egee

Enabling Grids for E-sciencE

SA2 Networking support for EGEE III

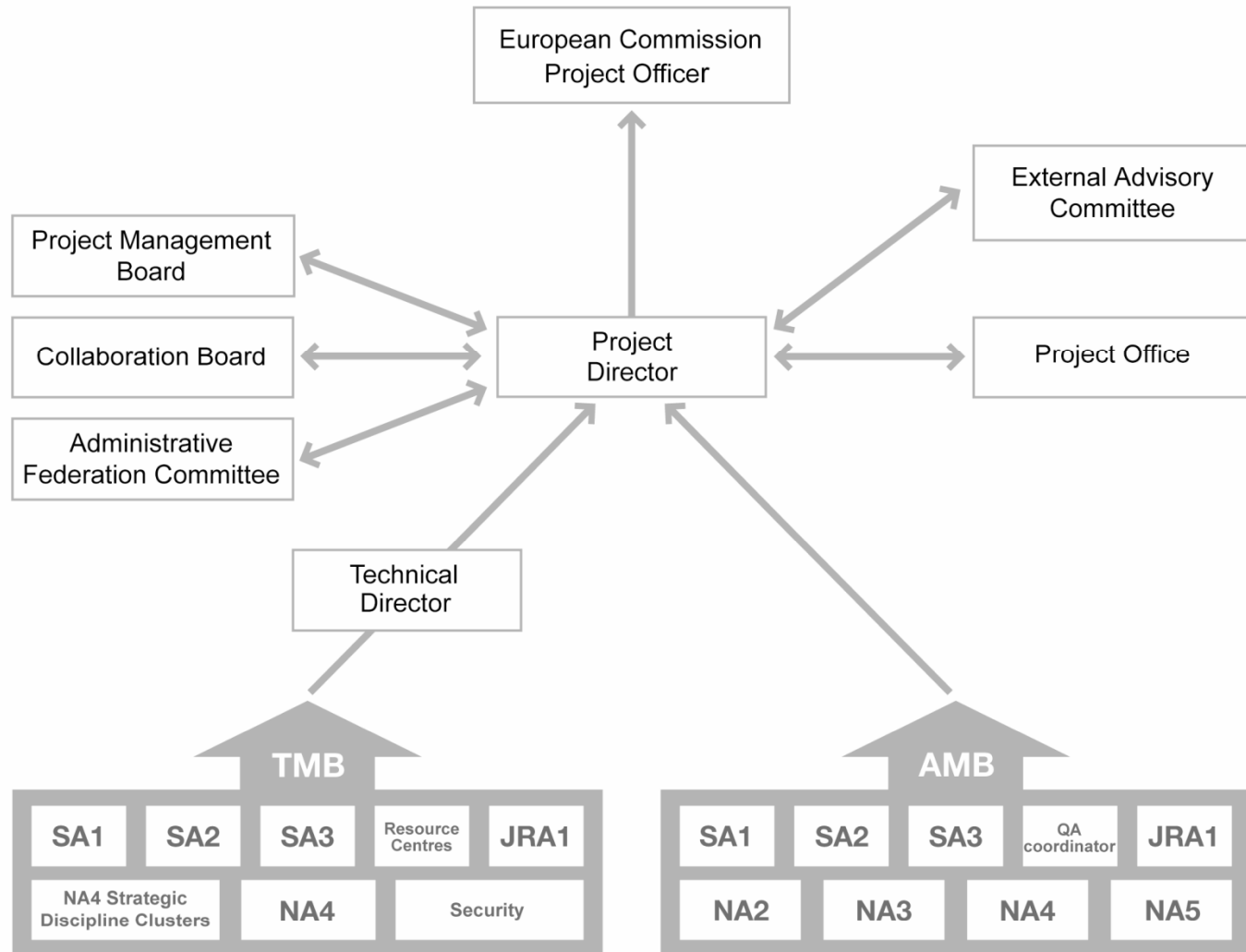*Xavier Jeannin (CNRS/UREC)*

SA2 Activity Manager

kick-off meeting(UREC) – Paris - 16 May 2008

www.eu-egee.org

Information Society
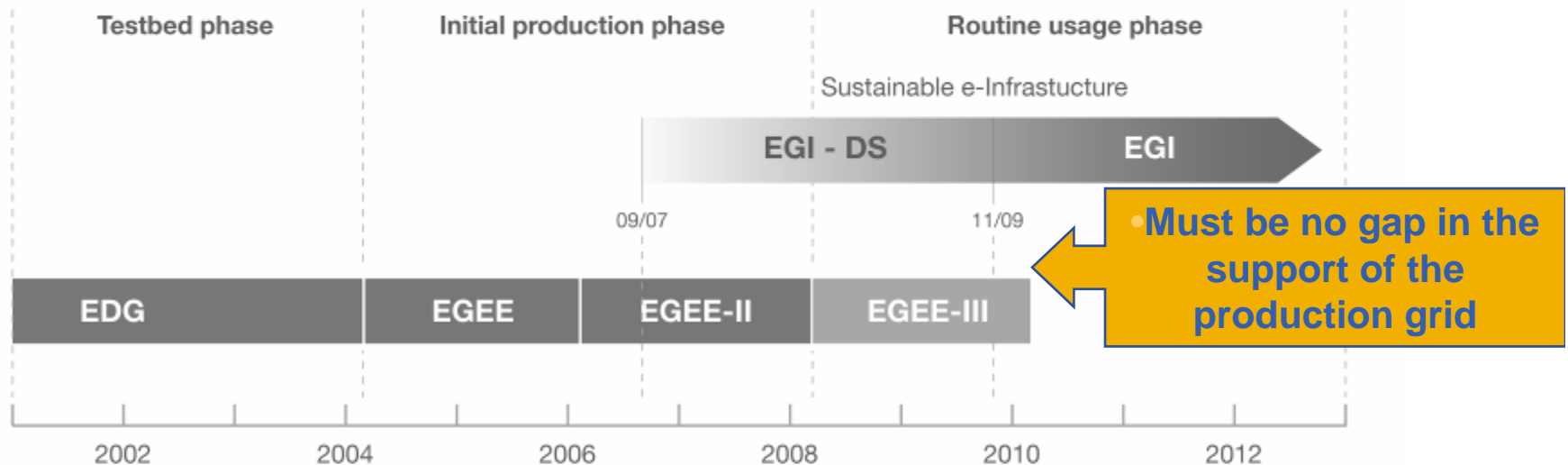and Media

Enabling Grids for E-sciencE

- **EGEE III organization**
  - Feedback from transition meeting

- **SA2 in EGEE III**

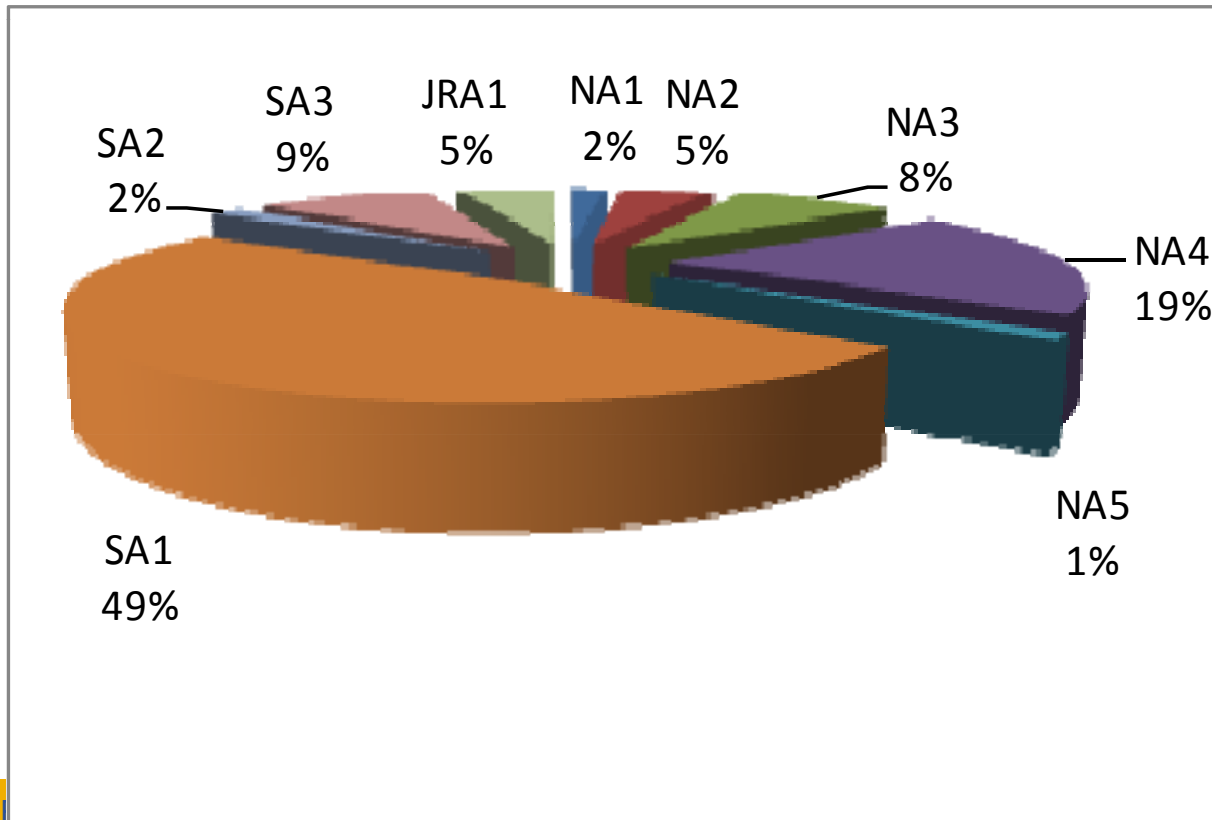- **SA2 duties in EGEE III**

- **SA2 practical organization**

- **Need to prepare permanent, common Grid infrastructure**
- **Ensure the long-term sustainability of the European e-Infrastructure independent of short project funding cycles**
- **Coordinate the integration and interaction between National Grid Infrastructures (NGIs)**
- **Operate the production Grid infrastructure on a European level for a wide range of scientific disciplines**

Testbed phase	Initial production phase	Routine usage phase

Sustainable e-Infrastucture

EGI - DS   EGI

09/07   11/09

EDG   EGEE   EGEE-II   EGEE-III

- **Must be no gap in the support of the production grid**

2002   2004   2006   2008   2010   2012

- **EGI_DS workshop to review EGI Blueprint,** *30 June – 1 July 2008*

- **EGEE-II final review,** *8-9 July 2008*

- **EGEE'08: Istanbul, Turkey,** *22-26 September 2008*

- **Joint OGF/User Forum event,** *Feb/March 2009*

- **EGEE-III first review,** *May/June 2009*

- **EGEE'09: Sept/Oct'09**

- **User Forum: Spring'10**

- **EGEE-III final review,** *May/June 2010*

- ## **Total of 375 FTEs in EGEE-III**
  - 9010 person months (vs. 11165 PMs in EGEE-II; ~20% less)
  - Grand total combining funded and unfunded contributions
    - No difference for execution of program of work!
- ## **SA2 = 14 persons + TNLC, 159 PMs**

Pie chart:
- SA2 2%
- SA3 9%
- JRA1 5%
- NA1 2%
- NA2 5%
- NA3 8%
- NA4 19%
- NA5 1%
- SA1 49%

- **TSA2.1: ENOC running (CNRS)**

- **TSA2.2: Support for the ENOC**
  - TSA2.2.1: Operational procedures and follow-up (CNRS)
  - TSA2.2.2: LCG Support (CNRS)
  - TSA2.2.3: Operational tools and Maintenance (CNRS/RRC-KI)
  - TSA2.2.4: Network monitoring (DFN)
    - TSA2.2.4.1: Troubleshooting (DFN)
    - TSA2.2.4.2: Site network needs (RedIRIS)

- **TSA2.3: Overall Networking coordination**
  - TSA2.3.1: Relationship with NREN, TNLC (CNRS)
  - TSA2.3.2: Advanced network services (GRNET)
  - TSA2.3.3: IPv6 follow-up (GARR/CNRS)
  - TSA2.3.4: Trouble ticket exchange standardization (GRNET)

- **TNA2.4: Management and general project tasks (CNRS)**

eGee

Enabling Grids for E-sciencE

SA2 – EGEE-III

ENOC running

Support for the ENOC

Operational procedures (CNRS)

LCG Support (CNRS)

Operational tools and maintenance (RRC-KI, CNRS)

Monitoring (DFN)

Troubleshooting (DFN)

Site networking needs (RedIRIS)

Overall Networking coordination

IPv6 (GARR, CNRS)

TT exchange standard (GRNET)

Advanced network services (GRNET)

TNLC

Enabling Grids for E-sciencE

- **EGEE: a monitored project**
  - Execution plan
  - Quality Assurance and Measurement plan, activity metrics
  - Reviews
  - Deliverables, milestones

- **The management in EGEE is designed for large activity, a little bit heavy for a small activity**

egee

Enabling Grids for E-sciencE

- **Project execution plan required as MNA1.2 @ PM2 (June 2008)**

- **Extends the Description of Work by**
  - Adding further details to tasks (where appropriate)
  - More detailed subtask structure (where appropriate)
  - Clear understanding which partner does what
    - Partner, not beneficiary (JRU)!
    - Which persons will work on what task
    - Partner commitments detailed in Annex 3 of Consortium Agreement

- **Activity execution plans due end of May 2008**
  - Partners (or technical contact) will be contacted by activity managers for details
  - Needs to be consistent with information in PPT

- **Reporting in PPT stays at first level subtasks as detailed in the Description of work and Consortium Agreement**

Enabling Grids for E-sciencE

- **QAP**
  - Ask Genevieve

- **SA2 activity metrics**
  - Set of activity metrics to monitor the progress of each activity
  - Each activity provides its "Activity Quality Assurance and Measurement plan" MSA2.1 (PM2). All gathered activity plans are the DNA1.2 deliverable "Quality Plan and Measurement Plan"
  - Tools or necessary manpower to provide metrics need to be foreseen

Enabling Grids for E-sciencE

- **PM1 (May'08):**
  - **SA2 Activity Execution plans delivered to PO**
- **PM2 (June'08):**
  - **Each activity provides "Activity Quality Assurance and Measurement plan"** (Mxxx.1)
  - describing in particular their Activity review process and outputs needed for Federation Reviews; details of activity metrics program
- **PM3 (July'08):**
  - **EGEE-II final review,** *8-9 July 2008*
- **PM9 (Jan'09) & PM21(Jan'10) - at the latest**
  - Specific Activity reviews → not for SA2
- **PM10 (Feb'09) & PM22 (Feb'10)**
  - **Each country to provide Country Status Report**
- **PM24 EGEE-III final review,** *May/June 2010*

MSA2.1	Activity Quality Assurance and measurement plan	SA2	CNRS	2	Definition of the activity-internal QA measurements and procedures. This will provide input to DNA1.2.
MSA2.2.1-4	Technical Network Liaison Committee (TNLC) meetings	SA2	CNRS	11	Technical meetings between EGEE and the NRENs about network requirements, new advanced services, etc.
MSA2.3.1-2	Status and plans for the EGEE Network Operations Centre (ENOC) procedures & tools	SA2	CNRS	5/14	These milestones will describe the current status and plans for the ENOC, in terms of procedures updates and operational tools improvements. As such it will also describe the metrics and indicators that are to be used in the DSA2.1 and DSA2.2 deliverables.
MSA2.4	Status of the use of advanced network services	SA2	GRNET	18	This milestone will describe the status of advanced network services as provided by the NRENs and GÉANT2 from the point of view of EGEE.
MSA2.5	Status of IPv6 support for EGEE	SA2	INFN	22	In this milestone, the IPv6 status in EGEE will be assessed in both the middleware and the infrastructure. An analysis of the advantages and drawbacks of the migration to IPv6 will be also given.

egee

Enabling Grids for E-sciencE

Deliverable No	Deliverable title	Delivery date	Nature	Dissemination Level	Deliverable description
DSA2.1	Status of the EGEE Network Operations Centre (ENOC)	11	R	PU	This deliverable will describe the status of the ENOC according to the plans and metrics described in MSA2.3.1
DSA2.2	Assessment of the EGEE Network Operations Centre (ENOC)	20	R	PU	This deliverable will assess the status of the ENOC according to the plans and metrics described in MSA2.3.1 and MSA2.3.2

Enabling Grids for E-sciencE

- **General instruction for EGEE III**
  - Avoid a participation less than 50% per a person
  - One partner focus on one task
- **Need a regular feedback for the AMB weekly report**
  - Few lines are enough
- **The follow-up of each sub-task**
  - Phone or video conference each 3 weeks at least each month with the member of the sub-task
  - Avoid a "tunnel effect"
- **Deliverables and milestones**
  - On time
  - Short
- **Your proposal …**

Enabling Grids for E-sciencE

- **Collaboration with other activities and network providers**
- **Try to appeal to you as minimum as possible**
- **Your job for EGEE III**
  - To do your own sub-task as committed at transition meeting
  - But also
    - PPT
    - Conferences
    - Review, milestones, deliverables (on time) / very important

Questions & comments