eGee

Enabling Grids for
E-science in Europe

Feedback from PMB meeting

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Production Service Resources

Federation	TA: Month 1	TA: Month 15	LCG-2: Actual	delta Month 1
CERN	900	1800	956	56.00
UK&I	100	2200	2132	32.00
Fr	**400**	**895**		**-240.00**
It	553	679		1283.00
SE	**146**	**322**		**-38.00**
SW	250		408	158.00
CE	**385**		**210**	**-175.00**
NE	200	200	348	148.00
DE+CH		400	910	810.00
Ru		152	169	119.00
totals	5084	9428	7179	4153.00

Others (Taiwan, China, Canada, US, Pakistan & India) ~2000

Federations given action to explain shortfall and present plans to meet commitments

Resources for non-HEP applications

Resources needed for non-HEP applications thru end 2004:
BioMedical:

- **GATE**
  - 100 CPUs, several tens of GB storage and access to a supercomput... ...pellier)
- **NPSA** (http://gpsa.ibcp.fr/)
  - CPUs: 10 sites with 10 CPUs each and short queues. IO ... ...B. file storage: 500 GB
- **Drug discovery**
  - CPU usage: 4 150 h, input file size: 10 MB... ...B, number of jobs: 500.000

Generic:

- **Earth Observation**
  - Storage Elements: 500... ...several Centers
  - Computing Element... ...nnection like Mirinet to run IPGP MPI jobs
  - Total comput... ...used is around 4500-5000 hours
- **Astropart...**
  - 200... ...storage
- **Earth S...**
  - Up to 1... ...s and 100Gbyte of storage
- **Computational chemistry**
  - 128 nodes + 16 CPUs with at least 2GB of RAM

Provision of missing month 1 resources would cover most of these requests

Resource Negotiation

Via the PMB, the federations have agreed to:

- Provide a statement about national policy for the allocation of resources.
    - Example: "African federation: in Nigeria we will provide resources *connected to EGEE* for applications from HEP (90%), Biomedical (5%), computational chemistry (3%), earth observation (2%). In Benin we will provide resources for applications from Biomedical (50%), astrophysics (30%), geophysics (20%), etc."

- Empower ROC managers to use this information as a guideline when negotiating resource allocation with participating sites

Resource Policy Statement

- We need to agree on the columns table the federations will complete:

Federation	HEP	Bio	Earth Obs.	Etc.	Others	
CERN	X	Y	W			V
UK&I	X	Y	W			V
Fr	X	Y	W			V
It	X	Y	W			V
SE	X	Y	W			V
SW	X	Y	W			V
CE	X	Y	W			V
NE	X	Y	W			V
DE+CH	X	Y	W			V
Ru	X	Y	W			V
totals	X	X	W			V

EU review

- **Must succeed in passing the 1st EU review (Feb 9-11)**
  - Demonstrate that we have established a large-scale production quality grid infrastructure supporting multiple applications and user communities

- **EU review will include live demonstrations of HEP and BioMedical applications running on the production service**

- **GILDA and gLite will also be demonstrated**
  - What "generic" application can we show on Gilda?
  - What application could be used to show the advantages of gLite?