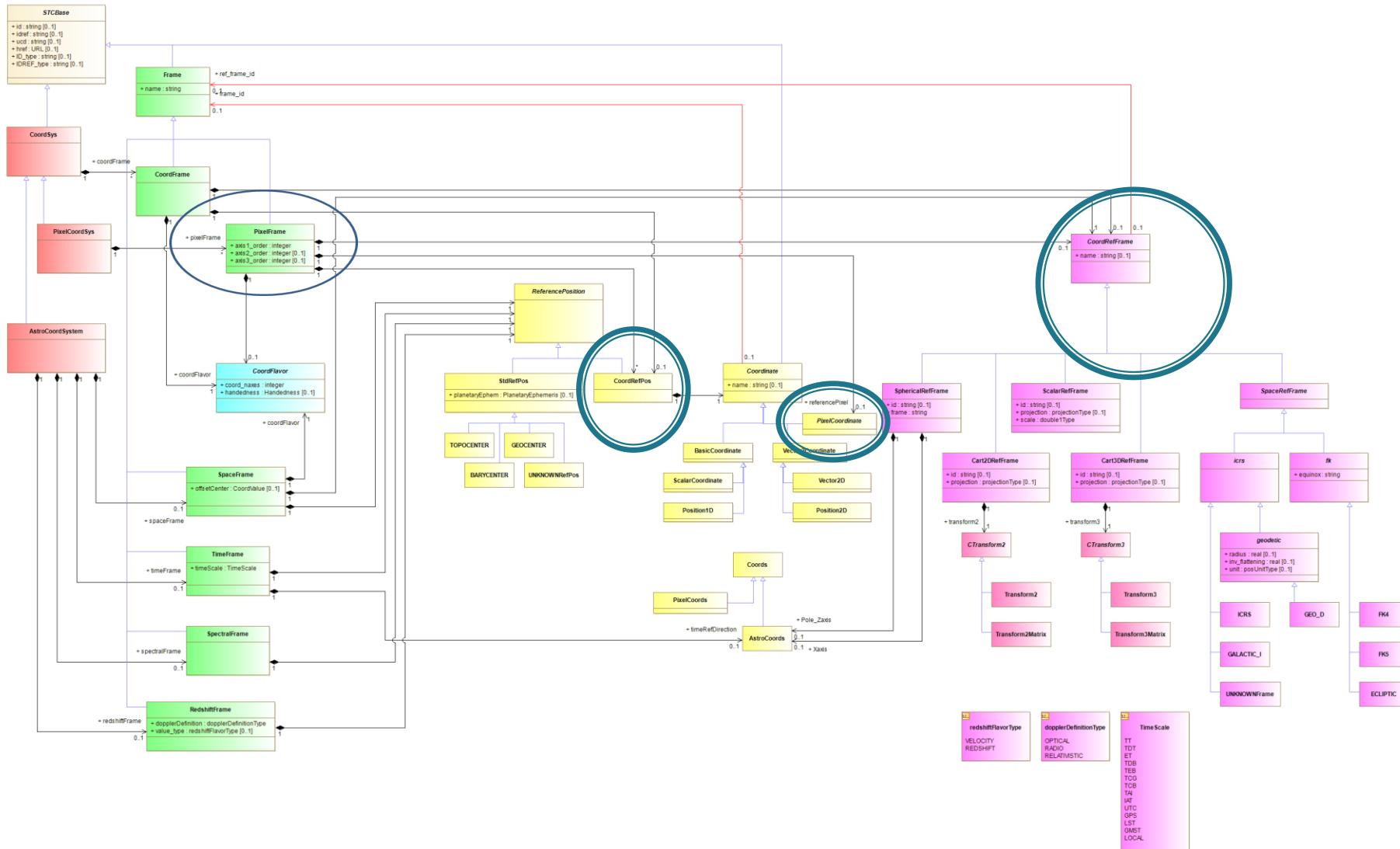
ImageDM metadata in SIAV2 context

- ▶ SIAV2.0 contain only « query » resource. The response is « ObsCore »
- ▶ SIAV2.1 will contain the « metadata » resource.
 - Composed datasets : subarrays
 - WCS information
 - Information needed to prepare advanced AccessData operation
- ▶ Should we use flat utypes or VODML groups in the metadata response ?

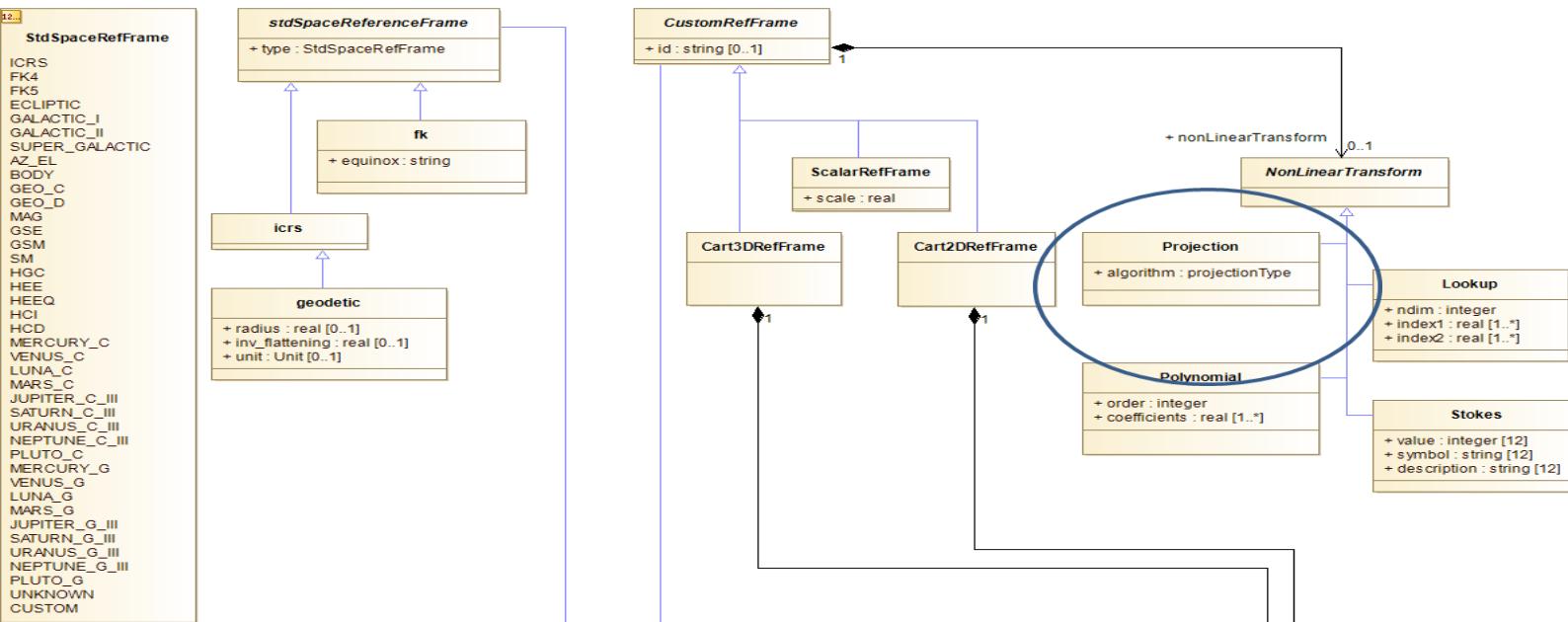


STC: A.Rots/ Mark Cresitello diagram

STC V1.33 (2007)



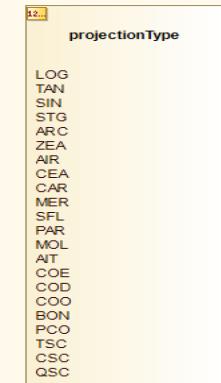
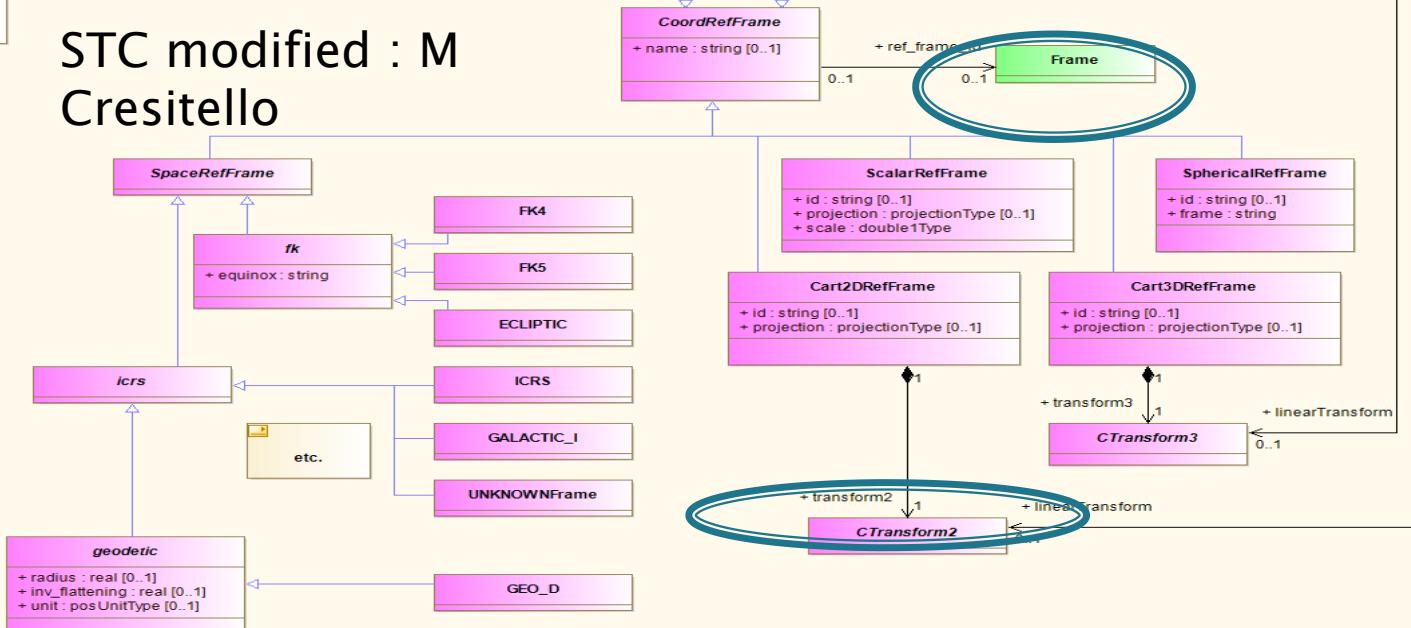
Modifications to STC 1.33



stc

STC V1.33
(2007)

STC modified : M Cresitello



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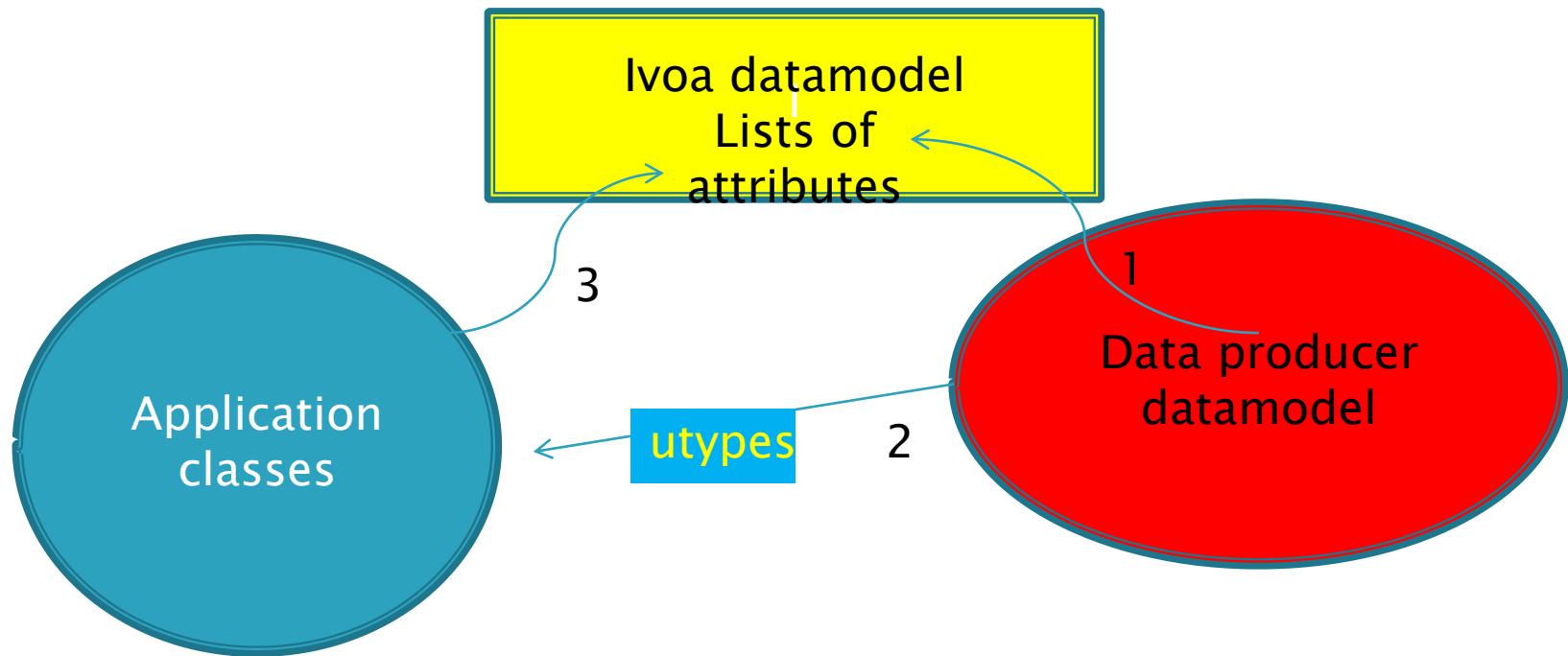
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Questions

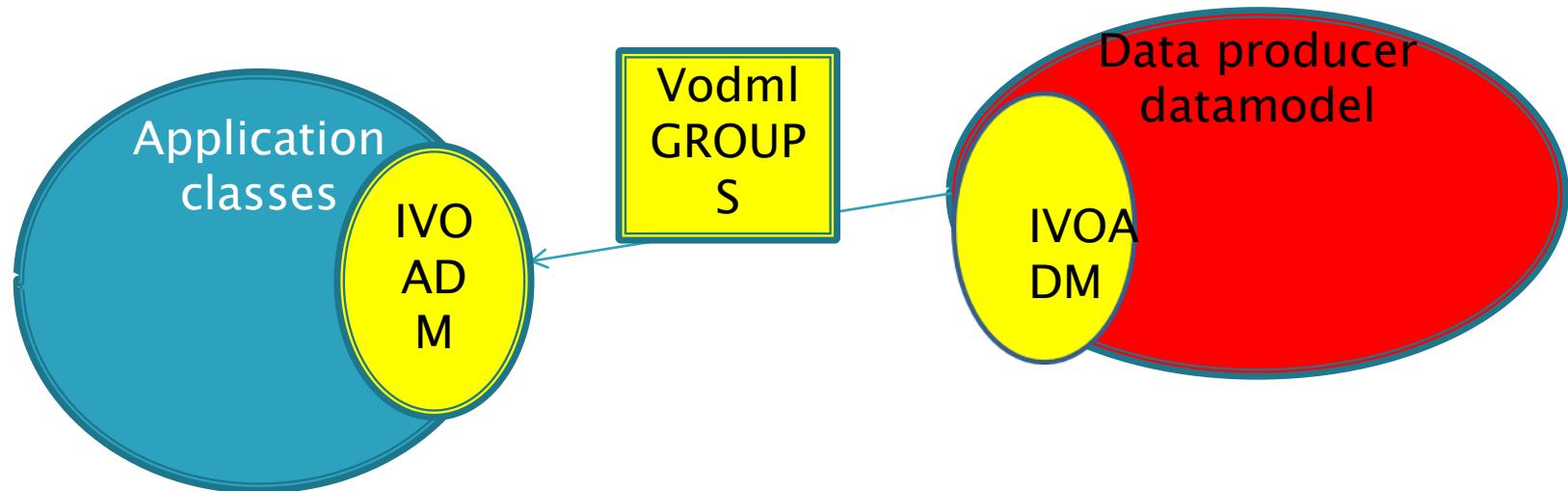
- ▶ Could we replace current ImageDM view of PixelatedData with one PixelCoordSys by
 - Simple PixelCoordSys (Pixel coordinate, naxisorder, ...)
 - Simple World AstroCoordSys
 - A Transform class with
 - Linear Transforms (CTransform2, CTransform3, etc..)
 - Non Linear Transforms (Projection, Stokes, polynomial, Lookup)
 - Could we ?
- ▶ Use « IVOA DM attribute » utypes instead of VO dml groups ?

Mapping of columns to IVOA datamodel attributes



- ▶ Utypes transport association of VOTABLE content with IVOA DM attributes from DS to applications
More adapted to metadata = discovery-description

Mapping of IVOA DM structures into VOTABLE



- ▶ Vodml GROUPS transport the DM structure
- ▶ More adapted to full datasets with structure consistent with the DM

Conclusion

- ▶ SIAV2.1 will work with « DM attributes » utypes
- ▶ Support the new proposal of changing « utype » in « dmtype » attribute in VODML VOTABLE mapping.
- ▶ Create the dmtype attribute in VOTABLE