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Enabling Grids for E-sciencE

# SA1

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**www.eu-egee.org**

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- **Outstanding work in EGEE Phase 1**
- **Responses to reviewers recommendations**
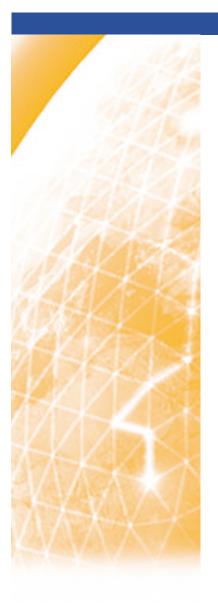
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- **Milestones**
  - MSA1.5 (PM21) CERN – already achieved
    - Expanded production grid infrastructure (50 sites)

- **Deliverables**
  - DSA1.8 (PM23) CNRS – expected to be on time
    - Final assessment of production infrastructure operation – update to DSA1.4
    - Scope reduced after 1st review to exclude part about sustainability – covered in other places
  - DSA1.9 (PM21) INFN – in review now
    - Release notes corresponding to full infrastructure (MSA1.5) – update to DSA1.2, DSA1.6

- **No issues preventing successful project completion**

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# Review recommendations

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- *"Transfer unspent budget in the SA1 activity to reinforce testing."*
  - Try to get effort from PSNC, Prague, etc.
  - Problem is not the budget – rather finding people able to do it who are available

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- *"Plan the migration procedure of service support for gLite in full production service more clearly with precise dates and mandates for each site, and advertise to the users well in advance."*
    - Technical Coordination Group
    - Release schedule – should be published – but will be frequently updated (!)
        - Anticipate:
            - *LCG-2.7.0 now (end Jan)*
            - *gLite-3.0 released to be deployed by end April (hard deadline is to have in place for SC4 starting 1 June)*
            - *gLite-3.2 Oct/Nov*
            - *Quickfixes, and potential minor upgrades (no significant new functionality) in between*

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- ***"Help to establish exemplary procedures for interoperations of more divergent infrastructures and take the lead in such activities."***
  - Significant work done with OSG
  - EGEE-II: ARC + Unicore
  - Multi-grids interoperability group
    - SA1 needs permanent members (1 policy + 1 technical)

- *"Move away from your present primary dependence on particular flavours of both processors and Linux and provide support for more heterogeneous resources, including supercomputers, to allow increased collaborative adoption at major computing centres."*
  - ETICS should help – provide base
  - JRA1 must commit to supporting multiple platforms
  - SA3 (SA1) has several partners who do porting
  - Need to set some realistic goals for platforms to be supported:
    - Certified as part of the main release (1 or 2 only)
    - Ported to by partners
      - *This needs the infrastructure to support it (ETICS + ???)*
  - Collaboration with DEISA (are they interested?), TeraGrid?

- *"Carry out a more detailed analysis of the EGEE applications to evaluate which added value guaranteed bandwidth versus best effort bandwidth provisioning will bring to them and to ensure bandwidth requirements can easily be expressed by the application developers as a function of the problem size being solved by a given application run."*
  - SA1 can help determine what the implications would be, and how to deploy any proposed service
  - Analysis of the applications should be by NA4/SA2

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- *"Establish key benchmark applications, with an understanding of their gating factors so that it can be predicted how new middleware releases will affect their stability, usability, performance, etc."*
    - Agree these are needed
        - We have something from Geant4 only
    - Applications must commit effort to this
    - SA1 can help instrument these applications
    - Can tie them into (for example) SFT or similar framework for automation