

EGI Operation Scenarios

Introduction to panel discussion

Operations in EGI

Functional description:

- Operations should provide a service to enable multi-national collaboration
- This service should be accounted for
- The NGI's shall be responsible of operating their national grid infrastructure
- The NGI's of a specific region could decide to federate themselves (in a ROC like structure)

NGI's responsibilities: draft guidelines

- Each NGI ensures that:
 - the national e-Infrastructure is permanently operated and maintained
 - user communities are registered and supported
 - resource owners/providers are registered and supported
 - standards and other consensus accepted by EGI (on supported MW stacks for example) are implemented
 - EGI policies are implemented

EGI organization tasks categories

- Core tasks
 - To be funded by contributions by the NGI's (sharing model to be defined yet)
- Service tasks
 - Funded with service charges by a subset of NGIs (and possibly VO's) that wants them
- Project tasks
 - Developments, tools, etc needed, at least for a transition period in order to bring the European grid infrastructure to the point where it is sustainable by NGIs and VOs.
 - Co-funded by EU possibly in reserved calls (GEANT model)

NGI's contribution to EGI

May be provided with a mix of the following

- Money transfer
- In kind personnel contribution: 1 NGI's implements in its location an EGI task (GGUS model)
- Detaching some NGI's personnel to the EGI site
- The EGI core tasks have to be limited to the basic needs to keep low membership fee and get everybody on board



Possible (Extreme?) Scenario for the transition of Jamie's Core Operations Tasks

- Regional Operations coordination; **CORE**
- Coordination and support for roll out of mw updates; **SERVICE**
- Grid security and incident response coordination; **CORE**
- Interoperations (OSG, EU related projects); **Project, MW/Applications..**
- Weekly operations meetings and operations workshops; **CORE**
- Support from mw resident service experts; **Reframe...**
- Middleware release support; **MW? IN KIND?**
- VO Membership Service; **International VO's only; SERVICE**
- Service Availability Monitoring; **Distributed Operation. If tools still to be developed, Project. Partly VO dependent**
- User support coordination and the global Grid user support (GGUS);
CORE - in Kind
- Certification authority for various VOs; **NGIs**
- Monitoring; **Distributed Operation. TOOLS? As above**
- Pre-production coordination **Application Related? In Kind?**
- Triage of incoming problems and assignment of tickets to second line support units **Distributed Operation? Partly VO related**

HEP considerations

- WLCG ensures a very tight connection between HEP VO's and the working of Operations
- This is not today fully reflected in the structure of EGEE, but is crucial for the good functioning of the Grid and for HEP
- I think this connection has to be preserved in the EGI world, even after the transition period
- This may require EGI has some structure that formalizes better the interconnection between Application and Operations Tasks ... no real proposal yet...just a suggestion for thinking....
 - HEP requires an international coordination of Operation stronger than the basic one needed for general grid operation to work: an EGI Service HEP may require and support?
 - However avoid the risk of duplicated operation structures and tasks