



GOADB

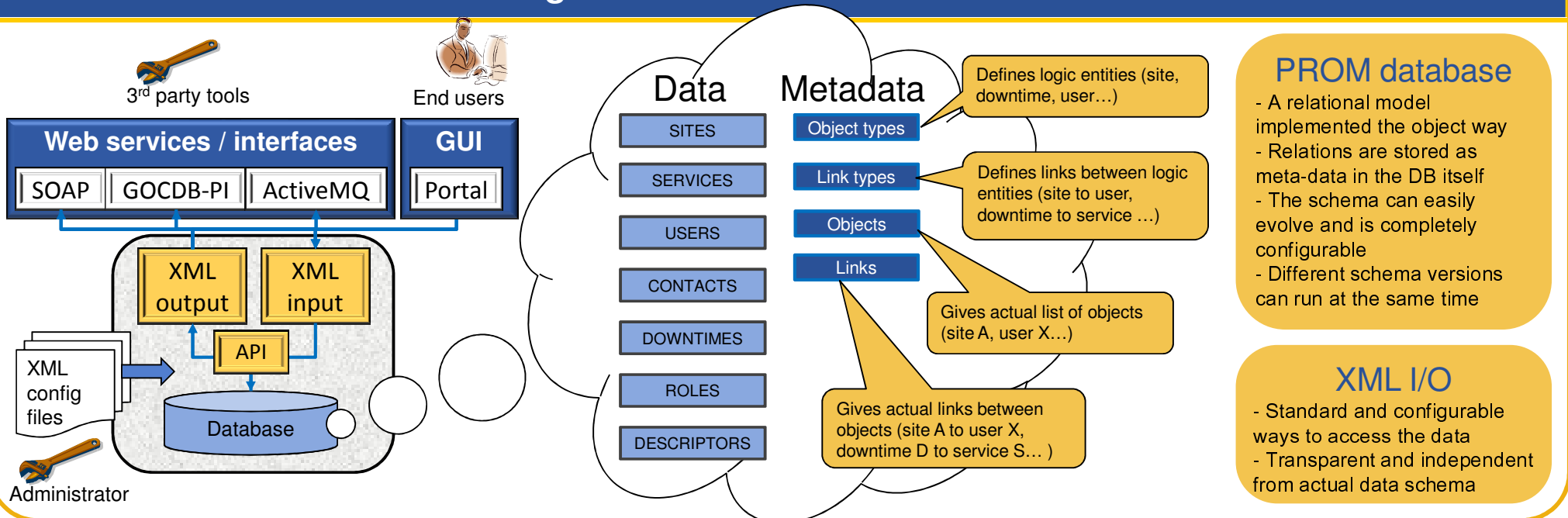
A new architecture and design for working in a European Grid Infrastructure



Science & Technology
Facilities Council

Gilles Mathieu, John Casson
Gilles.Mathieu@stfc.ac.uk, John.Casson@stfc.ac.uk
 RAL-STFC, Didcot, UK

Design overview of a GOADB4 module



Regional GOADB4 – a NGI topology repository

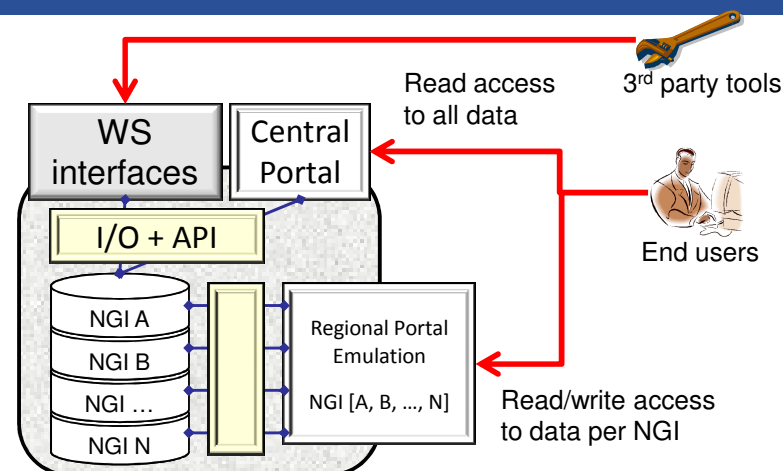
GOADB4 distributable package

- Web server side component (PHP code and XML configuration files) is distributed as a simple RPM
- Administration interface to deploy database schema in a few clicks
- Online documentation available on http://goc.grid.sinica.edu.tw/gocwiki/GOADB_Regional_Module_Technical_Documentation

The benefits of a local GOADB for your NGI

- Deploy, configure and use a local repository without having to develop it
- Keep data with local visibility in the same place as data with EGI visibility
- Customise your repository for local use without breaking synchronisation with the central system (or having to change your adaptor)

What will central GOADB4 look like when first released?



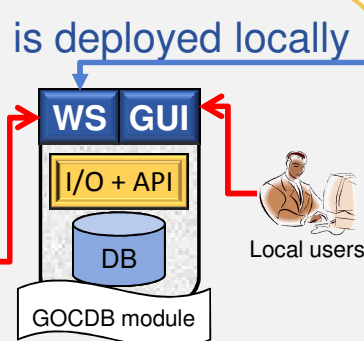
A central tool ready for distribution

- Central database will already be logically split
- Distributing to NGIs made easy by this logical separation
- Data can remain central when distribution is not wanted

Global architecture and regionalisation use cases

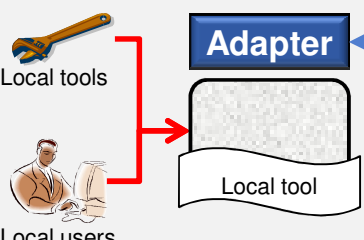
NGI type 1: a GOADB module is deployed locally

- Local users check/update information locally
- Data are synchronised with central GOADB through standard GOADB WS interface
- **No development effort from NGI, regional customisation possible**



NGI type 3: a different tool is deployed locally

- Local users check/update information locally
- Data are synchronised with central GOADB through an adaptor
- **Development effort from NGI, regional customisation possible**



NGI type 2: nothing is deployed locally

- Local users check/update information through the "regional portal emulation" on central GOADB
- Data are directly synchronised centrally
- **No development effort from NGI, no regional customisation possible**

