



Enabling Grids for E-science

## EGEE Technical Coordination

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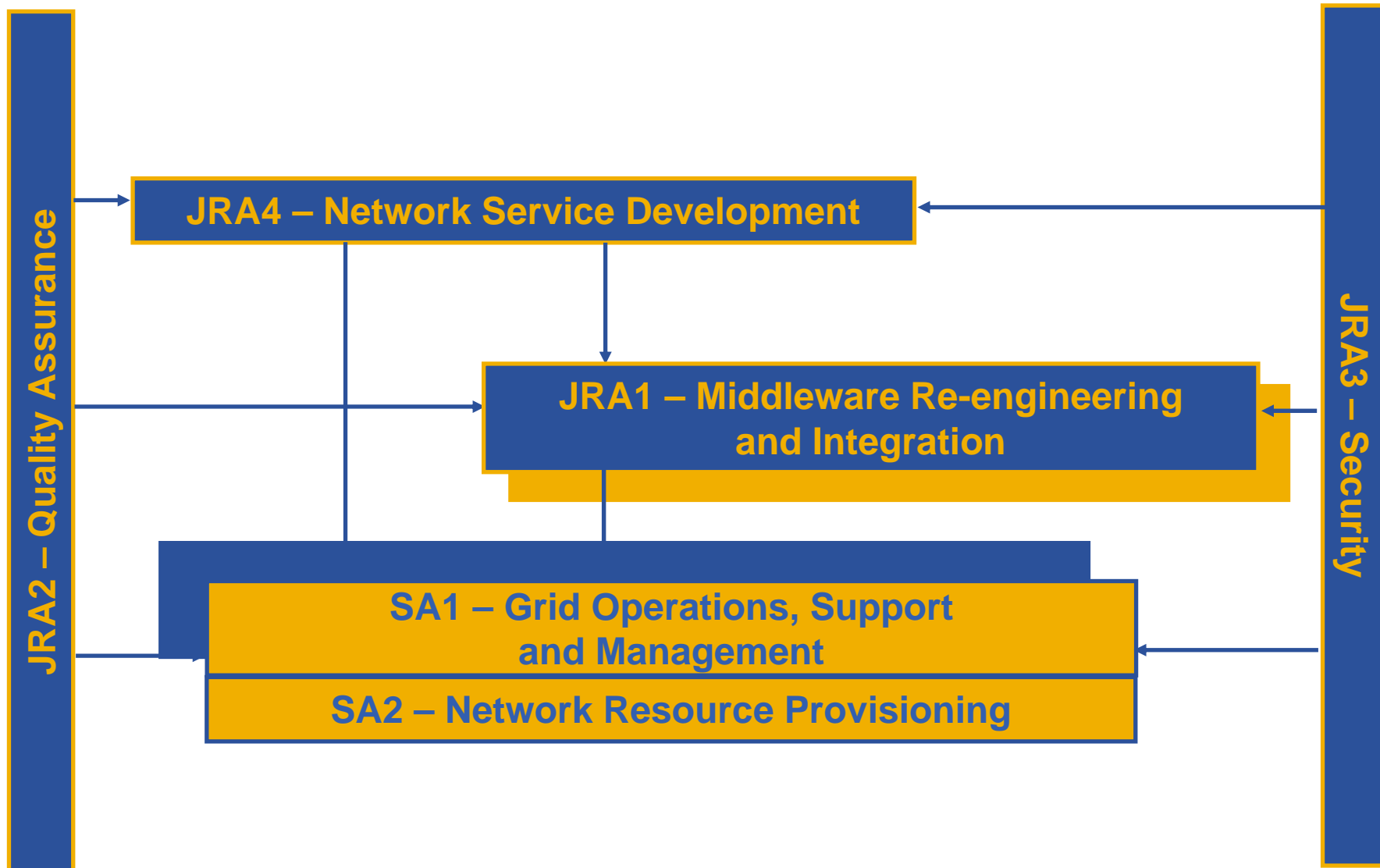
*EGEE 2<sup>nd</sup> EU review*

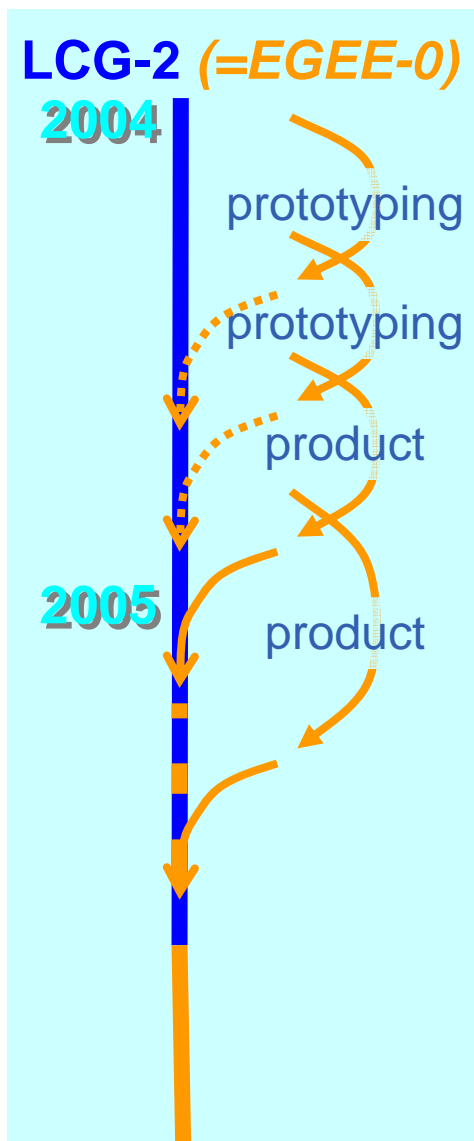
*6-7/12/2005*

[www.eu-egee.org](http://www.eu-egee.org)



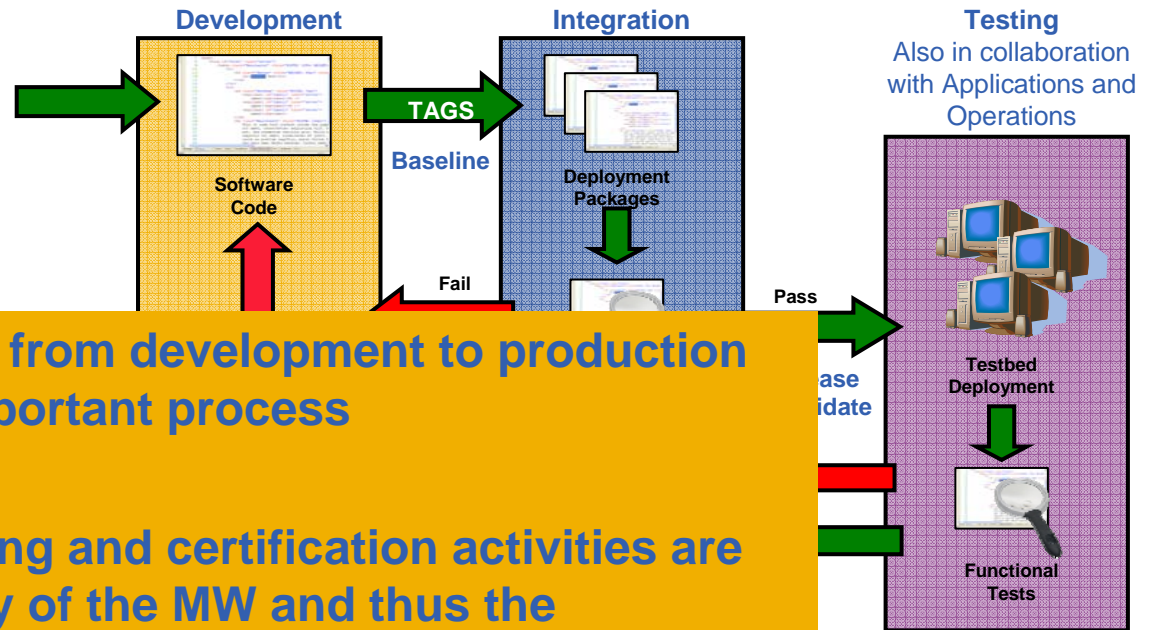
- **Focus of the review is on Service and Joint Research Activities**
  - SA1, SA2, JRA1, JRA2, JRA3, and JRA4
  - Interplay among these activities
- **From middleware re-engineering to large scale deployment**
  - Application involvement in the process
  - Convergence of EGEE distributions
- **Streamlining for next phase**





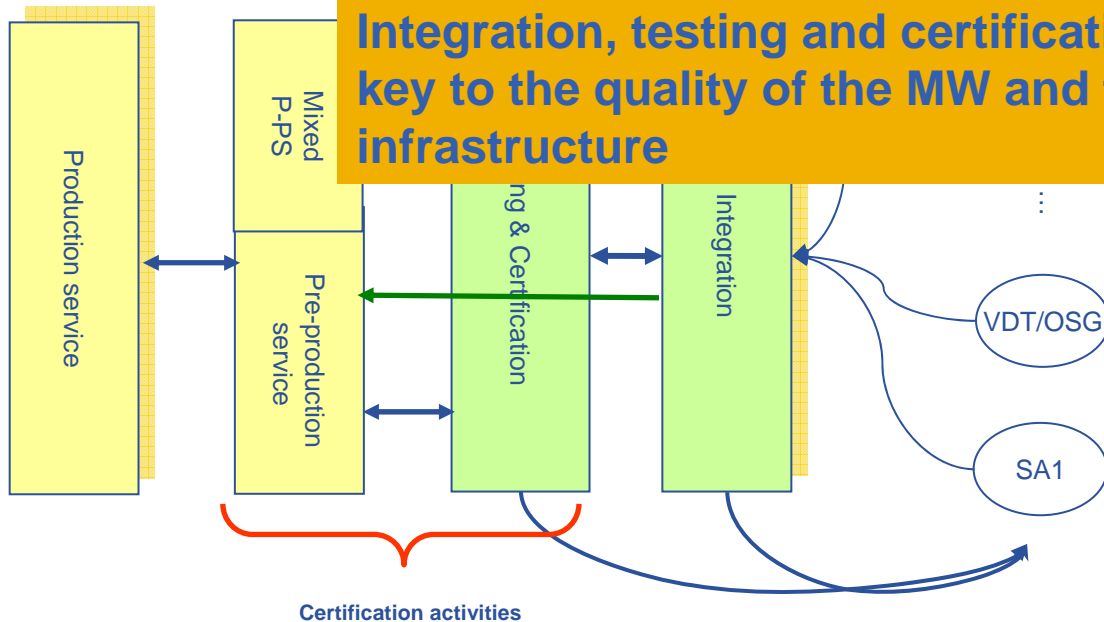
- **EGEE started with the existing LCG-2 distribution**
  - Allowed to have a large scale infrastructure from the very beginning
  - Maintained and supported
  
- **In parallel, (mainly) JRA1 re-engineered and developed MW services**
  - Distributed as gLite releases
  - Emphasis on integration and testing
  
- **After certification, gLite components are deployed on the infrastructure through the LCG-2 distribution**

## JRA1



Moving services from development to production is a long, but important process

Integration, testing and certification activities are key to the quality of the MW and thus the infrastructure



## SA1

- **Applications involved in all stages of the process**
- **Application requirements through database and task forces**
- **Review of JRA1 architecture, design, and planning**
- **Evaluate service functionality on JRA1 prototypes**
- **Evaluate service reliability and performance on pre-production service**
- **Use the services on the infrastructure**
- **Feedback to JRA1 and SA1 at all stages**
  - Applications tests being integrated in standard test suites

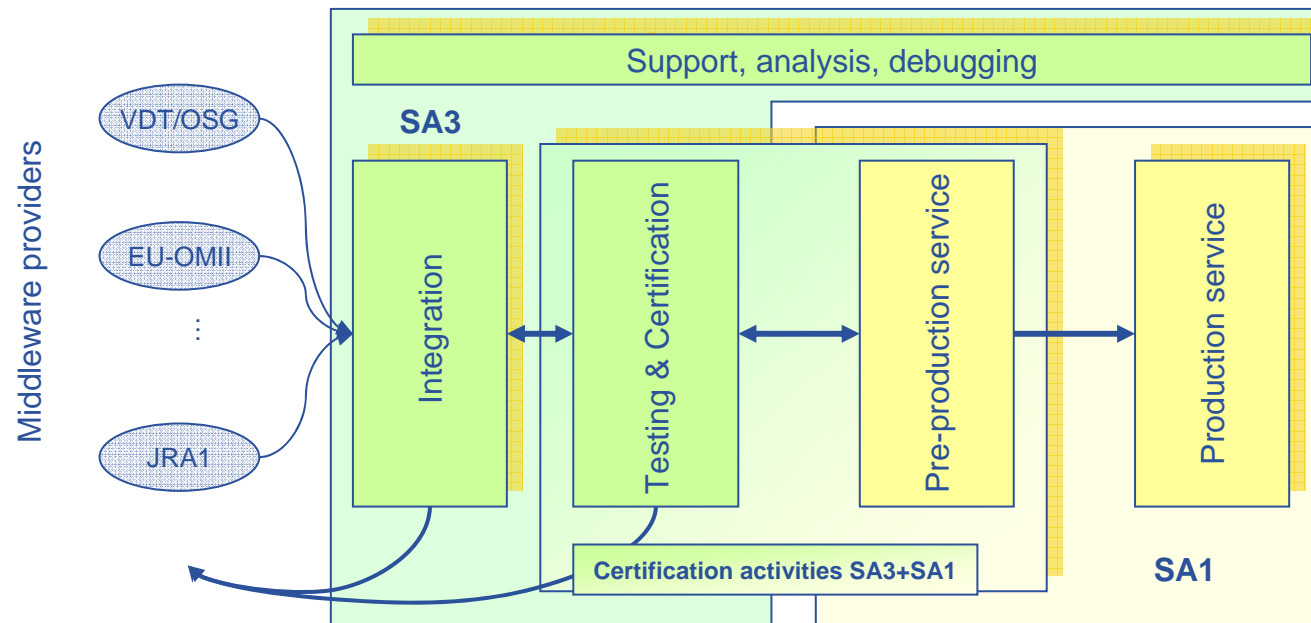
- Main gLite services:

- Computing Element (CE)
- DGAS accounting system
- Workload Management
- Logging & bookkeeping
- Job Provenance
- File Transfer Service (FTS)
- File Placement Service (FPS)
- gLite-I/O
- FiReMan catalog
- Hydra keystore
- AMGA metadata
- R-GMA I/O
- VOMS monitoring

- All gLite 1.4.1 (secure) components available on the Pre-Production Service (PPS)
- FTS, VOMS and FPS deployed on production service
- Planning for production distribution:
  1. Workload management service (WMS, L&B, CE)
  2. Data management services (FPS, FiReMan, gLite-I/O, Hydra, AMGA)
  3. Others depend on progress of certification

**Schedule depends on application priorities and readiness and quality of the services**

- Will join the JRA1 and SA1 integration and testing teams
  - Better focus valuable resources
  - Exploit synergies on currently overlapping task
  - Will create a new activity SA3 in EGEE-II





- **Since**
  - more gLite components in the production distribution
  - joint integration and testing team
- **converge on a single EGEE distribution named gLite by spring 2006**
- **Ensure all parties' participation in decision making process for new releases**
  - **Technical Coordination Group (TCG)** set up in November 2005
    - As follow-up of the Project Technical Forum (PTF)
  - Lead by Technical Director, members from operations, integration/testing, networking, middleware re-engineering, security, and application groups
  - Task: review and prioritize requirements, identify services to be included in upcoming releases, define workplan for re-engineering activities

- **SAs and JRAs are closely interworking**
- **Processes defined and operational**
- **After 18 months of experience now is the time to further streamline the processes**
  
- **More details will be given in the following presentations**