egee

Enabling Grids for E-sciencE

EGEE-III Transition Overview

Tomasz Szepieniec, Marcin Radecki, CYFRONET
Bratislava, CE ROC transition meeting

www.eu-egee.org

Information Society
and Media

Enabling Grids for E-sciencE

- **Goals of the meeting**
- **Overview of SA1 in EGEE-III**
  - Changes
  - Focus of goals
  - Activities
  - Issues
  - Bodies of SA1 & meetings
- **CE Resources in EGEE-III**

egee

Enabling Grids for E-sciencE

- **Understand changes in SA1 in EGEE-III**

- **Discuss challenges and improve organization of activities**

- **Assign people for each activity and define the way of reporting and evaluating the work done**

- **Gain understanding of transition towards EGI/NGIs operation model**

eGee

Enabling Grids for E-sciencE

- **New SA1 leader: Maite Barroso Lopez, CERN**
- **Activity leaders**
  - Operations metrics and SLAs: John Shade
  - Interoperations (OSG, Naregi, etc): Nickolas Thackray
  - *Pre-production service: Antonio Retico*
  - Oversight and management of Grid operations: Nicholas Thackray as ROC manager coordinator, and all ROC managers
  - *Grid operator on duty: Helene Cordier, CNRS*
  - Coordination with related infrastructure projects (John Shade)
  - QAG representative (Nicholas Thackray)
- **Reporting - each region provided**
  - Allocation of tasks to partners, effort (PMs) to partners
- **More frequent F2F meetings in SA1**
  - Each 3 months F2F meeting and **report from each activity**
- **Federations reviews in EGEE-III**
  - Based on good experience from EGEE-II

Enabling Grids for E-sciencE

- **SA1 teams formed**
  - OCC (Maite Barroso, Nicholas Thackray, John Shade)
  - ROC managers (coordination: Nicholas Thackray)
    - AP: Min-Hong Tsai
    - CE: Aleksander Kusznir
    - CERN: Diana BosioFrance: Rolf Rumler
    - DECH: Sven HermannItaly: Luciano Gaido, Tiziana Ferrari
    - NE: Jules WolfratRussia: Alexander Kryukov
    - SEE: Ognjen Prnjat
    - SWE: Kai Neuffer
    - UKI: Claire Devereux
  - SA1 Technical Team (site representatives: Daniele Cesini, Jeff Templon, Alessandra Forti, Steve Traylen)
  - Grid Operator on Duty Coordination (Helene Cordier)
  - Resource Allocation Group (Tomasz Szepieniec)
  - User Support Advisory Group (Maria Dimou)
  - Operations Automation Team (James Casey)

- **Retain framework of EGEE and EGEE-II model**
- **Improve responsiveness & address problem areas**
- **Adapt to EGI/NGI model**
  - Plan with this requirement in mind
  - Integration with national/regional grid initiatives
- **Reduce effort for daily operations activities**
  - All levels: OCC/ROCs/sites
  - Automation of tools
  - Improve service reliability and manageability

- **Main teams remain the same**
  - OSCT: Coordination
  - GSVG: Middleware vulnerabilities
  - JSPG: Common policy
- **Closer to sites**
  - Security audits
  - Training & support for sites
  - Best practices & operational recommendations
- **Ongoing assessment of operational and MW security**

Enabling Grids for E-sciencE

- **Area to strengthen: experienced or trained staff**
- **Operations support – through GGUS**
- **User support – helpdesk, call centre – as effort from ROCs + front-line from VOs**
- **VO support – team within the VO**
- **Application integration – to help „gridify" users' applications**
- **TPM – to ensure ticket assignment and follow-up – effort from ROCs**
- **GGUS is critical**
  - Fail-over & backup
  - Documentation
- **Trainings for site admins & users – together with NA3**

Enabling Grids for E-sciencE

- **Resource Allocation Process**
  - weak point of EGEE-II
    - how a new-coming VO gets resources in Grid?
  - In EGEE-III
    - Partners in SA1 will be required to commit part of resources for new VOs
    - „Seed resources" - resources and services to attract new VOs – paid explicite by project
    - Procedure on how to identify, contact, configure new Vos
    - New group to coorinate the process
- **Improve reliability**
  - Sites: site availability monitoring & SLA signing
  - Middleware
  - Services

- **ROC Managers group (aka SA1 coordination)**
  - Frequent F2F meetings
  - Define acceptable service availability
  - Prioritisation of work on operations tools & services
  - Gathering feedback from sites on the above
- **Operations Automation Team**
  - Coordinate monitoring tools & developments towards **automation**
  - **Strategic** decisions, evaluate directions
  - Membership almost established
  - First meeting sheduled with EGEE-II/III transition meeting at CERN 7-8th May
- **SA1 Technical Team**
  - A few site representatives
  - Identify common site issues & propose solutions
  - Manage and follow-up site technical issues
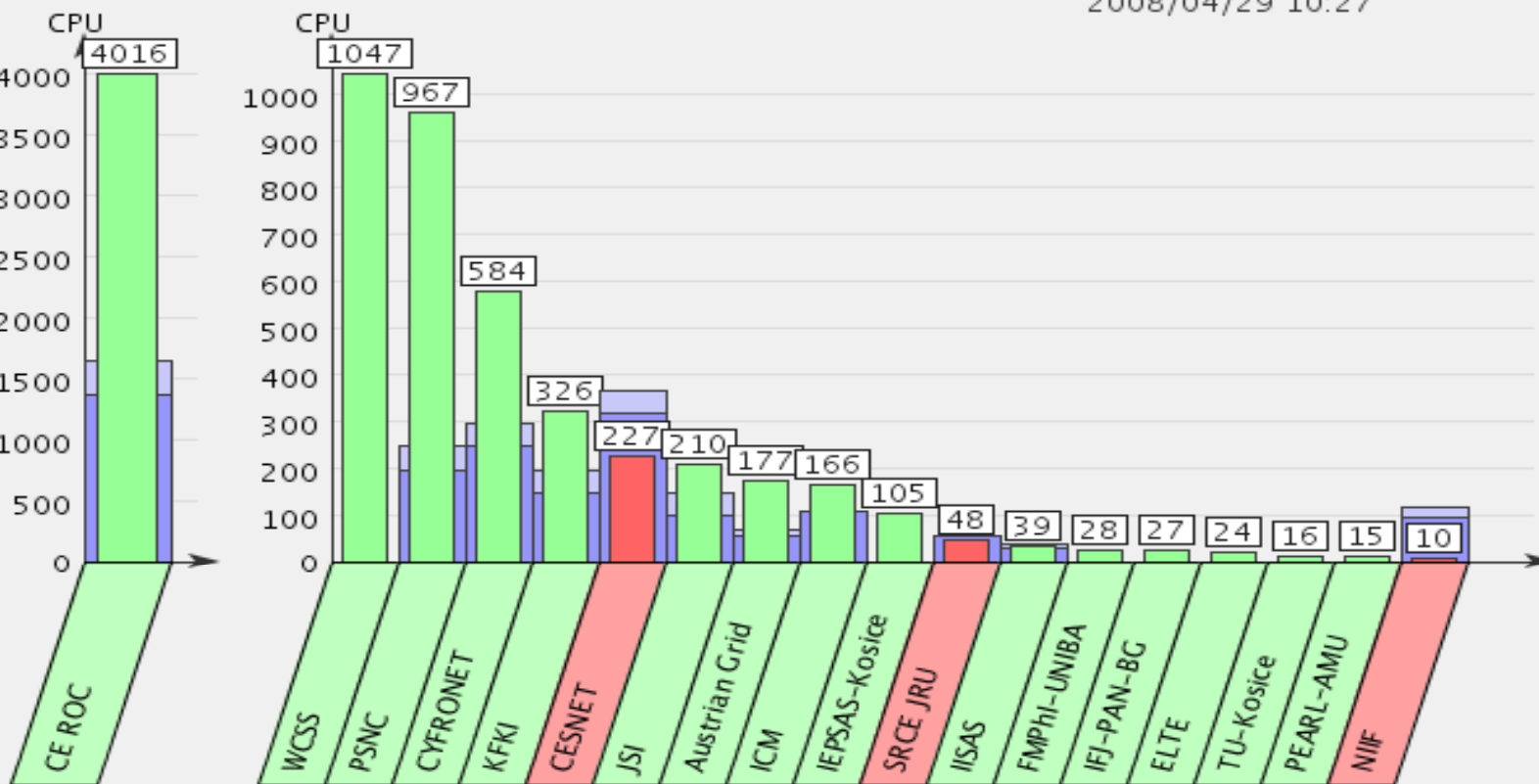
- **User Support Advisory Group**
  - Composed of activities using GGUS
  - Suggest improvements to tool and process

- **Resource Allocation Group**
  - Manage resource allocation to new & existing Vos

- **Grid Operator on Duty**
  - Move from central model to regional
    - Regional CODs and „thin" central COD
    - Cooperation of R-CODs
    - Regionalisation of tools
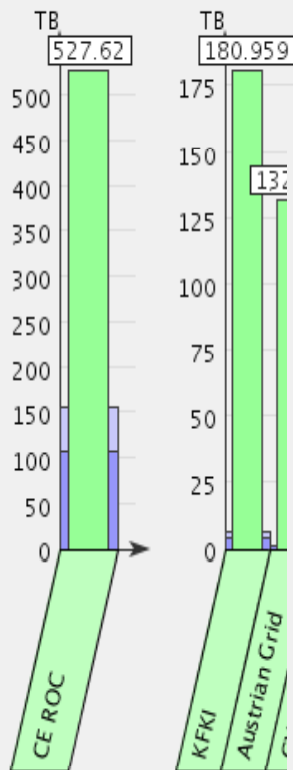
Commitment for EGEE-III

	No. of Sites	CPU (kSI2k)	CPU – today	TB	TB – today	Seed CPU (kSI2k)	Seed TB
Austria	5	908	177	120	132	8	0,2
Croatia	3	200	49	4,4	12	40	1
Czech Rep.	4	350	227	30	51	10	1
Hungary	5	200	360	40	191	0	0
Poland	5	5095	2806	230	90	165	5
Slovakia	1	200	160	2	8	20	0,5
Slovenia	1	300	210	150	29	0	0