



DS3 Cycle 1

André Schaaff



VO WS Basic Profile

■ Reminder :

- Recommendation about how to implement Web Services in the frame of IVOA
 - Takes into account existing documents (<http://www.ws-i.org/>, ...)
 - Includes IVOA existing work (Support Interfaces, ...)

■ Presentation at Kyoto (May)

■ Milestones :

- Document available at IVOA
 - <http://www.ivoa.net/internal/IVOA/IvoaGridAndWebServices/VO-WS-Basic-Profile-0.21.pdf>
 - Support interfaces implemented at CDS for October Interop meeting
 - ▶ Checked with the Basic Profile tools
- Maybe R1.0 process before the end of the year



Workflow

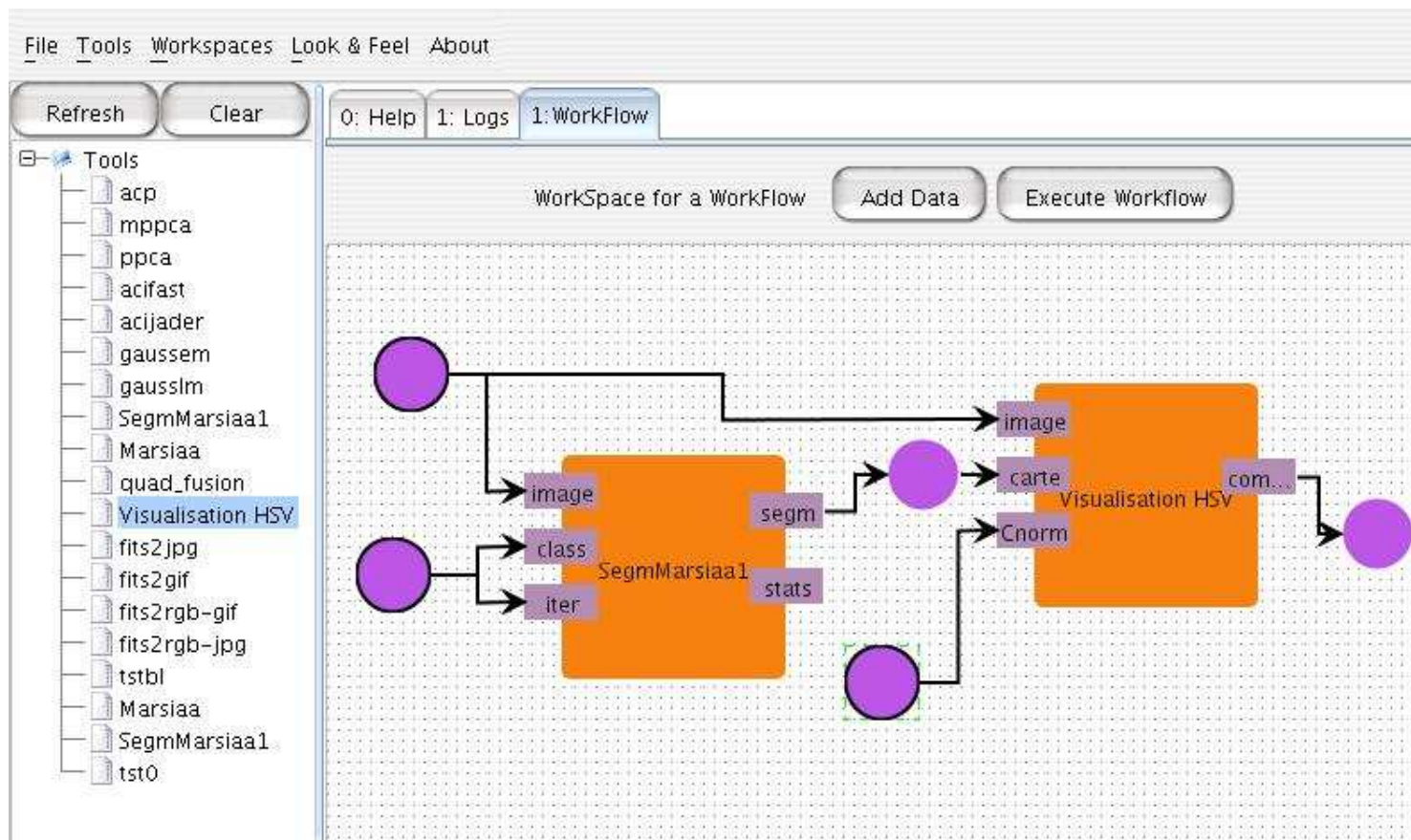
- **The aim is to work around**
 - **Workflow representation user friendly tools**
 - Not in conflict with AstroGrid work in this domain
 - Available as libraries
 - **Use cases involving several services**
 - First step :
 - Draft document
 - Discussions about it in a small working group at CDS
 - Report for DS3
 - Next step :
 - I have proposed (with 3 other people outside CDS) a working group at OV France level
 - Proposition is accepted and work will start in November with around 12 people from OV France

Workflow, representation side

- Light libraries has been developed during the cycle 1
 - JLOW – Java Libraries fOr Workflow
 - Client side
 - ▶ Based on JGraph (<http://www.jgraph.com/>)
 - ▶ Workflow representation is stored in XML format
 - ▶ ...
 - Server side
 - ▶ Very light but enough for applications like OTIAM (see further)
 - ▶ ...
 - Examples of use, developer tutorial will be available by the end of September (CDS Developer's corner)

Use case (1)

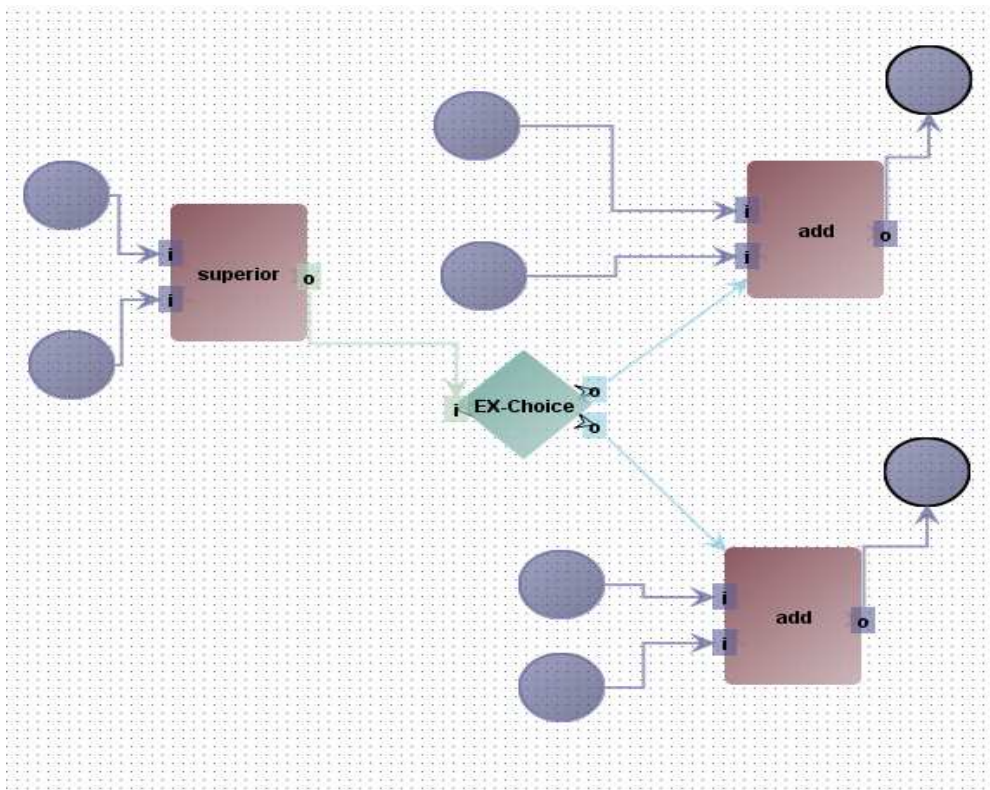
Example of use in OTIAM* (French acronym meaning image processing tools for astronomical multi-wave images)



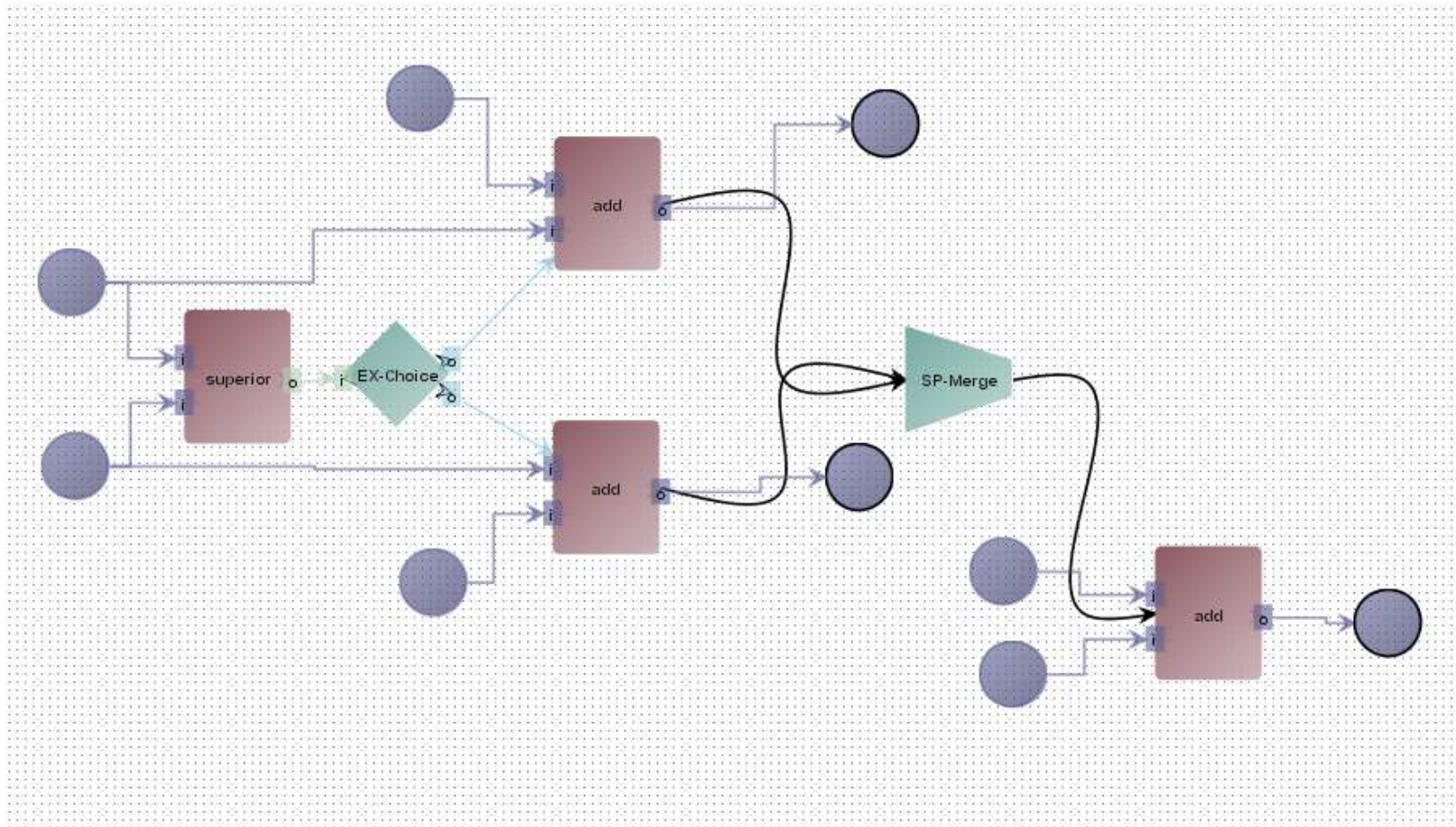
* OTIAM is developed in the frame of MDA (3 years) project (French ministry funds) ending mid 2006

Other example (1)

- JLOW is not an application but (light) libraries for developers



Other example (2)



VizieR

- **Added to the Cycle1 extension**
- **2 ways to access VizieR**
 - **Main access through cgi**
 - **Simple access through soap (cf. CDS Developer's corner)**
 - Will be replaced by a new and more rich SOAP access
- **VizieR in the ADQL-Skynode-... context**
 - **VizieR is not a relational database !**
 - VizieR uses relational database for metadata and binary storage (very large catalogs) with dedicated access programs for the data
 - **Report expected by the end of September and a feedback in the frame of VOQL WG in Spain**
 - ...



Proposals for DS3 Cycle 2

■ WS Basic Profile

- Final support for finalization to Recommendation

■ Workflow

■ Representation :

- Continue the work
- People feedback required

■ Use cases :

- Experiment with tools

■ VizieR ADQL-Skynode

■ Implement the ADQL Access and a Basic Skynode

- For a restricted number of catalogues in a first time



CDS proposals for DS3 Cycle 2 (2)

■ Mediation tools

- Short study about access wrapping to heterogeneous data (example : SQL query to different kinds of data)

■ Ready to test something if someone needs feedback