



Enabling Grids for E-science

EGEE2 Technical Overview: SA1 and SA3

Ognjen Prnjat, Kostas Koumantaros

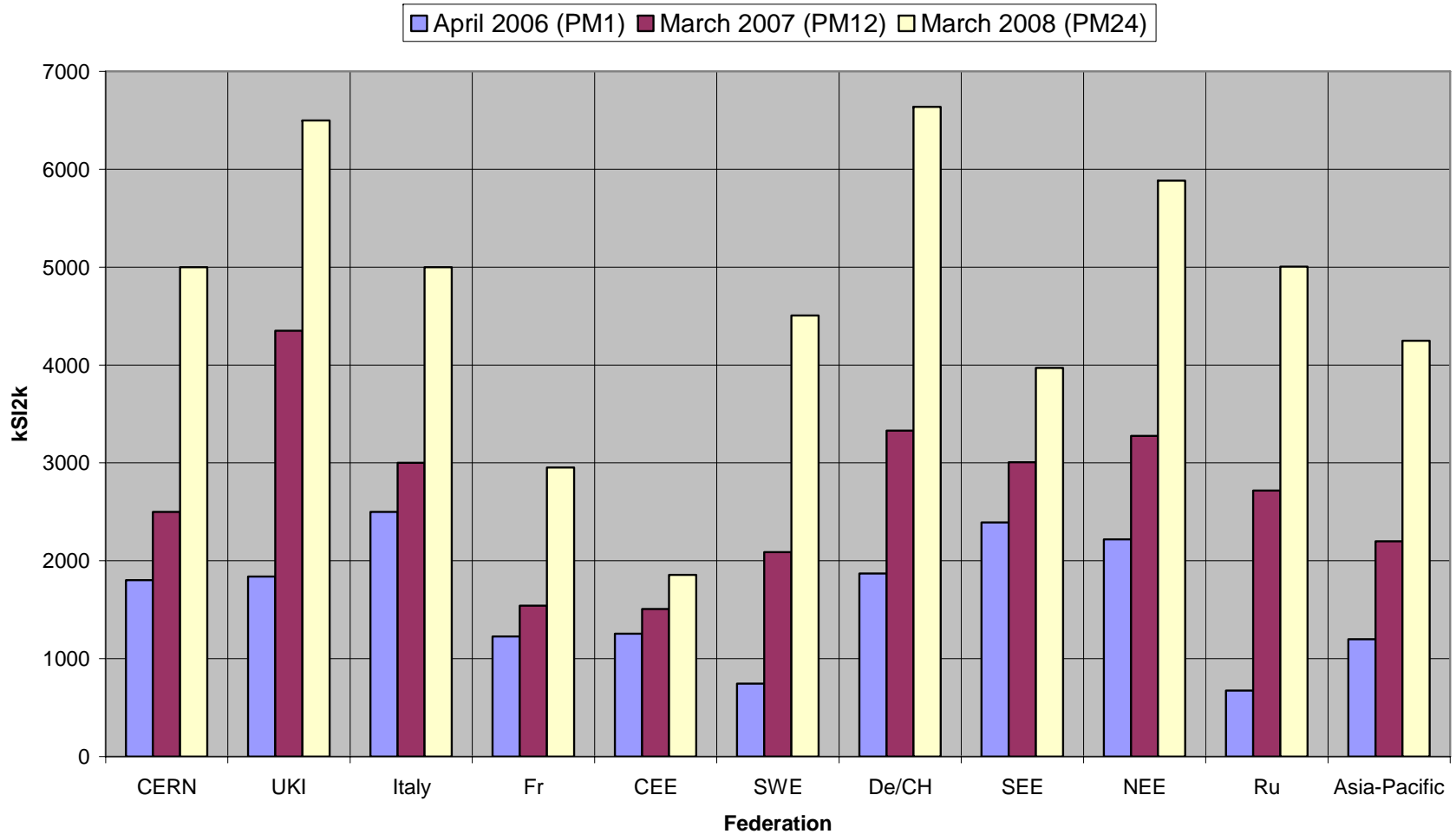
*EGEE-HellasGrid Coordination meeting,
Athens 12-13/3/2006*

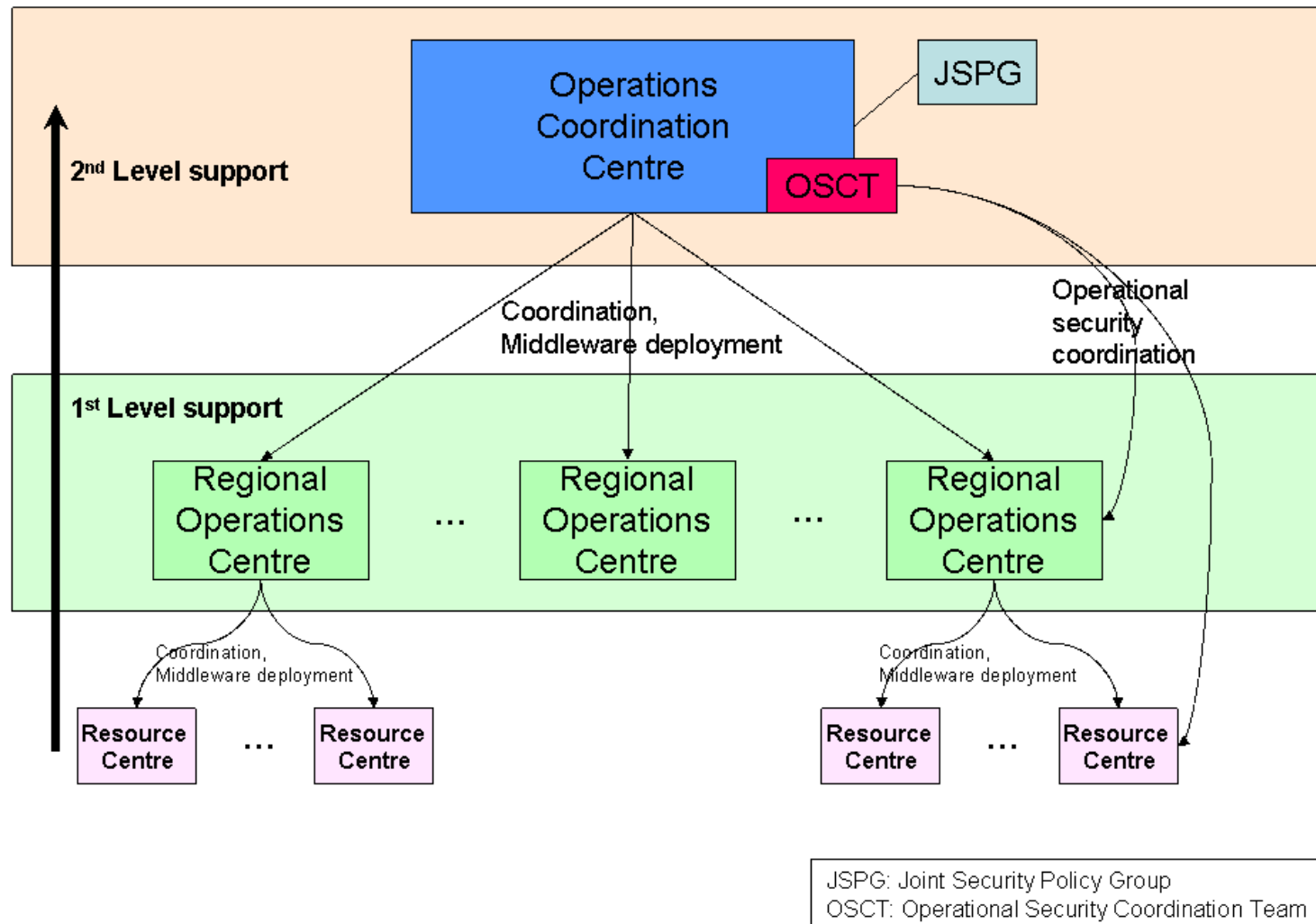
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- **No distinction between ROCs and CICs: all ROCs**
- **SEE is the LARGEST ROC with:**
 - 7 countries
 - 35+ planned sites with total of comparable resources to others
 - 31 FTEs
 - (CERN 20, CE 20, UK 15, FR 25, It 30, etc.)
 - (focused teams above 5 are not manageable)



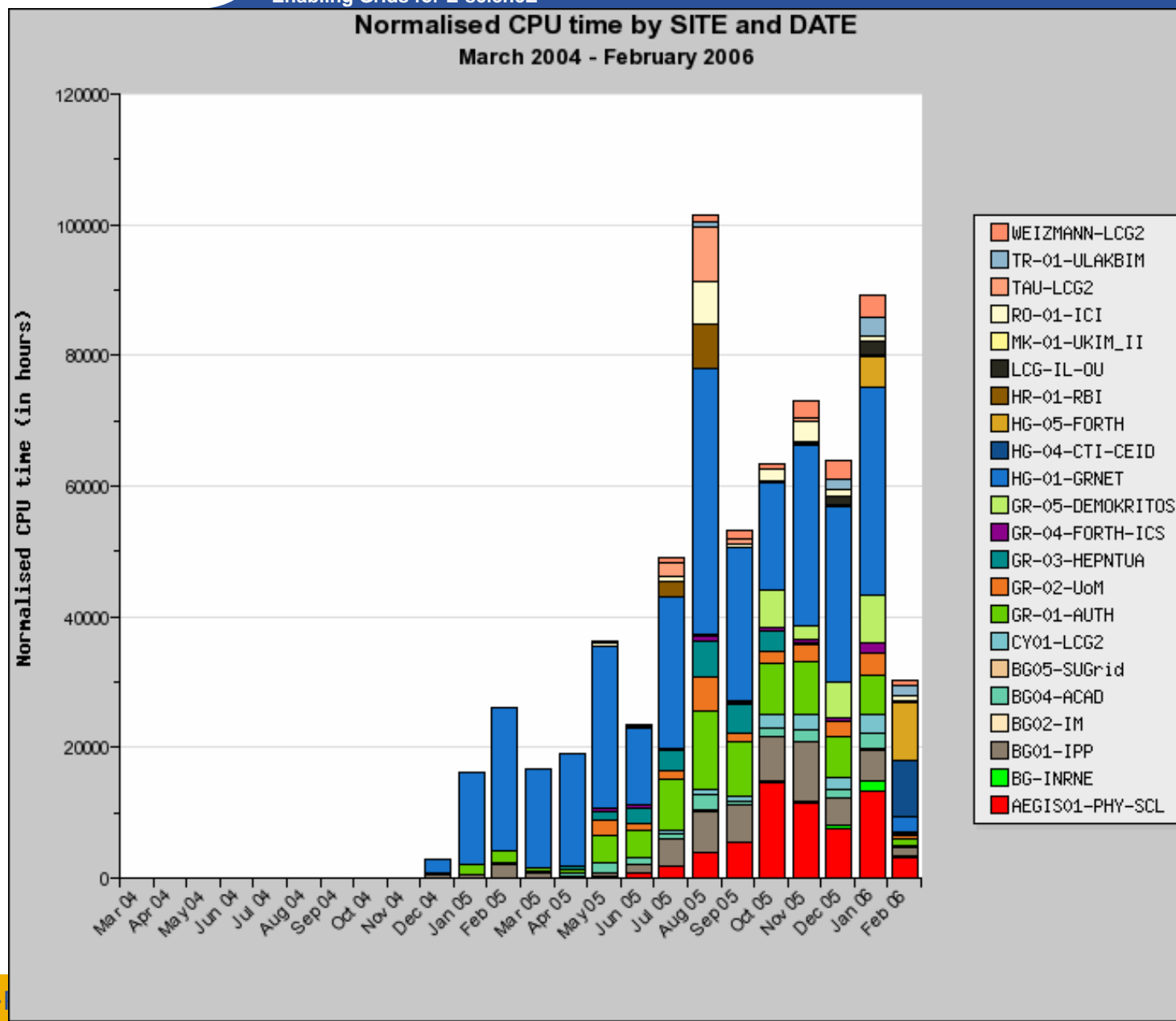


- “Central ROC” no longer able to support sites directly
- **Country-level Operations Centre taking role of what central ROC does now**
 - Registration
 - Site certification (SFTs run in Greece), debugging by countries
 - Deployment coordination
 - Full responsibility for operational problems (chasing tickets, fixing problems)
 - Country reps chasing sites for **weekly reports**
 - (If major issues occur Site admins should contact their Country rep who will in turn compile a report and contact the Central ROC.)

Metrics at country level?

- **Production**
- **Operations-related extensions to middleware, fabric management tools, middleware installation tools, monitoring tools, operational tools, metrics probes, etc. Need pro-activeness!**
- **VO support, integration support (also from NA4)**
- **User and site admin training**
- **Contribution to GGUS support teams: global operational and user support**
- **Local SLA management**
- **Local accounting and metrics coordination**

Target: increase availability



- **Pre-production in Greece, Romania, Israel**
- **Operational coordination and pro-active monitoring:**
 - First COD Bulgaria (short-term solution)
 - Will try to support non-hierarchical COD solutions i.e. leave it up to federation. Then we will setup our local COD.
- **Running essential Grid services**
 - Regional (ie regional SEE VO; infrastructure services)
 - For specific VOs
 - All sites, front line Israel, Cyprus, Greece
- **Security and incident response**
 - Greece, Bulgaria
- **ROC Helpdesk: Romania**
 - But supporters from all countries!

- **Security – Auth**
- **Core operations service - ICCS**
- **Monitoring and accounting coordination – FORTH**
- **User support coordination – CTI**
- **Application support - Demokritos**

- **Pre-production – UoM, UoPatras**

- **SA3 will provide certified distributions of middleware ready for deployment by SA1 on the infrastructure.**
- **The middleware components will be drawn from EGEE/JRA1 and from external projects, with the goal of satisfying user application and operational requirements;**
- **Provide missing “glue” components and tools, and focus on debugging and analysis of problems;**
- **Make the middleware work effectively as a complete system;**
- **Certification of distributions with a full set of testing activities covering all aspects of functionality, reliability, security, etc.**

- **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**