



Enabling Grids for E-science

EGEE2 Work

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www.eu-egee.org



- **Greek involvement in:**
- **SA1: Operations**
- **SA2: Networking**
- **SA3: Middleware certification**
- **NA2: Dissemination**
- **NA3: Training**
- **NA4: Applications**
- **NA5: Policy and international cooperation**

- **Greek 3rd parties identified based on:**
 - Current involvement
 - Expertise
 - Pro-active work
 - Interest

- **Approximately 0,5 FTE per HG cluster**
- **ICCS*2, Auth, IASA, CTI, Forth**
- **Must have a dedicated person performing this work**
- **Complemented by HG funds in operations**

- **Basic ROC operations**
 - Middleware installation
 - m/w certification; porting, customisations if necessary
 - Site installation, testing and certification.
 - Documentation
 - Operational support
 - Local monitoring service for the cluster
 - Resource utilization and SLA monitoring
 - Host and co-manage necessary core GRID services

- **Technical contributions in:**
 - Operations-related extensions to middleware, fabric management tools, middleware installation tools, monitoring tools, operational tools, metrics probes, etc.
 - TT system active use, providing expertise for common EGEE pool of operational-oriented as well as user support teams.
 - Provide input and logistical support for operators training; also support to other cluster administrator groups.

- **Core operations service - ICCS**
- **Monitoring and accounting coordination – FORTH**
- **User support - CTI**
- **Security – Auth**
- **Approx 0,5 FTE per task**

- **Pre-production – UoM, UoPatras**
- **0,4 FTE per pre-production site**

- **Support for middleware deployment in the region – advice and debugging of sites.**
- **Perform site certification in the region.**
- **Support for operational problems in the region – advice and potential debugging.**
- **Proactively monitor the operational state of the EGEE grid and initiate corrective actions - participate in the weekly operator-on-duty rotation scheme.**
- **Contribution to development of operational and monitoring tools**
- **Contribution to deliverable “DSA1.5 – Grid Operations Cookbook”**

- **Provide a customized accounting server for the region; Provide the central point for SEE-ROC metrics collection**
- **Provide an automated tool for accounting report per site per VO per country for the region.**
- **Proactively monitor SLAs and metrics**
- **Provide aggregate SLAs and metrics for the region monthly**
- **Collect all the relevant information about metrics and SLAs for the deliverables**
- **Coordinating SEE ROC contribution to the deliverables: DSA1.4 and DSA1.6 “Assessment of Production Service Status”: data on the basis of the SLA and metrics information and other monitoring information.**

- **Coordination of front-line support for the users on SEE level, provide experts to oversee user support process in EGEE (ESC)**
- **Organization and oversight of the local SEE helpdesk ran in Romania**
- **Provide effort for GGUS TPM, coordination of TPM of the region**
- **Provide effort for GGUS support groups**
- **Support VO integration in Greece from SA1 perspective**
- **Greek user registration coordination and oversight, and statistics**

- **Authorization management: running VO services as necessary**
- **Contributions to additions to security services (VOMS, YUMIT, other)**
- **Contributions to JSPG and other relevant EGEE bodies and EUGridPMA in discussions on: trust establishment; authentication and authorization; AUP issues; vulnerability analysis; incident response; user and VO management; and other security and availability policies.**
- **Code reviews; providing info on best practices for developers.**
- **Contributions to: “DSA1.3: Grid Services Security Vulnerability and Risk Analysis” and “MSA1.6: Security and Availability Policy”**

- **UoM, UoPatras**
- **Same responsibilities as production clusters**
- **Also providing middleware deployment and operations advice and support for production-cluster teams**
- **Enable access to the cluster to local and global VOs and users; and local and global administration and middleware teams.**
- **Provide continuous suggestions to middleware improvement. Provide regular feedback to the m/w developers, application developers, and other EGEE communities**

- **Technical contribution in:**
 - EGEE Network Operation Center establishment CERTH
 - Provide e2e SLAs as an operational service ICCS-NETMODE

- **Running a local branch of certification testbed**
- **Mainly focused on the MW Certification process which includes:**
 - Validate that middleware components function according to their specification, including backward compatibility where needed;
 - Validate that the integrated middleware distribution functions as required;
 - Validate the security model;
 - Test security vulnerabilities;
 - Test a broad range of installation and deployment scenarios;
 - Performance and stress testing, including reliability and robustness;
 - Test management and operational functionality of the components;
 - Test interoperation with other middleware, ensure that upgrades do not break what is already achieved
- **UoA 0,5 FTE**

- **Bursty activity**
- **2MMs/course max**
- **ICCS, Demokritos**
- **Local support by local teams**

- **Demokritos 0.5 FTE**
- **The tasks will be:**
 - Newsletter production
 - Porting and Gridification support
 - Nurturing of the Greek user community
 - EGEE middleware and services validation
 - Input to EGEE middleware evolution
 - Contribution to training on gridification and porting subjects
 - Production of a users and application catalog for Greece