



Enabling Grids for E-science

# EGEE-II Meeting

*EGEE-II SA2 activity*

*Tziouvaras Chrysostomos, MSc*

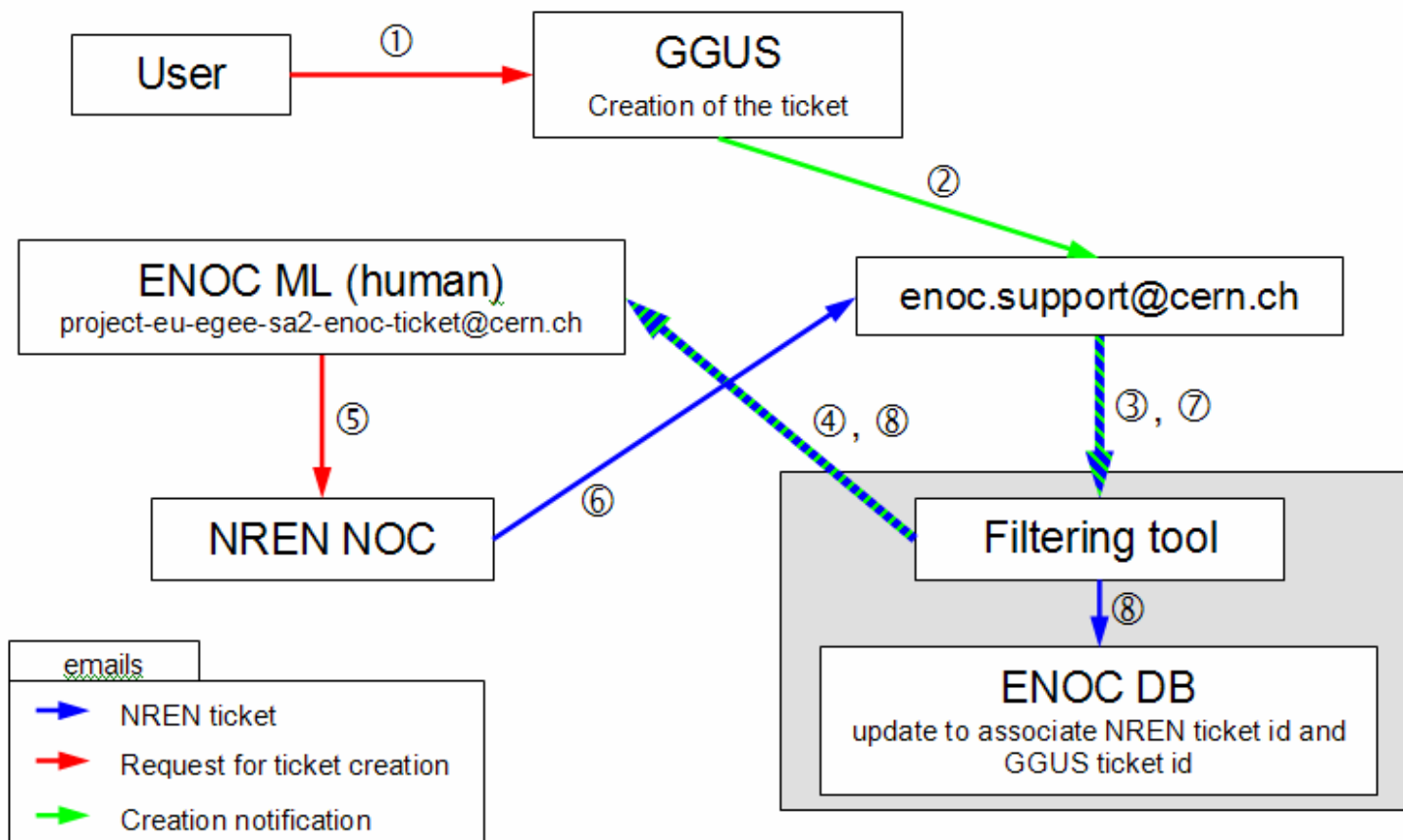
*NTUA, 14<sup>th</sup> March 2006*

[www.eu-egee.org](http://www.eu-egee.org)



- **Consulting for network related activities inside EGEE-II, such as network monitoring, network resource provisioning architectures and IPv6 developments.**
- **Consulting for networking activities to related projects (e.g. EUCHINAGRID).**
- **Dissemination within EGEE-II of networking related information.**
- **Partners: CNRS (leader), DANTE, DFN, GARR, GRNET, RRC KI, SRCE.**

- **Support unit for all network related issues in EGEE-II.**
  - Interface between EGEE and NRENs/GEANT2 NOCs.
- **ENOC will provide a 9:00 to 17:00, Monday to Friday, operational service.**
- **ENOC's responsibilities have been defined at the MSA2.3 OPERATIONAL INTERFACE BETWEEN EGEE AND GEANT/NRENS (<https://edms.cern.ch/file/565449/EGEE-MSA2.3-565449-v3.0.doc>).**
- **ENOC's duties:**
  - Network problems troubleshooting.
    - Detection and resolution of problems.
    - Notification of problems.
    - Handling of notifications from NRENs describing network infrastructure changes, detected failures or foreseen maintenance.
    - Network monitoring.
  - Service Level Agreements.
    - Installation.
    - SLA monitoring which deals with SLA violations.
    - Maintenance of SLA information.
  - Maintenance of a database (GOCDDB) containing information on RCs and their network connections.
  - Reporting on network resources usage.



- **Milestones**

- MSA2.1: ENOC Implementation (M2). Following the work done in EGEE the ENOC will be operational at the beginning of EGEE-II. The relationship with GGUS, procedures, tools and metrics will be detailed.
- MSA2.3: Assessment of the ENOC (M11). Assess the work to be done, what should be changed/removed.

- **Partners: CNRS (leader), DANTE, DFN, GARR, GRNET-CERTH (8MMs).**

- **Target: provide e2e SLAs to EGEE RCs as an operational service.**
  - Based on GEANT2/NRENs Premium IP service.
- **Domain SLA templates and methods for producing e2e SLAs have already been defined (DSA2.2: Institution of SLAs and appropriate policies - <https://edms.cern.ch/document/565447>).**
- **Operational procedures for establishing e2e SLAs have already been defined (DSA2.3: Revised SLAs and Policies - <https://edms.cern.ch/document/691426/1.1>)**
  - Proposed procedure for establishing e2e SLAs must be updated since it assumed the existence of the BAR middleware (discontinued at EGEE-II).

- Investigation of SLA establishment for emerging lightpath services.
- Deliverables
  - DSA2.1: Network Service Level Agreement (SLA) implementation (M10). It will provide an analysis of the SLA establishment model in an operational context.
  - DSA2.2: Assessment of the network SLAs in EGEE-II (M23).
- Partners: **GRNET-ICCS (leader, 11MMs), CNRS, RRC KI.**

- **EGEE-II and LCG will coordinate their common networking tasks.**
- **As an example, a common network operational interface through GGUS could be the first common service.**
- **Partners: CNRS (leader), DANTE.**



- **Technical Network Liaison Committee (TNLC)** is mainly seen as a body responsible for the formulation of networking requirements and the formal working level interface to GÉANT2/NRENs.
- **Workshops between EGEE and the network community will be organized periodically during the lifetime of the project. These events will have to integrate well among those proposed in the context of TERENA (Grids-NRENs workshops) and EU (Concertation workshops).**
- **Milestones**
  - MSA2.2: TNLC strengthening. Define a new role and organization for the Technical Network Liaison Committee to strengthen the link between Grid personnel and the technical aspects of the network.
  - MSA2.4: Assessment of the TNLC. An assessment of the work of the TNLC over the project.
- **Partners: CNRS (leader), DANTE, DFN, GARR, GRNET.**