



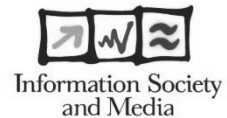
Enabling Grids for E-science

SA3 all hands, Prague

Welcome and Introduction

Oliver Keeble
CERN

www.eu-egee.org



- **Reestablish contact**
- **Review the mission**
 - See how we are all doing
 - Discuss the issues
- **Identify possibilities for collaboration**
- **Socialise...**

- **Your chance to ask the developers questions**
- **Some sessions have been combined**
- **We will have public discussions on how the two activities interact**
 - Within a 'cluster of competence'
 - Between CoC/SA3
 - Via ETICS

Manpower: EGEE III, 17 institutes, 33 FTE

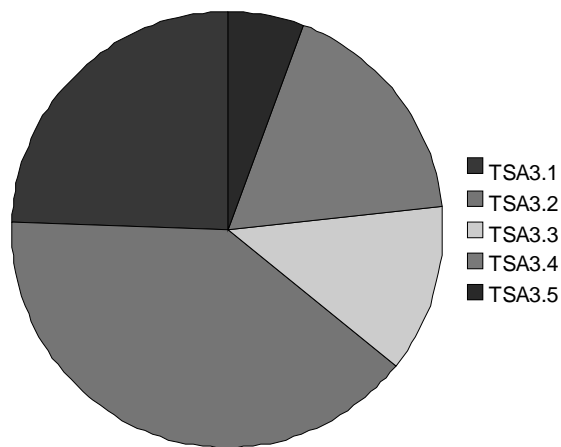
Short Name	EGEE-III
CERN	396
PSNC	24
TCD	36
INFN	96
UCY	12
GRNET	30
CSIC	8
PIC	12
CESGA	12
CESNET	24
FOM	24
UH.HIP	12
IINR	10
PNPI RAS	10
SINP MSU	10
STFC	36
ASGC	40
Total	792

EGEE III 17 partners 33 FTE

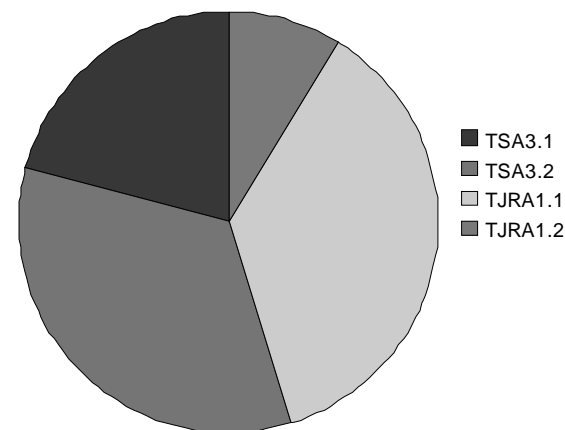
Significant resources co-located with JRA1 effort (including CERN DM)

Approx 1FTE per partner

- **TSA3.1: Integration, configuration and packaging (186PM)**
- **TSA3.2: Testing and certification (319PM)**
- **TSA3.3: Support, analysis, debugging, problem resolution (100PM)**
- **TSA3.4: Interoperability & Platform support (141PM)**
- **TSA3.5: Activity Management (46PM)**



Distribution of tasks in SA3



Software change management SA3/JRA1

- **At the project level**

- Progress towards EGI.org

- gLite consortium

- UMD...

- The EGEE response (DNA1.4) is being completed now

- 13 AMBs

- 12 TMBs

- New technical director

- ...



“The review panel concludes that the project has been outstandingly successful, both in its individual activities and in its project management”

22. SA3. Build on and expand the test coverage achieved in EGEE-II through the development of regression test suites and increased use of test automation.

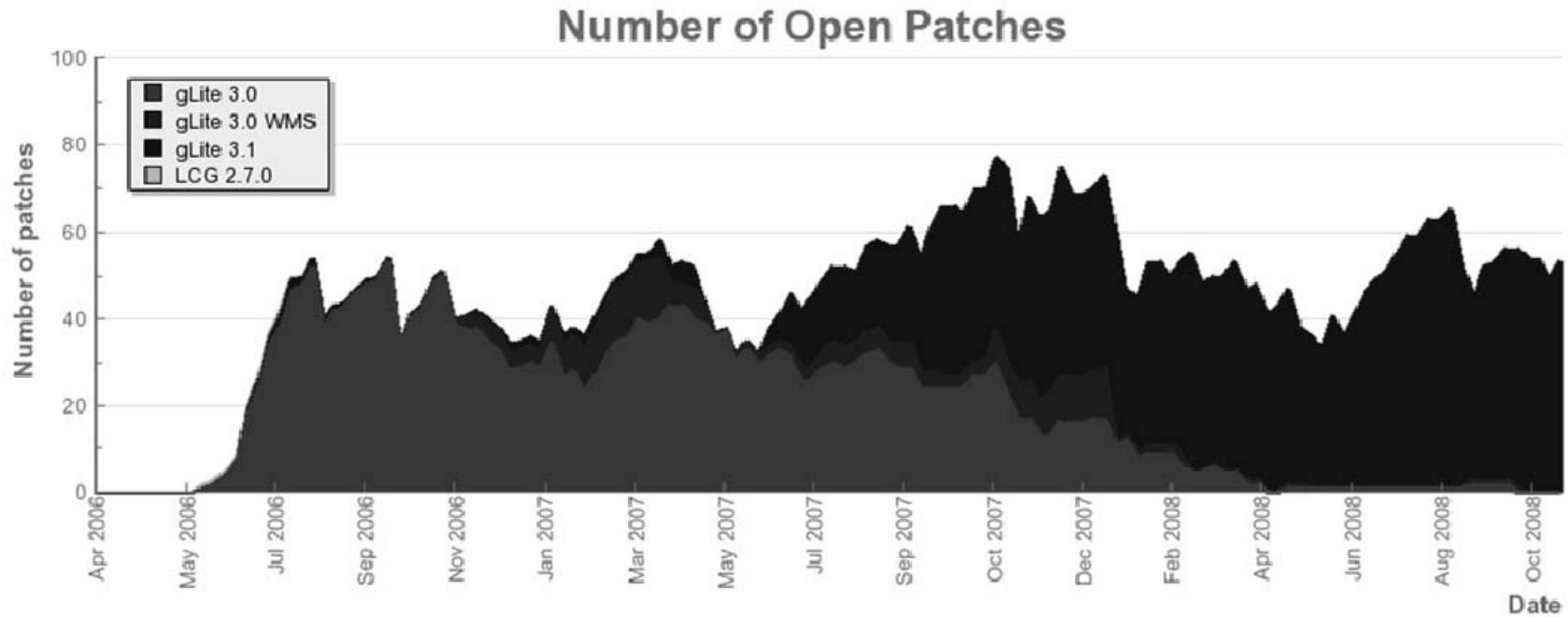
23. SA3. In patch processing, ensure that a balance is maintained between the patch production function (JRA1) and the patch testing and release function (SA3), in order to achieve an optimal patch latency.

24. SA3. Build on the SA3 processes in EGEE-II to ensure multi-platform support is achievable with available resources. In particular, reinforce the client-server code separation to ease the expansion of client platform support.

25. SA3. Continue the EGEE-II practice of increasing the distribution of the testing activities to partners with thorough central coordination and greater co-location of developers and testers.

- **Release of CREAM**
 - Pre release testing made a difference
 - ICE
 - Proxy renewal
- **SCAS in certification**
 - glexec
- **FTS/SL4**
 - almost there...
- **SL5 WN**
 - In testing with HEP community at CERN
 - Some SL/SLC/CentOS variability

- **Hydra certified**
- **dCache 1.8 released**
- **Increase in test coverage**
- **Completion of workplan and execution plan**
 - <https://edms.cern.ch/document/910440/1>
- **We have obsoleted some services...**
- **Most of all, gLite release process has continued**





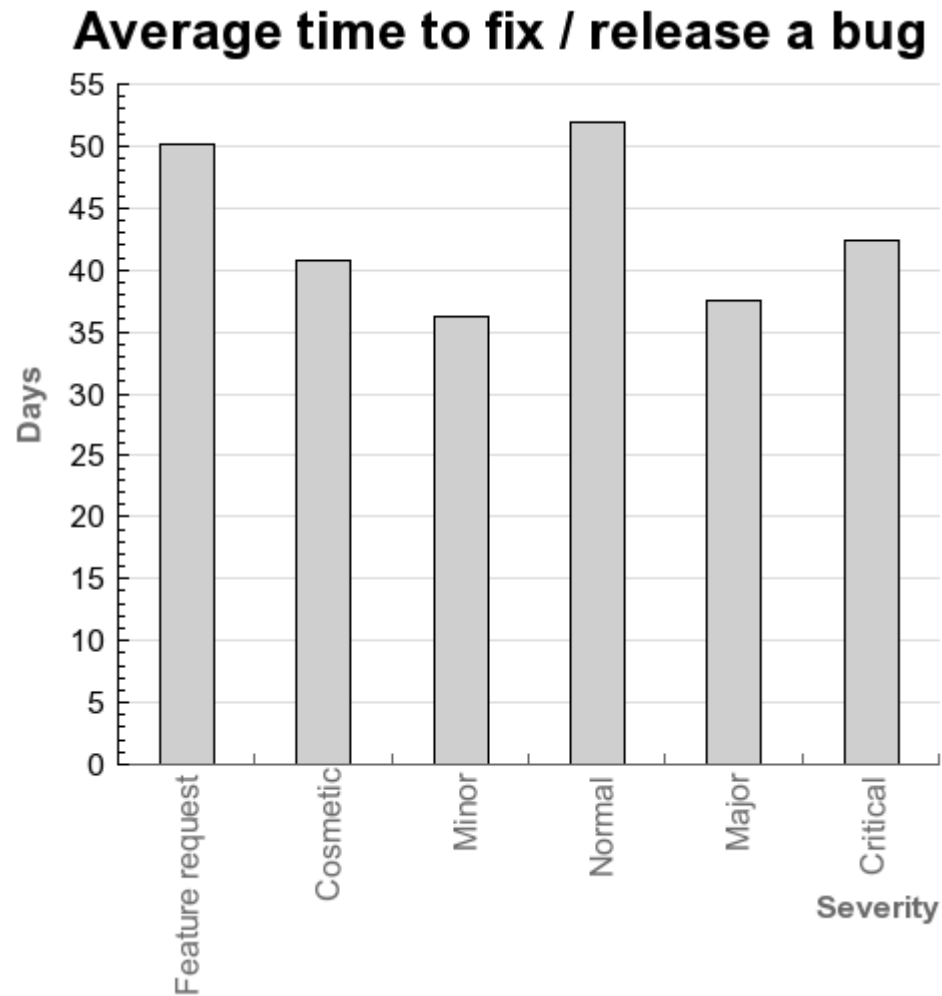
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Milestone reviews

PM	ID	Title	SA3 Reviewer	Deliverable Description	Lead Beneficiary
1	MJRA1.1	Middleware support web page	CERN Laurence Field	Deploy a web site with the relevant information needed by middleware users (including other project activities). It should include links to support contacts to be kept up to date during the life of the project.	INFN
1	DNA4.1	Work Plans for Strategic Discipline Clusters	CERN Andreas Unterkircher	Detailed plans for the support, development, and testing activities for each strategic development cluster. The plan should include description of each task, goal of the task, expected effort, and people involved.	CNRS
2	MSA1.4	Security Assessment plan	CZ (JRA1) Daniel Kouril	Plan for the ongoing assessment of operational and middleware security	STFC
3	MJRA1.3.1	Functional Description of Grid Components and associated Work Plan	CERN Oliver Keeble	Functional description of services reengineered by JRA1 in response to TMB requirements including initial design and associated work plans. A live version of the work plans will be maintained on the Middleware web page.	INFN
3	DNA1.2	Quality Plan and Measurement Plan	INFN Eisabetta Molinari	This report will outline the QA process and metrics devised for the project to monitor progress of the activities and of the project as a whole. This plan will also include the procedures and initial schedule for the federation reviews.	BT-IC
4	MJRA1.4	gLite Security Architecture	TCD John Walsh	Overall (global) security architecture of the gLite middleware. This document will summarize the current situation and describe the foreseen evolution during the lifetime of the project.	SWTCH
11	MJRA1.3.2	Update of Functional Description of Grid Components and associated Work Plan	CERN	Update of Grid Components functional description and associated Work plan.	INFN
11	DJRA1.1	Report on Middleware Service Engineering and plans for the second year	CERN	Report on progress of engineering, services delivered to SA3, compliance with TMB requirements, standardisation and cooperation results. This includes the status of platform support and interoperability.	INFN
11	DNA1.5.1	Annual Report on quality status	IFAE	This report will provide an annual review of the QA status of the project	CERN
11	DNA4.3	Summary of Work Performed and Updated Work Plans for Strategic Discipline Clusters	STFC	This deliverable will contain a summary of the work performed in the first year of the project within each development cluster and an analysis of how that work has impacted the associated application sector, and a summary of the contents of the RESPECT programme. The report will also contain work plans for the second year for each cluster, updated to reflect the experience gained in the first year of the project.	CNRS
11	MSA1.8	Grid Security Vulnerability and Risk Analysis Grid Security Vulnerability detection, Risk Assessment, Handling, and Prevention strategies	INFN	In EGEE-II the Grid Security Vulnerability group (GSVG) produced a deliverable which described a strategy for processing vulnerabilities issues. In EGEE-III an update of this strategy as a result of experience will be provided, and describe some of the problems encountered in handling issues and how they were resolved. A description of which strategies for the prevention of the introduction of vulnerabilities were effective will also be made. Although this document's dissemination level is restricted, A public executive summary will be made available if required.	STFC

MSA3.1	Activity Quality Assurance and measurement plan	SA3	CERN	2	Definition of the activity-internal QA measurements and procedures. This will provide input to DNA1.2.
MSA3.2	Strategy and roadmap of the EGEE multi-platform support	SA3	TCD	3	This includes the support for additional batch systems. The results achieved will be reported in DSA3.2.
MSA3.3	Strategy and plans for Interoperability with other grid infrastructures	SA3	CERN	4	This includes identification of applicable standards and areas where standardisation efforts are still required. It will also feature an analysis as to what extent the gLite distribution adheres to these standards.
MSA3.4.1	Definition and documentation of the revised software life-cycle process	SA3	CERN	4	In EGEE-III components will be integrated when they are closer to production readiness than in EGEE-II. This requires modifications to the release process. This includes the definition of the testing process.
MSA3.5.1	Deployment guide	SA3	CERN	6	EGEE middleware can be deployed in a multitude of different scenarios. This guide describes the most common setups and their limitations (can be seen as a user guide for sysadmins).
MSA3.6	Developers' guide	SA3	INFN	6	Production of a guide for use by developers

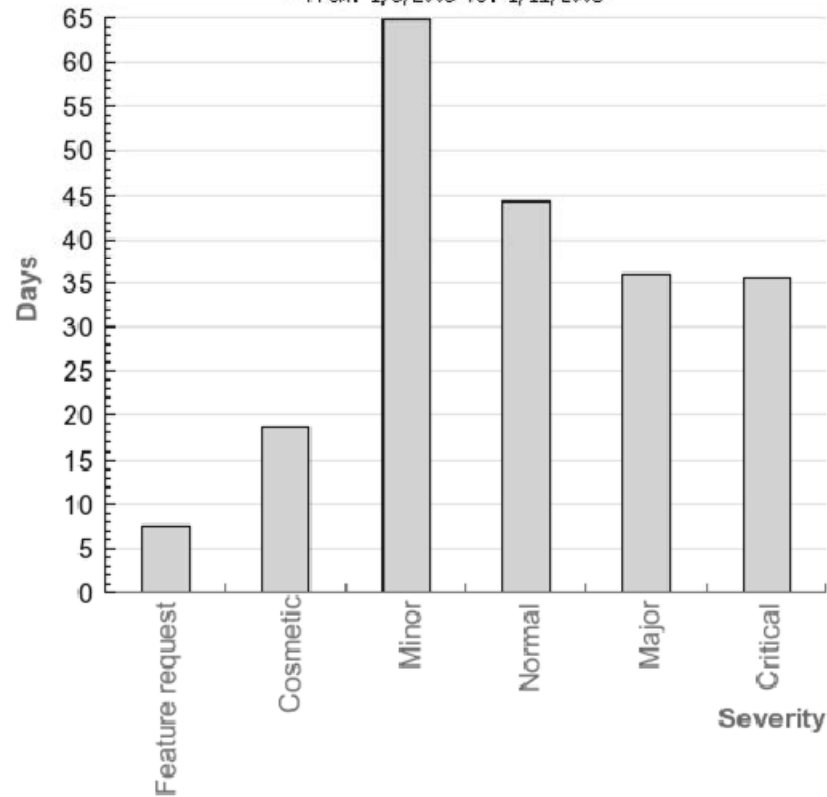
Meantime to release a fix – end EGEE-II



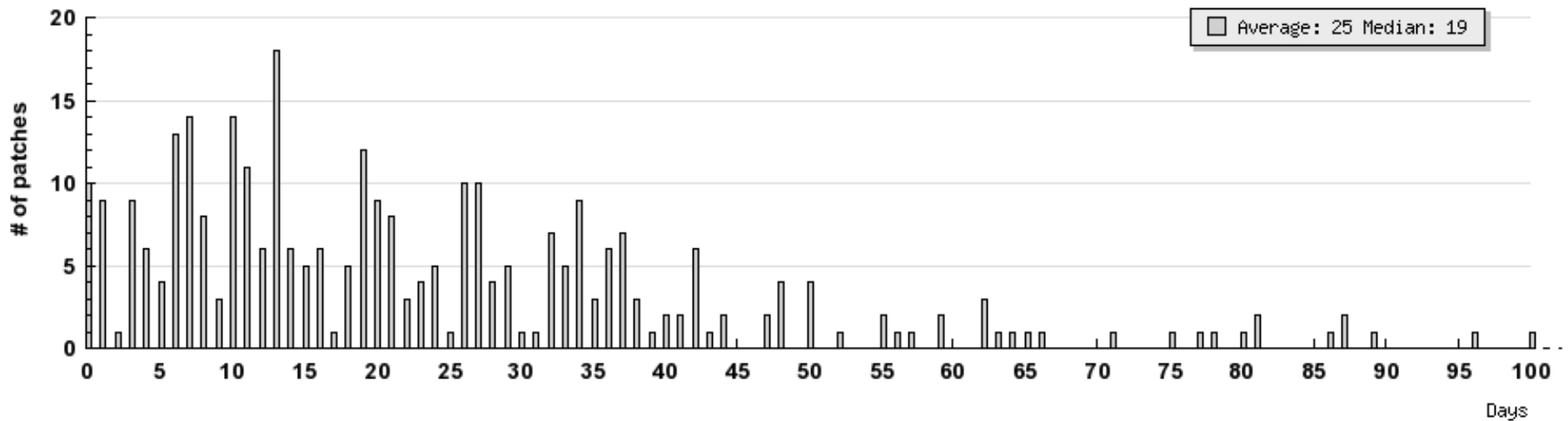
Only bugs released via a patch

Average time to fix / release a bug

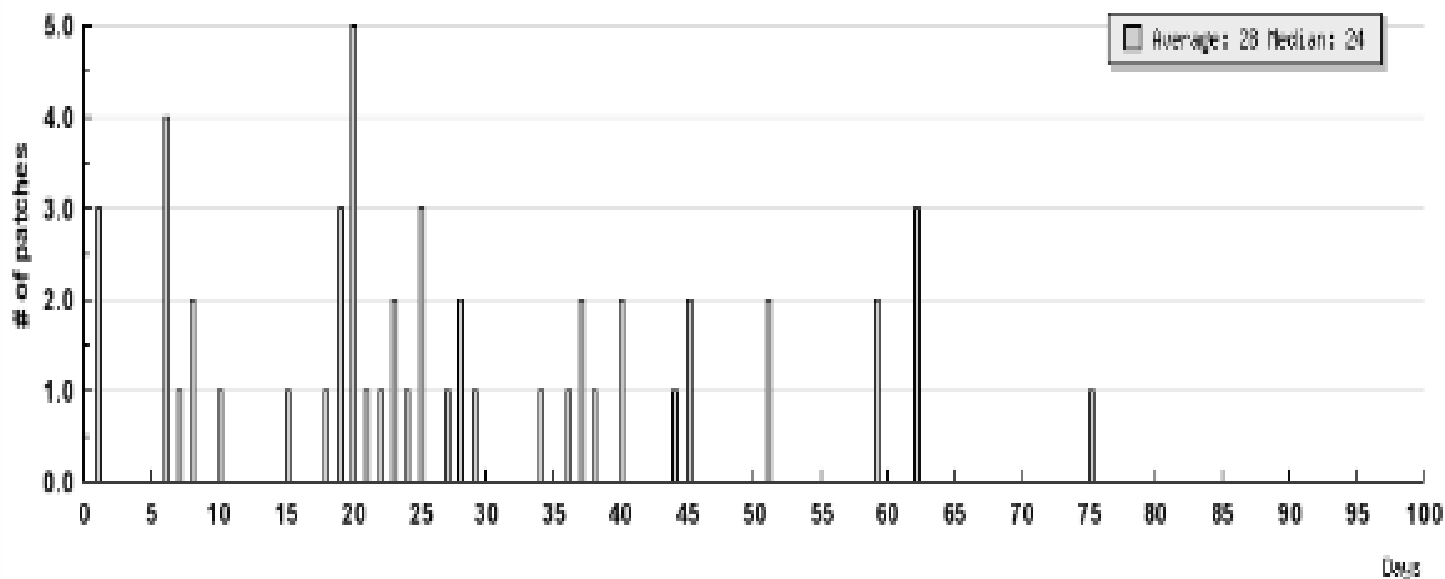
- From: 1/5/2008 To: 1/11/2008



Total time spend in certification (323 patches considered)



Total time spend in certification (51 patches considered)



Patch time spend in state 'Ready for certification' (51 patches considered)

- **Ultimate aim is to grid-enable the maximum number of resources through releases of reliable, portable middleware**
- **All this with the transition to a sustainable infrastructure in mind**