

GridPP

UK Computing for Particle Physics

The case for additional services

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- Software services and tools for core business, for example...

GOcdb Helpdesk Operations portal

Accounting Repository SAM MyEGI

Co-ordination Accounting portal Nagios

Software security

Security Operations Security Policy

- EGI, STFC (NGS), WLCG all fund or co-fund various elements with GridPP
provider and consumer **consumer only**

GOCDDB

Helpdesk

Operations portal

Accounting Repository

SAM MyEGI

Accounting portal

Co-ordination

Nagios

Software security


Security Policy



Security Operations

- Each Grid Operations Centre shall be responsible for providing a defined sub-set of services, agreed by the WLCG Collaboration.



WLCG
Worldwide LHC Computing Grid

- JISC paid EGI UK Subscription  GridPP gets FTEs
- Part of the club, can influence direction of project
- Part of H2020 bids
- Opportunities to engage with non-HEP

- 6 month extension, no EC funding
- Participation fee  core service operations
 - UK bid for GOCDB (0.5 FTE), APEL (1 FTE), Security (0.67 FTE)
 - 50% funded by EGI, 50% by GridPP
- unspent project funds  targeted activities
- Planning/negotiating H2020 bids

- Target:
 - Development and deployment of integrated, secure, permanent, on-demand service-driven and sustainable e-infrastructures for scientific computing and data.
- Activities:
 - 1. Data e-infrastructures establishment
 - 2. Data e-infrastructures quality assurance
 - 3. Data e-infrastructures data management and curation tools
 - 4. Large virtualisation for on-demand computing capacity
 - 5. Computing platform to supply PaaS on different e-infrastructures
 - 6. **Supporting the evolution of the EGI**
 - 7. Prototypes for extremely large or highly heterogeneous data sets scaling to zettabytes and trillion of objects
 - 8. Platform and infrastructure for mining text aggregated from different sources/publishers
- Full slide set on Indico (EGI TF, Tues plenary)

- End of EGI-InSPIRE - so natural time to consider future involvement
- Remember that what we get out of being in the club is more than FTEs of funding
 - Opportunities to steer direction
 - Opportunities to participate in H2020 future project for which funding exists and EGI is named in one call and targeted in at least two others
 - Opportunities to fulfil other agendas - non-HEP, industry



Questions?

- (6) Support to the evolution of EGI (European Grid Infrastructure) towards a flexible compute/data infrastructure capable of federating and enabling the sharing of resources of any kind (public or private, grid or cloud, etc.) in order to offer computing and storage services to the whole European scientific community. The proposal will address operations for supplying services (IaaS, PaaS, SaaS) at European level, engagement of and tailoring of services to new user communities and dissemination activities.