

Update on HEP SSC

WLCG MB, 18th August 2009

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Reminder: HEP SSC wiki

- <https://twiki.cern.ch/twiki/bin/view/LCG/HEPSSCPreparationWiki>
- From this page you can find pointers to the Indico category, the mailing list and all documents and presentations
 - Most simply “uploaded” – check comments!

Overview

- Previous update to MB was made on July 7th
 - See link on agenda page
- Since that date:
 - The call has officially opened (July 30)
 - HEP has provided input to the EGI editorial board on its outline plans (July 31)
 - A “HEP” member of the editorial board has been proposed
 - Timetables for preparing the relevant proposals in response to 1.2.1.1 (EGI) & 1.2.1.2 (Service Deployment) + 1.2.3 (Virtual Research Communities) have been prepared
 - Laura Perini is coordinating the preparation of the single proposal to cover 1.2.1.1 & 1.2.1.2
 - Cal Loomis is coordinating the “P0” proposal (see attached e-mail) for an SSC against 1.2.3

Manpower Estimates

Key	Activity	Effort 1.2.1.2	Effort 1.2.3
1	Operations and user support liaison	1	
2	Middleware liaison	1	
3	Services for heavy users (“core”, i.e. FTS)	6	
4	Additional VO-specific Services	10	
5	Dashboard, Ganga, Diane, AMGA	4 + 2 + 1 + 1	
6	WLCG “EIS”		8
7	Analysis tasks for WLCG		2
8	Grid technology outside LHC		4+2+4 + (4 to 8)
9	International communities		1.5
10	TOTAL FTE	26 (+4?)	~21.5 – 25.5
11	TOTAL EU Funded	13 (+2?)	11 – 13

- Following yesterday’s call:
 - Move 1 & 2 (liaison functions) to SSC
 - Diane & AMGA: combination of other communities (e.g. AMGA) and / or SSC
- The remaining estimated effort (6 + 10 + 4 + 2) is “about right” but needs further (“final?”) discussion plus justification
- 22 FTE at 50% EU funding over 3 years = 11 x 3 x EUR100K = EUR3.3M
- 1.2.1.2 total expected to be capped at EUR5M (out of EUR25M total for 1.2.1.1 & 1.2.1.2)

Draft “EGI Proper” Proposal

- Activity SA4 = “Services for Communities of Heavy Grid Users”
- The Communities identified as Heavy Users Communities (HUCs) are:
 - High Energy Physics (HEP)
 - Life Sciences (LS)
 - Astronomy and Astrophysics (AA)
 - Computational Chemistry and Material Sciences (CCMT)
 - Earth Sciences (ES)
- The tasks currently foreseen in the SA draft are as follows (all prefixed by *TSA4.*, e.g. *TSA4.1* for management):
 1. Management
 2. **Hosting of Community Specific Services**
 3. **Hosting of VO Specific Services**
 4. **Support of Frameworks**
 5. Support of Scientific Gateways
 6. Support for interoperability within SA4 services
 7. Support for transition to SA4 services

EGI SA4 Tasks – Possible Assignment

Task	Description	Services	Manpower
TSA4.2	<p>Provision and operation by a small number of NGIs of Core Grid Services (O-N-8) explicitly needed to support this user community, but of potential benefit to other communities.</p> <p><i>These centres will be experts and provide an SLA around the hosting of services such as FTS, LFC, Hydra, AMGA and VO specific services.</i></p>	FTS, LFC	6
TSA4.3	<p>Provision and operation by a small number of NGIs of Core Grid Services (O-N-8) explicitly needed to support this VO, but of potential benefit to other users. Justified if the VO users are a relevant fraction of the Grid users and/or they use a relevant fraction of the grid resources, or if the service is foreseen to become of more general interest during this Project.</p>	VO Services	10
TSA4.4	<p>The frameworks integrate different components and services for performing functions tailored for specific communities or VOs</p> <p>An example are the VO Dashboards: VO Dashboards have been found to be very useful by large VOs to provide a VO view of the infrastructure for their community. Other examples may be GANGA, PHEDEX, DDM, WISDOM</p> <p><i>This task in case of Dashboard includes the hosting of the service and the integration and development of VO specific tests, driven by the particular user community, necessary to verify the correct functioning of the infrastructure for their work. This will also draw on the generic service monitoring infrastructure and tests maintained by the NGIs.</i></p> <p><i>The content is analogue in the case of the other Framework and should be described by the specific writers</i></p>	Dashboards; GANGA	4 2
TOTAL	(N.B. 50% to be requested from EU)		22

So in concrete terms...

- **We should write 3 task descriptions covering the above areas ~ 1 page (perhaps more for VO services)**
 - Deadline is Friday 21st August
 - Drafts are attached to agenda page
- Next con-call is Thursday at 16:00
- From Thursday's call on: move focus to SSC preparation
 - SSC deadline: Monday 31st August
- Propose to use next Tuesday's MB slot for further SSC discussions, plus probably Thursday too (both at 16:00 UTC+2)
- Still time for further iteration prior to, during and even after EGEE'09 in Barcelona!
 - [HEP SD & SSC sessions](#)

SSCs

- EGI SSC P0 (this proposal): High-Energy Physics (HEP), Life Science (LS), Comp. Chem/Material Science (CMST), Complex Systems (CS), and Grid Observatory (GO) (C. Loomis, CNRS, FR)
 - Deadline: end August 2009
- EGI SSC P1: Astron/Astrophysics, Earth Science, Fusion (Claudio Vuerli, INAF, IT)
- CUE: Dissemination, Training, Outreach to business (Roberto Barbera, INFN, IT)

Future Timetable

- Thursday 20th Aug: “HEP SSC” con-call @ 16:00
 - Iterate on SA4 input to 1.2.1.2
 - Start to discuss plans for P0 SSC for 1.2.3
- Tuesday 25th Aug: “HEP SSC” con-call in MB slot
 - Any feedback from SA4 input to 1.2.1.2? Actions?
 - First drafts of sub-contributions to HEP SSC
 - WLCG; non-LHC HEP; Photon Science; FAIR
- Further calls & meetings to be defined...
- Several sessions already scheduled at EGEE’09