



Enabling Grids for E-science

## SA2: “Networking Support”

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- **Short presentation**
- **SA2 who's who**
- **Tasks descriptions**
- **Main issues and risks**
- **First actions to be taken**

- **Networking activity of EGEE-II**
- **Two classes of tasks:**
  - Organisation:
    - Coordination of network related issues within the project: Technical Coordination Group (TCG), applications requirements, network monitoring, etc.
    - Coordination of network related issues outside the project: relations with NRENs, with related projects, etc.
      - *Technical Network Liaison Committee (TNLC): internal EGEE body to leverage collaboration and common work with NRENs.*
  - Operation:
    - **EGEE Network Operation Centre (ENOC):** 2<sup>nd</sup> level user support for network issues, operational interface with NRENs,
    - **Network Service Level Agreement (SLA) installation:** creation procedures, installation, follow-up (monitoring).
- **Relations with NA4 (Applications), SA1 (Operations, Network Monitoring), Security**

Name	Effort	Partner
Mathieu Goutelle	100%	CNRS
Geneviève Romier	50%	CNRS
Jean-Paul Gautier	50%	CNRS
ENOC???	100%	CNRS
Jérôme Bernier	25%	CNRS
Benoît Delaunay	25%	CNRS
Gérard Drevon	25%	CNRS
Laurent Caillat-Vallet	25%	CNRS
Angelos Lenis	11%	GRNET
Chrysostomos Tziouvaras	42%	GRNET
Mary Grammatikou	11%	GRNET
Paris Flegkas	25%	GRNET
Vassiliki Pouli	11%	GRNET
Mikhail Boyarsky	25%	RRC-KI
Veniamin Konoplev	25%	RRC-KI
Karin Schauerhammer	30%	DFN
Klaus Ullmann	10%	DFN
Robert Stoy	10%	DFN
Toby Rodwell	25%	Dante
???	25%	GARR
Ivan Maric	17%	SRCE

<b>Total CNRS (PM)</b>	96
<b>Total GRNET (PM)</b>	24
<b>Total RRC-KI (PM)</b>	12
<b>Total DFN (PM)</b>	12
<b>Total Dante (PM)</b>	6
<b>Total GARR (PM)</b>	6
<b>Total SRCE (PM)</b>	4
<b>Total (PM)</b>	160

- **TSA2.1: Overall Networking Coordination (CNRS)**
  - [TSA2.1.1] Relations with NRENs: TT normalisation, services provisioning
  - [TSA2.1.2] EGEE coordination: TCG, applications requirements
  - [TSA2.1.3] IPv6 follow-up: testbeds, JRA1, related projects, NRENs
  
- **TSA2.2: EGEE II Network Operation Centre (CNRS)**
  - [TSA2.2.1] Implementation of the ENOC
  - [TSA2.2.2] Daily work of the ENOC
  - [TSA2.2.3] Follow-up and updates of the ENOC procedures
  - [TSA2.2.4] MSA2.1: "ENOC implementation" (M2)
  - [TSA2.2.5] MSA2.3: "Assessment of the ENOC" (M6)

- **TSA2.3: End-to-end SLAs (GRNET)**
  - [TSA2.3.1] Follow-up and update of the SLA policies
  - [TSA2.3.2] Operational database
  - [TSA2.3.3] DSA2.1: "Network SLA implementation" (M10)
  - [TSA2.3.4] DSA2.2: "Assessment of the network SLAs" (M23)
- **TSA2.4: EGEE-LCG relationship (CNRS)**
  - [TSA2.4.1] ENOC follow-up for LCG
  - [TSA2.4.2] Common operational processes definitions
- **TSA2.5: TNLC improvement (CNRS)**
  - [TSA2.5.1] Improvement
  - [TSA2.5.2] Meetings organization
  - [TSA2.5.3] MSA2.2: "TNLC strengthening" (M11)
  - [TSA2.5.4] MSA2.4: "Assessment of the TNLC" (M22)

- **ENOC:**
  - Updates and improvements of the procedures,
  - Work with NRENs on Trouble Tickets normalisation,
  - Scalability of the model,
  - Availability of suitable operational tools (monitoring, troubleshooting).
  
- **SLA:**
  - Use-cases that requires SLA creation,
  - Installation of real SLAs during the lifetime of EGEE-II,
  - Support from the NRENs,
  - SLA monitoring.

- **ENOC implementation:**
  - Hiring process,
  - Implementation and extension of the ENOC,
  - Work with LCG on the particular case of their Optical Private Network,
  - Within the timeframe set for the LHC Initial Service...
- **TNLC improvement:**
  - Based on the assessment of the work done in EGEE-I,
  - Enhance the outcome of this group.
- **Implementation of the Network Operational Database:**
  - Based on the work done in EGEE-I,
  - Should be ready mid-May.



# Thank you for your attention!