



IVOA Data Model group

CATALOG(UE) Data Model progress

P.Osuna



Catalogue Subgroup history

- ❑ Created after Cambridge (Boston) by Jonathan McDowell
- ❑ Coordinator: P. Osuna
- ❑ Members so far:
 - Elizabeth Auden
 - Kirk Borne
 - Clive Davenhall
 - Martin Hill
 - Mireille Louys
 - **Jonathan McDowell** (DM chairman)
 - Francois Ochsenbein
 - Jesus Salgado
 - Ed Shaya
 - Mark Taylor
 - Brian Thomas



What to model

WHAT is a Catalogue?

- Dictionary view: An ordered collection of items
- However, different views depending on the project:
 - SkyView: Catalogue word appears everywhere: an (X-Y) table? A DB table? A set of DB tables?
 - Vizier: a set of (X-Y) tables? One single (X-Y) table?
 - Others: ?

What are we after?

- Initial idea: model Source Catalogues
- Model 2-D “tables” or N-D ones?
- But what do we mean by 2-D or N-D?
- Relation to other Data Models (N-Dimensionality)



What to model II

❑ **People's concerns:**

- Are we re-modeling VOTable?
- Do not confuse Data Model with representation/serialization
- Do not work in a too narrow DM

BUT:

- ❑ do NOT lose focus: from Andrew Lawrence yesterday:
 - [...]”Are DM something for real use or future VO design”[...]
(non-textual words)

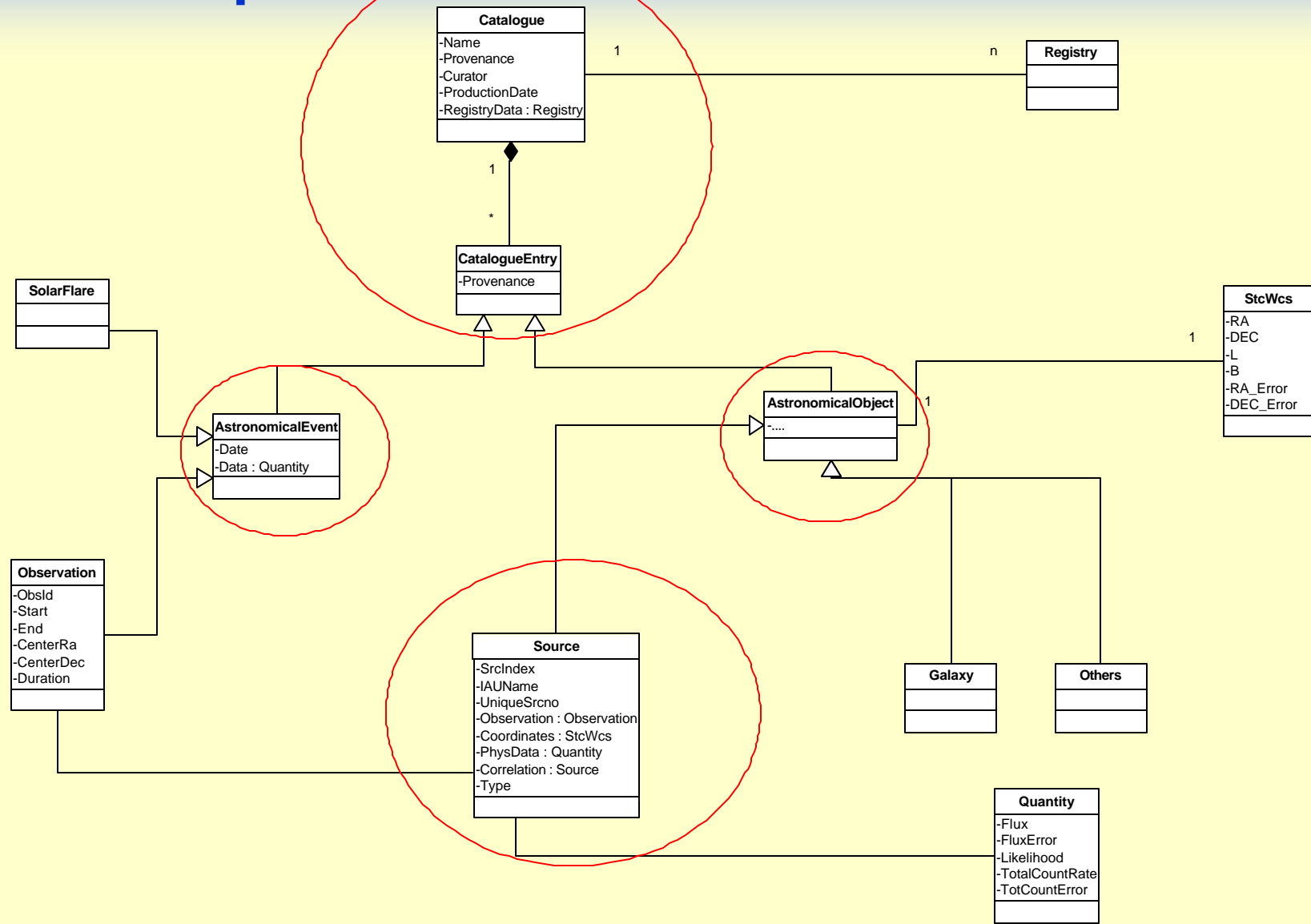
An example Use Case (M. Louys)

- ❑ Is the source in this catalogue the same as the one in this other catalogue? (Cross match)

(Note: SkyNode? Discussion on specific “Column” Names? Standard DM for Catalogues? Or better, describe specific columns in tables?)



First attempt Data Model





Conclusions

- ❑ From A. Lawrence: “useable product now or future VO design”
- ❑ Model simple things first
- ❑ Go for Source Catalogue Data Model, and see how it works. Then, review and decide.

- ❑ For everyone: SEND inputs to Catalog(ue) DM subgroup
- ❑ REQUIREMENTS from other WGs
- ❑ For chairman: ask M. Leoni to have subgroup discussions in twiki, while not in distribution lists