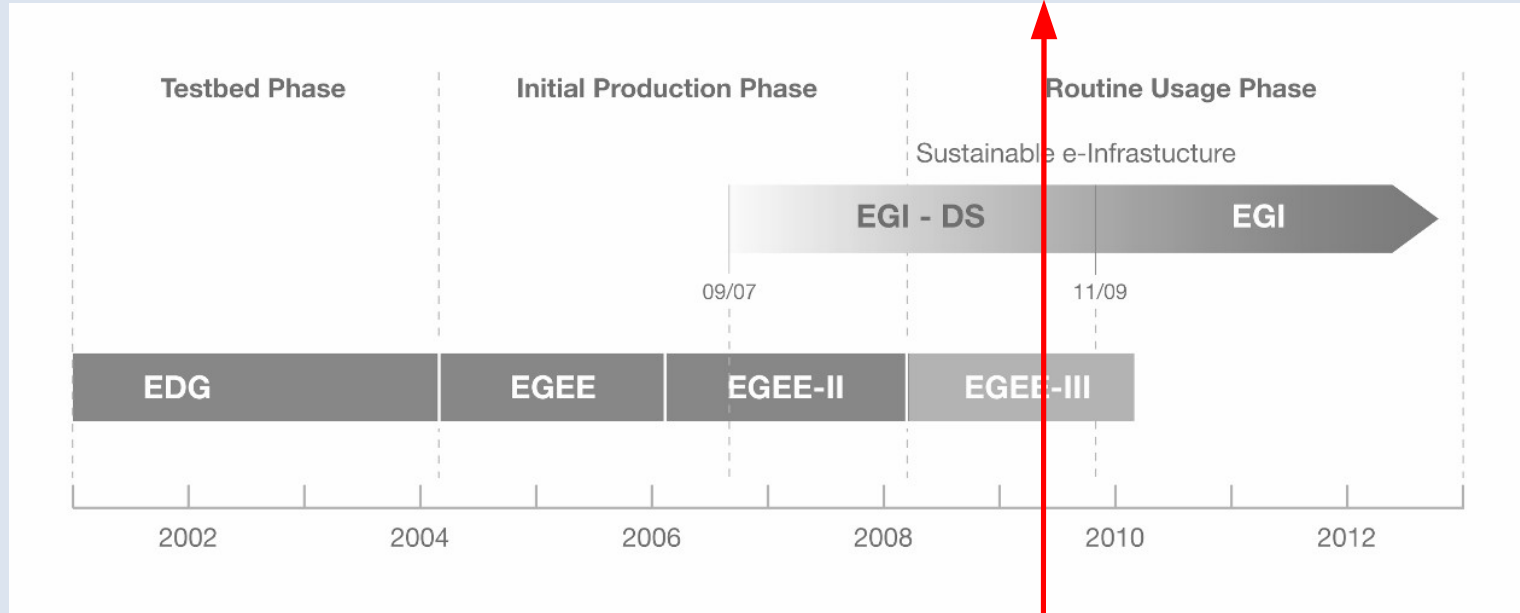


GridPP

UK Computing for Particle Physics

EGL Status

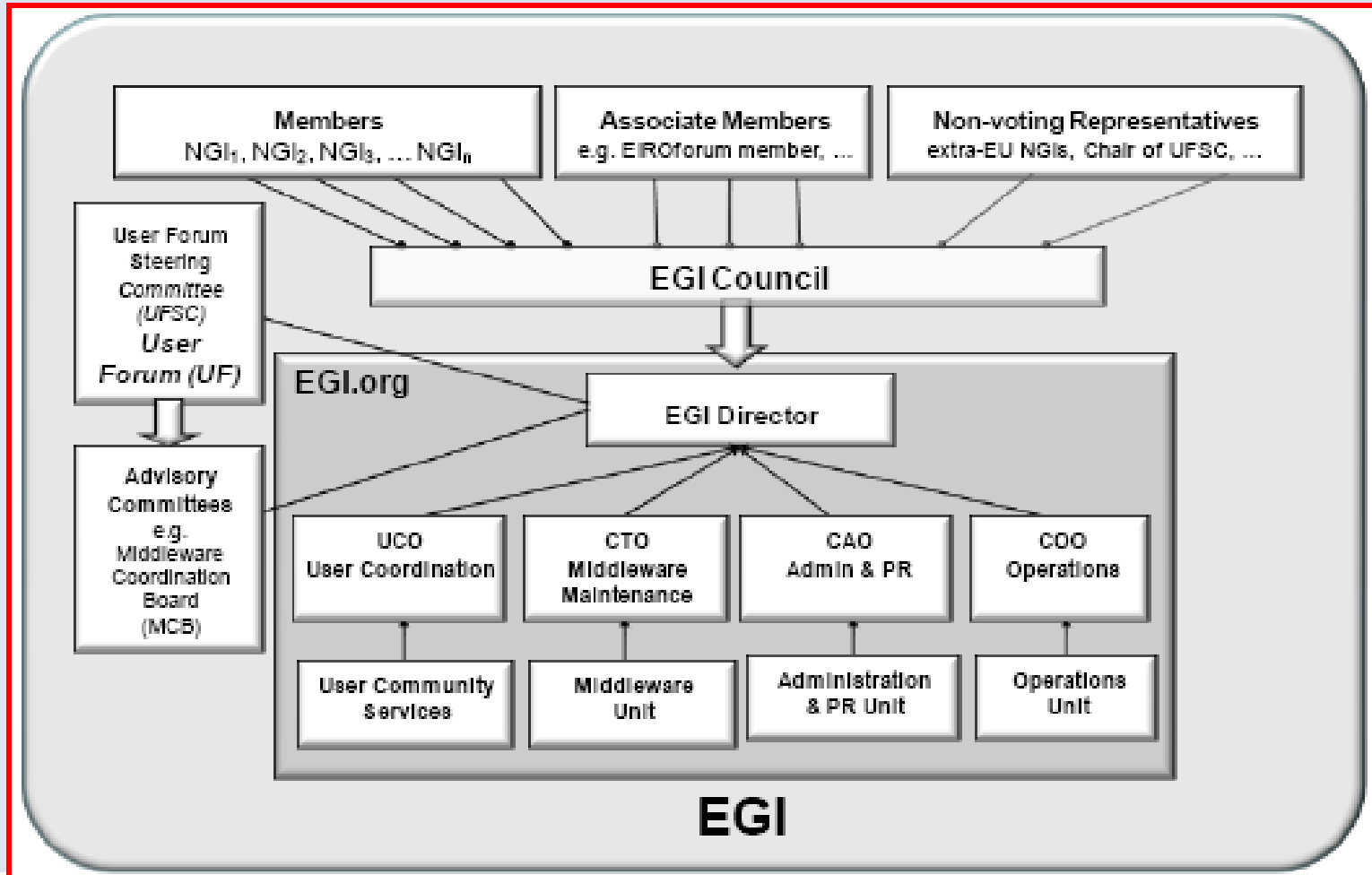




- **EGI**
 - The Council
 - EGI.eu & EGI PROPER proposal
- **SSCs, Middleware (gLite, EMI, UMD)**

Now

- Full speed into the implementation phase of EGI-DS



- **Steps to the EGI Council**

- 20th Jan : EGI Policy Board endorsed the EGI Blueprint (refer to talk at GridPP22 - UCL)
- 2nd March : Amsterdam chosen to host EGI organisation
 - MoU formulated to fill interim before launch (EGI Statutes take over)
 - threshold of minimum of 10 NGI to sign MoU for launch... JISC signs for UK and threshold of minimum funds pledged
 - first fees payable in October 2009 (JISC & STFC) - based on GDP
- 9th July : First meeting of EGI Council in Amsterdam
 - UK Delegates = Neil Geddes & Andy Richards (deputy)
 - Executive Committee / Task Force formed (along EGEE Federation lines) to steer proposal & writing statutes
 - Organisational Task Force working on setting up legal entity - a Dutch Foundation, but to become an “ERIC” (European Research Infrastructure Consortium)



EGI-DS Newsletter



EGI-DS Newsletter

- define the mandate of - and select and **appoint the Director** of the EGI Collaboration in accordance with procedures defined by it;
- decide and assign Cooperative Activities;
- define the **modalities of administration of the Common Fund** and the tasks of the Common Fund Administrator;
- endorse the agreement to be concluded with the Common Fund Administrator in accordance with Article 6;
- **approve proposals** for responses to calls for proposals by the EC;
- examine and **adopt the Agreed Budget**;
- **review expenditures** and **approve accounts** presented by the Common Fund Administrator;
- decide on the **staff establishments** required and on **employment conditions** of the EGI.eu organization;
- **approve recruitment** proposals made by the Common Fund Administrator;
- decide on the **statutes** and related documents of the EGI.eu organization;
- **approve agreements** between the Common Fund Administrator and third parties for the establishment of the EGI.eu organization;
- decide on specific **conditions for accession**;
- decide on the **consequences of withdrawals**;
- adopt proposals to the Parties for **amendments to this MoU**;
- define the **mandate of the Director** of the EGI Collaboration;
- take such other decisions as may be necessary to **fulfill the purpose of the MoU**;
- invite EUGRIDPMA to present regular reports on its activities and formally approve the list of EGI-wide accepted Certification Authorities, taking into due consideration general recommendations issued by the United Nations Organization;
- **amend this MoU** if necessary.

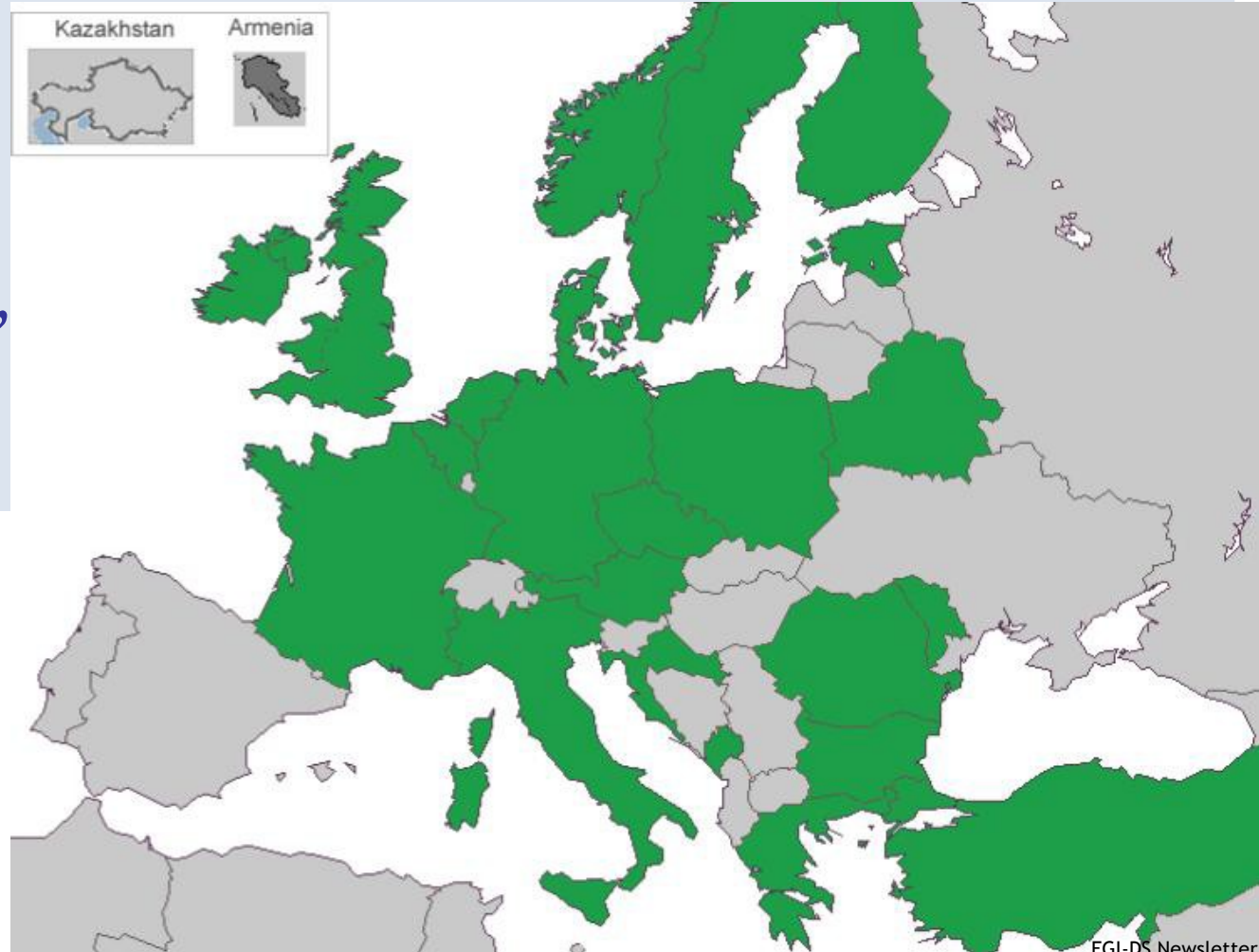
- ...forms the EGI Council

...NGIs

+ EuroForum

CERN, EMBL,

+ Observers



EGI-DS Newsletter

- Changed name from EGL.org !
- 3 years
- I³ - Integrated Infrastructure Initiative
 - “usual” activities Sx, Nx, JRx
 - (same as EGEE)
- International & Global Tasks - bids invited from NGIs
 - Administrative (~1/2 page)
 - task(s), effort, background/suitability/experience, contact point
 - Management (~1/2 page)
 - Technical (~1 page)
 - Roadmap (if required), transition plan, SLA outline, other clarifications

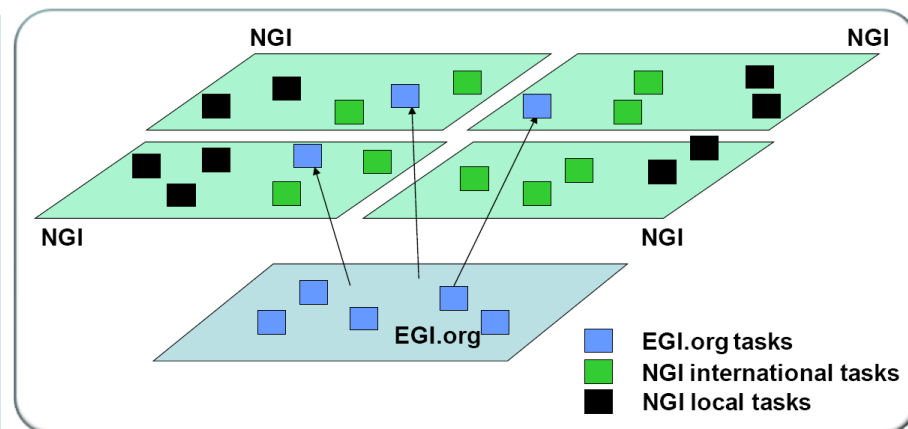


Figure 3: EGL operations and security tasks (blue rectangles) as a sum of NGI international tasks and EGL.org tasks. EGL.org tasks under the EGL.org responsibility are technically run by NGIs (arrows)

- *Operation and maintenance of the NGI portals and repositories*
 - O-E-1 Operation of the **grid topology** and configuration repositories
 - O-E-2 Operation of **accounting** repositories for international VOs
 - O-E-3 Operation of the grid repositories **storing monitoring and performance data**, and other related information
 - O-E-4 Operation of the **grid operations portals**
- *NGI e-Infrastructure Oversight, Integration of NGI ticketing system, Triage & monitoring of incoming tickets*
 - O-E-5 **Grid operation** and oversight of the e-Infrastructure
 - O-E-6 Central and regional Grid support, operation of a **ticketing system** and of a **document repository**
 - O-E-7 **Triage** of incoming problems

- *Operations (cont.)*
 - O-E-8 Gathering **requirements** for user support tools and processes
 - O-E-9 Coordination of middleware roll-out and **deployment**, middleware pilot and **certification** testbeds
 - O-E-10 Coordination of **resource allocation** and of brokering **support for VOs** from NGIs
 - O-E-11 Coordination of **interoperations** between NGIs & other grids
 - O-E-12 Coordination of **network support**
 - O-E-13 Coordination of definition of **best practices**, operations **procedures**, operations requirements
 - O-E-14 Operation of production grid **core software services**, catch-all services for international VOs, catch-all CA
 - O-E-15 Coordination of **security policy** development & maintenance
 - O-E-16 Coordination of security and **incident response**
 - O-E-17 Coordination of dev. & maintenance of **operational tools**

- *Users Community Services*
 - U-E-1 **User Forum** Support
 - U-E-2 Coordination of **SSC activities**
 - U-E-3 **Event Organisation**
 - U-E-4 Grid planning & **MCB** (Middleware Co-ordination Board)
 - U-E-5 Technical Coordination - UTS
 - U-E-6 Technical Coordination - Informational and High-level to
 - U-E-7 **Documentation** Review Coordinator
 - U-E-8 Coordination of **Training**
 - U-E-9 Services for **new Communities** and **Front Desk** coordinator

- *Middleware*
 - M-E-1 Maintain and document processes and quality criteria
 - M-E-2 Provide and support tools to enable and monitor the process
 - M-E-3 Define quality and conformance criteria for UMD and verify accepted components
 - M-E-4 Maintain a repository of certified components
 - M-E-5 Follow the daily execution of the strategic plan endorsed by the MCB
- *External Dissemination*
 - E-E-1 EGI.eu Dissemination
 - E-E-3 Industry Take up
 - E-E-4 Other external relations

- UK interest expressed in (playing to strengths)...
 - GOADB, accounting, security (policy & incident response), training coordination and dissemination coordination
- 73 bids (from 13 NGIs) for 34 tasks received
 - though not “evenly” spread
- Proposals have been classified
 - Credible proposal with no competition
 - Awaiting clarifications from bidders
 - Awaiting for the EGI proposal to stabilise
 - Primarily middleware related activity
 - Proposals ready for review now
- Bids to be reviewed by selection boards and recommendations made to EGI Council

- EU Call opened at end July'09 and closes 24th Nov'09
- Roles - appointed by EGI Council
 - Steven Newhouse appointed Interim Director of EGI.eu
 - oversees the setting transition to EGI and proposal writing
 - Laura Perini
 - co-ordinates proposal for EGI PROPER (the core of EGI)
 - Cal Loomis
 - co-ordinates preparation of SSC proposal(s) (Specialised Support Centres)
- EGI Council members proposed names (by 23rd July) to participate in editorial boards
- Frantic activity over holiday period culminating in...
 - v1 of EGI PROPER ready 7th Sept
 - v2 by the 14th Sept

- 01 - Migrate the European Grid e-infrastructure and its services into a new sustainable governance model and plan for the future sustainability of the whole EGI construct.*
- NA2 EGI setup and sustainability plan
- 02 - Optimise the currently offered Grid services based on the sustainable governance model and its structures, extending the geographical and user base of the e-Infrastructure, raising its level of services and deploying services for heavy international user communities of EGI*
- SA1 e-Infrastructure operations
 - SA4 Services for Heavy Multi-National Users of EGI
 - JRA1 Operational tools development
- 03 - Collaborate with middleware and application initiatives and projects, so that the latter can utilise integrated e-Infrastructure services. Ensure both interoperability and interoperation with other e-infrastructures within Europe and beyond, especially with those globally required by the European research communities.*
- SA2 Software infrastructure coordination
 - SA3 Deployed middleware support unit
 - NA3 External Relations

- NA1 - Project management
 - NA1.1 Project management
 - NA1.2 Technical management
 - NA1.3 EGI Council Support
- NA2 - EGI setup and sustainability plan
 - NA2.1 EGI setup
 - NA2.2 Sustainability planning
- NA3 - External relations
 - NA3.1 Dissemination
 - NA3.2 Policy and standards
 - NA3.3 User community relations

- SA1 - operating the production Grid infrastructure
 - main actors will be the **NGIs**, coordinated by EGI.eu, and the **infrastructure will be truly Pan-European**, building on the Grid established by the EGEE projects but covering also the geographical areas served by **Baltic-Grid** and **SEE-Grid**, as well as many **East-European countries**, Israel and Turkey. **Full interoperability** will be pursued within this large European area and increasing **interoperation will continue to be ensured with US and Japan**
- SA2 - coordination of the software infrastructure (e.g. repositories)
SA3 - supporting the deployed middleware (investigation & response)
 - will be performed in strict coordination with the middleware providers connected with EGI PROPER via **formal agreements**, in particular with the **EMI Project**, which is also instrumental for providing the interoperable **UMD middleware**
- SA4 - higher level service for “heavy users”
 - transition activity : minimise disruption in transition to EGI (not in subsequent phases)
 - fully integrated in EGI PROPER, the services to be deployed will be established and evolved in agreement with the heavy users communities, that are **also proposing SSCs Projects** which will be connected to EGI PROPER via **formal agreements**. The **SA4 services will complement** the ones deployed as general EGI infrastructure and some of them **may in future become part of such general infrastructure**

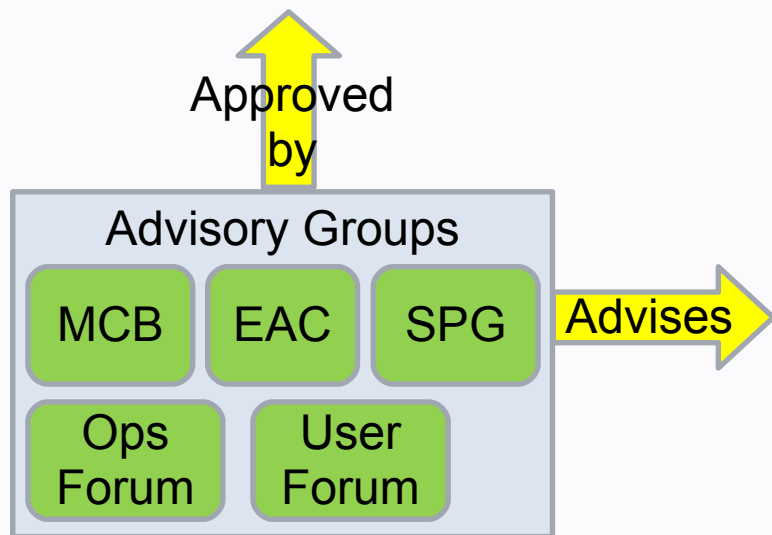
- **SA1 - e-Infrastructure operations**
 - SA1.1 Activity management SA1.2 Operations coordination
 - SA1.3 User support coordination SA1.4 Operational security coordination
 - SA1.5 Operations infrastructure services
- **SA2 - Software infrastructure coordination**
 - SA2.1 Activity management
 - SA2.2 Provision of technical services
 - SA2.3 Criteria definition and verification
- **SA3 - Deployed middleware support unit**
 - SA3.1 Activity management
 - SA3.2 Investigation/response for the security components in production use
 - SA3.3 Investigation/response for maint/support of compute components in production use
 - SA3.4 Investigation/response - maintenance & support of data components in production use
 - SA3.5 Investigation/response for the accounting components in production use
 - SA3.5 Investigation/response for the information components in production use
- **SA4 - Services for heavy multi-national users of EGI**
 - SA4.1 Activity management SA4.2 Service hosting
 - SA4.3 VO dashboard SA4.4 Scientific gateways

- Maintenance and development...
 - of the main **operational tools** (central or regional version where applicable) that are currently assisting the daily operation of the Grid infrastructure, and are of **general interest** to the majority of the EGI actors, such as **users**, **site managers**, **NGI** and **EIRO** operations centres, etc.
- Definition...
 - of a **general framework** for **Grid service auditing**, to assist the daily service administration of the operations centres.
- New development efforts...
 - which may become necessary in the future to keep pace with the **evolving Grid infrastructure** and operational processes, for example to support the EGI business model and the Service Level Agreement (SLA)-based relationships between EGI, its service providers, and the NGIs.

- JRA1 - Operational tools development
 - JRA4.1 Activity management
 - JRA4.2 Maintenance and development of the operational tools
 - JRA4.3 Regionalisation of Operational Tools
 - JRA4.4 Automation of Operational Tools

EGI.eu

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Staff Funded

through EGI



- **ROSCOE: Robust Scientific Communities for EGI**
 - Virtual Research Communities Call
 - HEP, Life Sciences, Computational Chemistry & Material Science Technology, Complex Systems, Grid Observatory
 - Possibly: Photon Science, Humanities
 - (UK bid : to work on GANGA)
- **CUE: Creating Users of E-infrastructures**
 - Virtual Research Communities Call
 - Training, Dissemination, Business Outreach
- **AA/ES/F**
 - Virtual Research Communities Call
 - Astronomy, Astrophysics, Earth Science, Fusion
- **Application Porting Support**
 - Simulation Software & Services Call

Note: SSC session(s) at EGEE09 (Barcelona) EGI-DS

- Carries forward gLite (brand) beyond EGEE-III
- Collaboration Agreement
 - lead by INFN, CERN & CESNET
 - full & associated partners (threshold of 2 FTE for full partner)
 - signature before EGEE09 and first gLite Council at EGEE09
- Members participate in EMI proposal

- Close collaboration between gLite, ARC & UNICORE
 - a joint middleware solution for the European Grid Infrastructure
 - seeking EU funding under the currently open calls (close 24th Nov)
 - major supplier of middleware to EGI

- **Unified Middleware Distribution**

- proposed approach to handling middleware maintenance, integration, testing, and deployment within EGI
- convergence of ARC, gLite & UNICORE (VDT like distribution)
- defines components, processes, involved parties etc.
- working groups
 - technical, process, operation & user requirements, co-ordination
- **Goals**
 - maintenance of currently deployed middleware in production use
 - convergence of widely deployed components from different providers
 - rationalization of middleware components to eliminate duplication
 - continued development of new functionality to meet evolving needs
- **Benefits**
 - increasingly stronger view within standards bodies such as the OGF
 - standard interfaces to common services & provide defined environments
 - simplify things for application developers and users
 - reduce long-term software maintenance costs