IT ROC: Vision for EGEE III

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Outline

- Activity sub-tasks: comments and additions
- Vision, goals and challenges
- ROC operational model: current status and future

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TSA1.1 Grid Management (1/2)

Additional sub-task and comment:

- **<u>Additional sub-task</u>: "Migration towards EGI/NGI" to**
  - monitor plans and status of implementation of structural changes (at the EGI and NGI level) embedded in the various SA1 activities
  - establish a communication channel to exchange of information and input between project EGI-DS and EGEE III SA1 (some ROCs already involved in EGI-DS)

→ **This is important for at least two reasons:**

→ From EGEE III DoW (pag 8), Goals for EGEE-III (v. 4.0): "***EGEE-III will, in its second year, start implementing the required structural changes to allow a seamless transition to the European Grid Initiative (EGI) model, while ensuring the continued provision of the Grid service***"

→ **From EGEE Advisory Board (mail from** BoB Jones, EGI prep mailing list, March 08)**: "*In spite of the work on the EGI Design Study, it is not clear how and whether EGEE services will be transferred to EGI. The EGEE partners need a dependable schedule and service specification for the EGEE/EGI transition or they cannot go on investing in EGEE as a basic instrument for their scientific work.* "

TSA1.1 Grid Management (2/2)

- **Comment: "Monitoring and enforcement of Service Level Agreements"**
  - This subtask needs to also focus on requirements for tools that support, monitor, automate the establishment of SLAs between:
    - Global VOs and ROCs
    - Global/regional VOs and sites
    - ROC and sites in region
- **Comment: "Grid accounting"**

  → maintenance and support of DGAS

TSA1.2 Grid operations and support

- Comment: "Run Grid services for production and pre-production services":
  - **"pilot services" are important for:**
  1. **installation of pilot services**
  2. **early involvement in testing and certification activities carried out by the JRA1-SA3 clusters of competence to address management, scalability and deployment issues of gLite releases (F.Giacomini, JRA1 leader, EGEE III trans. Meeting)**
- Comment: "Monitoring tools to support Grid operations":
  - **List of "tools in scope" for OAT is dynamic and needs to take into account current and future requirements**
  - **Areas of work: we believe tools to ease/automate management of Grid core services (one of the main ROC duties) are IN SCOPE**
  - **Grid Accounting: we would like to include HLRmon (IT ROC Accounting portal)**

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IT ROC and EGEE III

- **Goal/Challenge:**
  - EGEE III SA1 should prepare the transition to a new operational model towards EGI/NGIs, focused on the autonomy of each individual National/Regional Grid Infrastructure
- **Vision:**
  - **scalability**: the future operational model should allow the management of resources and services of an infrastructure which is supposed to grow in scale (in terms of users, services, sites operated and mw stacks) in a short time
  - **autonomy**: operational tools and procedures used at regional level should allow the infrastructure to be fully self-functional and autonomous
  - **interoperability**: full integration of the operations of the national Grid infrastructure with the operational model adopted by the pan-European Grid infrastructure should be preserved

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ROC operational model: current status and vision (1/2)

Services/Tools	Today	Future
GOCDB	Centralized, no IT ROC regional instance	Central top-level instance + regional instances
CIC Portal	Centralized, no IT ROC regional instance	Central top-level instance + regional instances
COD Dashboard	Centralized, regional dashboard not in use currently	Regional instance (and central instance if required by some ROCs)
Resource allocation for VOs	Nothing available	Tools for the automation/monitoring of the process (for both global and regional VOs)

ROC operational model: current status and vision (2/2)

Services/ Tools	Today	Future
Accounting	Central repository + IT ROC regional repository and accounting portal (HLRmon)	Regional repositories for ROCs + central repository
Grid Monitoring	Various tools in use (gstat, gridmap, gridview, GridICE, WMSmon, FTS Monitor)	Single access point + development of missing tools (VOMS...)
SAM and SLA monitoring	Centralized, no IT ROC regional instance	Central top-level repository + regional instances
GGUS	Central + regional help desk (xoops)	As today (at least in the medium term). Long term: scalability problems?
Grid oversight	COD shifts + IT ROC regional shifts	IT ROC regional shifts (COD shifts for ROCs willing to share efforts)