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Outline

- Operations centres from EGEE-III to EGI-InSPIRE
- EGI Infrastructure
 - Operational Level Agreements
 - Infrastructure provider MoU
 - Operations Management Board
- QR1 accomplishments
- Roadmap



Central Europe

- Stop of operations of Central Europe regional operations centre in August 2010. The respective NGI become operational indepentent:
 - May 2010: Poland
 - June 2010: Slovenia, Croatia, Slovakia and Czech Rep.
 - July 2010: Belarus and Hungary. 2 Austrian sites under the operations of NDGF
 - Oct 2010: Switzerland



South East Europe

- Apr 2010: SEE-Grid-SCI countries joined the South East Europe ROC
 - Albania, Armenia, Azerbaijan, FYR of Macedonia,
 Georgia, Moldova, Montenegro
- New independent NGIs
 - Apr 2010: Greece
 - Jun 2010: Serbia
 - Turkey, Bulgaria, Armenia, Israel and Romania entered this process



Multi-country regions

- Asia Pacific (Australia, China, India, Japan, New Zealand, Malaysia, Philippines, South Korea, Taiwan, Thailand)
- Canada (Canada, China)
- ROC IGALC (Argentina, Brazil, Chile, Colombia, Ecuador, Venezuela), and ROC Latin America (Brazil, Colombia, Mexico)
- NDGF: Austria, Denmark, Estonia, Finland, Latvia, Lithuania, Norway, Sweden, Switzerland (1 site)
- IberGrid: Portugal and Spain → South West Europe decomissioned
- Belgium-The Netherlands
- Still existing but planning to stop operations by the end of 2010
 - Germany/Switzerland
 - UK/Ireland

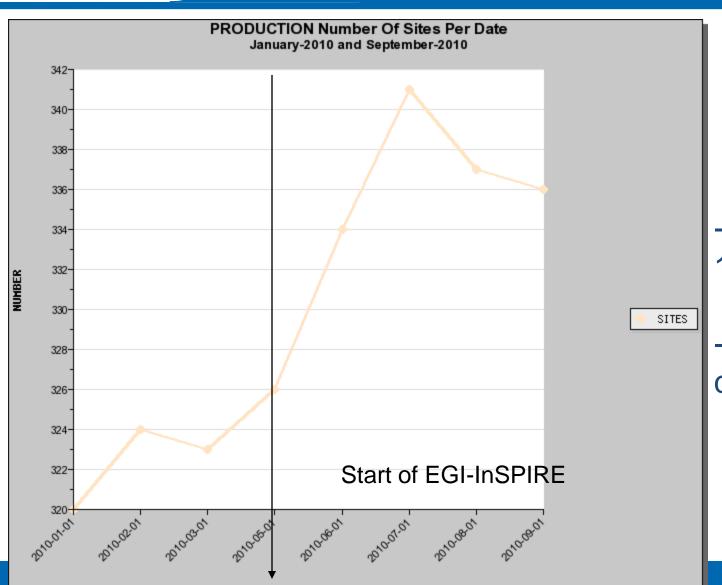


NGIs and EIROs

- EIROs
 - CERN
- NGIs
 - France
 - Italy
 - Russia



Number of resource centres Jan-Sep 2010



-From 290 to 336 15.8 % increase

-From 52 to 59 countries



EGI Infrastructure

- EGI infrastructure is the composition of
 - Resource infrastructures
 - Resource centres (sites): contribute resources to one or more infrastructure providers, the smallest operational entity in the model
 - Infrastructure providers (NGIs, EIROs, otherr DCIs): operational entities peering locally with the respective resource centres, and globally with other infrastructure providers and EGI.eu

Service infrastructures

- Global services (EGI → VRCs and NGIs/ROCs)
- Infrastructure provider services (NGIs/ROCs → VRCs and EGI)



Operational Level Agreements

- OLAs will be introduced to formally define services offered and the corresponding committed quality of service
 - Infrastructure provider

 EGI: the services the infrastructure provider will offer to international Virtual Research Communities and the EGI operational community at large, for example:
 - Grid middleware core services (e.g. VOMS, LFC, top-BDII)
 - Operational services (e.g. Monitoring and accounting infrastructure, helpdesk, support, etc.)
 - EGI → Infrastructure provider: the services that EGI will offer to the infrastructure provider, for example:
 - Central operational tools (GOCDB, operations dashboard, operations portal, etc.)
 - First and second line support
 - EGI (NGIs and EGI.eu) VRC for example:
 - VRC-specific services (e.g. Training, application porting, VO dashboard and related dedicated monitoring infrastructure, etc.)
 - VRC dedicated middleware services



MoUs

- For infrastructure providers that are not part of the EGI Council, OLAs will be defined in the framework of a MoU
- In the Infrastructure Provider MoU the signing parties commit to
 - endorse a basic set of (existing) procedures and policies
 - mutually provide services as defined in the related OLAs
 - Participate to the Operations Management Board



Governance

- Operations Management Board (OMB)
 - Leading the evolution of the operations infrastructure
 - Current members
 - all NGIs that are part of the EGI-InSPIRE partners
 - Jamie and Maria G. for WLCG
 - external infrastructure providers (ROC Canada, IGALC, Latin America etc.)
 - Meeting regularly on a monthly basis since May 2010



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EGI-InSPIRE QR1 Accomplishments

- NGIs and site managers continuing their committment to grid operations
- Commitment of EGEE ROCs who have been assisting NGIs during their creation process
- Global services well established thanks to early start of the transition during EGEE-III
 - Reassignment of responsibilities where needed
 - Increasing committment of COD in followup of availability issues and suspension
- Operations infrastructures:
 - Transition to Nagios-based monitoring and distributed deployment almost finalized
 - Started migration of messaging for distribution of accounting usage records



New procedures

- EGI adopted all EGEE procedures and policies
- but various changes introduced
 - New availability/reliability statistics followup procedure defined and approved
 - New procedure for NGI creation and integration defined and approved
 - New procedure defined for 2nd line/3rd line middleware support, implementation ongoing → relying on the EGI "Deployed Middleware Support Unit"
 - New procedure for middleware rollout to the infrastructure
 - Other procedures are under definition (https://wiki.egi.eu/wiki/Operations:OD)



What comes next 1/2

- Infrastructure
 - Consolidation of new NGIs
 - Integration of new infrastructure providers (e.g. ROC Africa), finalization of Infrastructure provider MoU
 - Case studies of integration of new DCIs and heterogeneous middleware stacks
- Plans and requirements
 - Transition plan from gLite 3.1 to gLite 3.2
 - Deployment plan of regionalized operational tools
 - Accounting requirements to lead development in EGI-InSPIRE JRA1 and EMI
- Middleware deployment
 - More sites and NGIs involved in middleware staged rollout
 - Establishement of the Technical Coordination Board to implement reporting channels to the middleware developers (requirements and deployment issues)



What comes next 2/2

- Support
 - revision of existing GGUS Support Units and related membership
 - definition of 2nd and 3rd line middleware Support Units
 - definition of network support infrastructure
- Update of existing documentation made available at the EGI wiki
- Availability statistics
 - Report generation needs to be streamlined
 - Improvement of availability calculation algorithm?
- Operational Level Agreements
 - Extension of existing ones (ongoing)
 - Understanding of impact on tools