# Taverna: The myGrid Workflow Enactment Environment

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### Taverna Overview

- Becoming the myGrid Front End
- Concentrates on producing useable workflow tools, object models, APIs
- Intended to be used by non computer scientists, particularly life science domain experts
- LGPL, hosted at http://taverna.sf.net
  - User and developer mailing lists
  - Documentation, demonstration workflows and tutorials
  - Download it and try!

#### Workflows

- Description of an in-silico experiment
- Processors that manipulate data
- Pipe the output of one Processor to the input of the next one
- Iteration over multiple inputs
- Branching and conditions

#### Taverna Processors

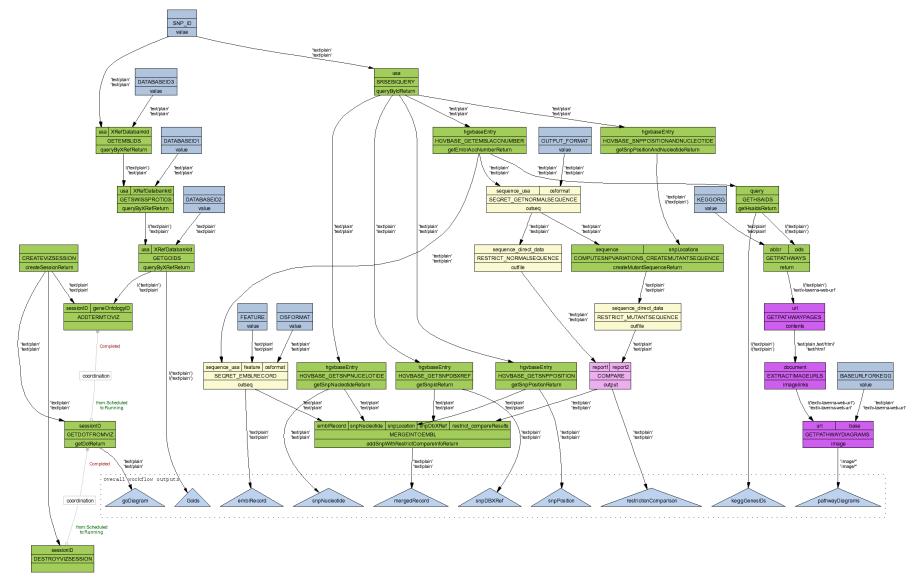
- SOAP/WSDL
- SoapLab
- BioMoby
- Internal Java Processors
- Others coming
  - Shims
  - BJV2 Utilities

**—** ...

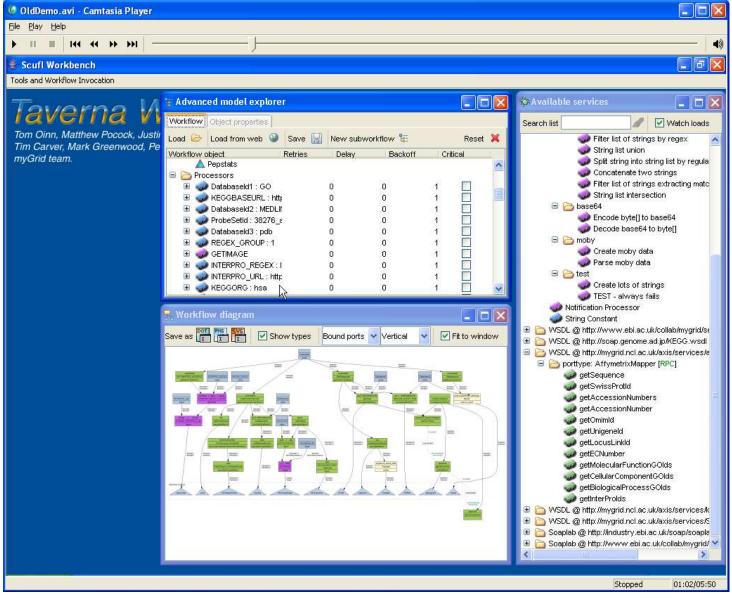
# Some myGrid Middleware Features Used by Taverna

- Freefluo workflow enactment engine (embedded or remote)
- LSID assignment and resolution
- MIR (<sup>my</sup>Grid information repository)
- Notification

#### Real life science workflow

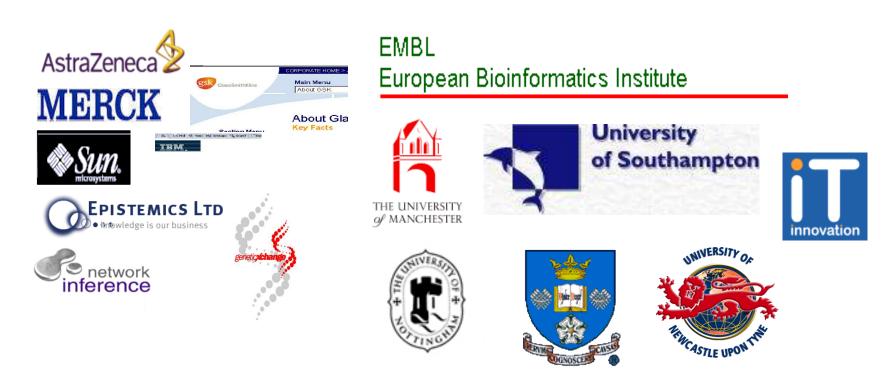


Taverna Running



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