provenance data model: where are we?

F.Bonnarel (CDS),

Motivation: trace the history of the « dataset »

- Some kind of quality assesment
 - What were the ambiant conditions ?
 - How was the telescope configured ?
 - What kind of processing has been done?
- Describe the previous steps and acces to « progenitors » if reprocessing of the data is needed.









Use cases

- Observing features (ALMA use case): Juan de Dios Santander et al (ALMA data distribution SPEC) ambiant conditions, link to raw data, calibration data
- Data processing (GWS use case) : M.Graham,
 - The basic use case from the VOSpace point of view is that provenance information needs to be associated with data objects stored in a VOSpace and how this can be represented. This could be particularly important for temporary data objects or those used in a workflow.



Provenance UML Diagram (Preliminary)











