# RAL (STFC) Status and Plans

***Steve Fisher / RAL***

***SA3 All Hands***

***Prague, 5-7 November 2008***

# RAL in SA3

- **People – Steve Fisher, Antony Wilson, Alastair Duncan (all 0.5)**
  - Alastair has moved on - we should take on someone else very soon.
- **Team is roughly half on SA3 and half (“unfunded”) on JRA1**
  - So far most effort has gone into JRA1
  - R-GMA patch (major refactoring from EGEE-II) rejected by TMB (*!?**”<>)
  - Patch now given to TCD (non-SA3 hat of course) to “certify”
  - Effort now moved on to SA3

# Workplan overview

- **Work in SA3**
  - Complete and release the SAGA conforming SD API with LDAP plugin
    - Service discovery is an API to select services based on various critera (service type, site, role of user ...).
    - Makes use of service information in GLUE1 but in GLUE2 the info is more distributed.
  - Develop another API able to reach the other metadata not covered by existing SAGA spec.
    - The idea of this is to be able to navigate from a selected service within the service data (presumably GLUE 2 ?) as exposed by the information system and not by contacting services. It will hide the underlying implementaion of the data model (ldap, relational, xml etc.)
    - Antony is leading this work
    - A GUI may be developed at the same time – mainly for public relations

# Workplan details

- **Finalise Service Discovery spec within OGF** ☆
  - Nov 30 2008
- **Produce C++ SAGA Service Discovery API as defined by OGF** ☆
  - Dec 31 2008
- **Produce Python SAGA Service Discovery API as defined by OGF**
  - Dec 31 2008
- **Produce BDII plugin in C++ (Python is covered by C++) for SAGA Service Discovery** ☆
  - Jan 31 2009
- **Produce Java SAGA Service Discovery API as defined by OGF**
  - Feb 28 2009
- **Produce BDII plugin in Java for SAGA Service Discovery**
  - Mar 31 2009
- **Gather Use cases and requirements from users and services on access to other service information. (To include discussion at the UF in Catania)** ☆
  - Mar 31 2009
- **Define an extended (or new) API specification which meets these requirements (to be endorsed by the TMB)**
  - May 31 2009
- **Provide packaged implementations with tests of the API and CLI**
  - Aug 31 2009
- **Test to production readiness the API and CLI, ensuring that the API meets the performance requirements from the Use Cases**
  - Dec 31 2009

# Finalise Service Discovery spec

- **Finalise Service Discovery spec within OGF**
  - Due: Nov 30 2008
  - It is based on 3 filters (service, data and authz). The last is causing a lot of discussion.
  - SAGA is supposed to be simple (the “S”).
    - Would like SD API to be usable by middleware components.
    - The LCG authz is not simple.
    - Much discussion with Stephen Burke and others.
    - End is in sight ☺

# C++ SAGA Service Discovery API

- **Produce C++ SAGA Service Discovery API as defined by OGF**
  - Due: Dec 31 2008
  - Status: Code exists for the existing prototype spec – some updates will be needed once the spec modifications are agreed.

# Produce BDII plugin in C++

- **Produce BDII plugin in C++ (Python is covered by C++) for SAGA Service Discovery**
  - Due: Jan 31 2009
  - Status: Extensive modifications anticipated to cope with the new and more fine-grained authz specification.

# Gather Use cases

- **Gather Use cases and requirements from users and services on access to other service information. (To include discussion at the UF in Catania)**
  - Due: Mar 31 2009
  - Status: No work yet – but will start early to make sure we understand users' perceived needs in good time. Hope to get most input before Catania OGF/UF.

# Conclusion

- **Our work is just beginning …**