

2nd EGEE NA4 SSC Workshop Life Science Proposal

V. Breton

On behalf of the EGEE-NA4 Life Sciences Cluster

LAL Orsay, Wednesday 1 July 2009

WS 1	17 Dec. 2008	User Community Transition from EGEE to EGI (Orsay) http://indico.cern.ch/conferenceDisplay.py?confId=45736
LS WS1	5 March 2009	Life Sciences SSC session at EGEE User Forum 4
WS 2	5-6 May 2009	SSC Workshop: Preparing SSCs for EGI (Athens) http://indico.cern.ch/conferenceDisplay.py?confId=55097
LS WS 2	29 June 2009	Life Sciences SSC workshop at HealthGrid conference
WS 3	1 Jul. 2009	SSC Workshop (Orsay) http://indico.cern.ch/conferenceDisplay.py?confId=60563
WS 4	Sep. 2009	SSC Session at EGEE'09 (Barcelona) http://indico.cern.ch/conferenceDisplay.py?confId=55893
LS WS3	Sep. 2009	Life Sciences SSC workshop at EGEE'09 (Barcelona)
WS 5	3 Nov. 2009	SSC Workshop (CERN) http://indico.cern.ch/conferenceDisplay.py?confId=60564

Activity name	Tasks	Resources required in FTE
NA1 - coordination	Management of EU project Relationship with EGI (User Forum representative) Relationship with NGIs Relationship with ESFRIs Relationship with major research institutes in the life sciences community Quality control	2
NA2 – dissemination	Reach out to the potential stakeholders (see 3.1.4) Coordination with EGI dissemination SSC Maintenance of knowledge base	1.5
NA3 – training	Coordination with EGI training SSC Organization of yearly biomed Grid schools Coordination with regional grid infrastructures for organizing biomed grid schools in developing countries	1

Activity name	Tasks	Resources required in FTE
SA1 – resource operation	Virtual organization management Relationship with EGI resource operation (Grid planning officer to participate in EGI MCB meetings) Relationship with NGIs resource operation	1
SA2 – operation of data and access services	Science gateway operation – Maintenance of data repositories – collaboration with ESFRIs for service provision	2
SA3 – user support	User support – Application porting - Coordination with EGI User Support and Application Porting SSC	2
JRA1 - scientific gateways	Scientific gateways – Design of template and development	2
JRA2 – pilot applications	Pilot applications for medical development in developing countries	1
TOTAL		12.5 FTE

Need to bring homogeneity to the description of work between SSCs

- **National Grid Initiatives**
 - Contact points in 9 countries in Europe
 - Finland, France, Greece, Italy, Netherland, Portugal, Sweden, Switzerland, UK
 - Contacts with NGIs in Asia (Korea, Vietnam)
 - Contact points with three regional grid initiatives:
 - AuverGrid
 - COMETA
 - SeeGrid
- **ESFRIs**
 - Active contacts with ELIXIR and LifeWatch
- **Contacts with research laboratories**
 - EBI
 - Research Laboratories
 - HealthGrid assoc.
- **Contact with companies**
 - MAAT-G

Country	Statistics on life sciences users and resource usage	Main life sciences grid projects	Most active players in the field
Finland	20% of CSC users 4% of CSC resources	EMBRACE, NDGF BioGrid	CSC
France	16% of EGEE biomed VO resources (see section 3.2)	ACGT, AGIR, BioinfoGRID, <i>Décrypthon</i> , EGEE, EMBRACE, ELIXIR, GWENDIA, NeuGrid, <i>Neurolog</i>	CNRS (Clermont-Ferrand, Lyon, Nice), INRIA, HealthGrid
Greece	240 CPUs	ACGT, ELIXIR	IBRB/NHRF
Italy	12% of EGEE biomed VO resources (see section 3.2)	BioinfoGRID, EGEE, e-NMR, EMBRACE, EUChinaGrid, INSTRUCT, LIBI, LITBIO, NeuGrid	CNR-ITB, CIRMMMP – Firenze, Consorzio Cometa, Fatebenefratelli Brescia, Bologna Biocomputing Group, University of Roma3, University of Modena,
Netherland	3590 CPU cores 34 M CPU hours	e-NMR, LSGRID, NeuGrid, VLEMED, VIROLAB	Free University Medical Center, University of Amsterdam, Utrecht University
Switzerland	-	Swiss Bio Grid, SystemsX.ch,	Swiss Institute of Bioinformatics, University Hospital of Geneva

- **Contact points within the EGI management structure that are different and/or in addition to those in the EGI_DS Blueprint and Functions documents.**
 - Diana Cresti
- **Identify "heavy" and/or VO-specific services that are needed by the community to fully exploit the EGI infrastructure.**
 - None – user friendly access to the grid
- **Identify the institutes/projects/NGIs that have been contacted about the SSC. -> see slide 2**
- **Identify any ESFRI projects that have been contacted -> see slide 3**
- **Identify likely partners that will be funded**
 - Priority given to groups already offering services and setting up SSC
 - EGEE-III Life Sciences cluster partners (CNR-ITB, CNRS, UPV)
 - HealthGrid (Biomed VO manager)
 - Additional key partners for service provision
- **Identify likely partners that will be unfunded**
 - NGI contact points not funded for their role as contact points
- **Identify common tools/libraries for porting that will be useful for the community. (E.g. BLAST, LAPACK, ...)**
 - TAVERNA