

e-Infrastructure Glossary

(draft 26.3.06)

The following table refers to organisations, initiatives and technologies mentioned during the "Introduction to e-Infrastructure" talks at the University of Leeds on 28 March 26, 2006. The talks can be found at <http://agenda.cern.ch/fullAgenda.php?ida=a057857>.

This glossary can be found at http://homepages.nesc.ac.uk/~mjm/eis_glossary.html

For more acronyms about grids refer to the "Grid Acronym Soup", maintained by Joe Foster, University of Manchester, <http://www.gridpp.ac.uk/gas>

AHM	All Hands Meeting http://www.allhands.org.uk/	Annual forum for UK e-Science projects in all disciplines AHM 2006 will be held from 18-21st September 2006, Nottingham
AHESSC	Arts and Humanities e-Science Support Centre http://www.ahessc.ac.uk/	JISC-funded UK initiative based at Kings College
ATHENS	Access Management system http://www.athens.ac.uk/	In use by (for example) MIMAS and EDINA services
CA	Certificate Authority, in the UK: https://ca.grid-support.ac.uk/	Signs user and site certificates for the UK's e-science programme.
Condor	http://www.cs.wisc.edu/condor/	supports High Throughput Computing on large collections of distributively owned computing resources
DEISA	Distributed European Infrastructure for Supercomputing Applications www.deisa.org/	“integrating existing national high-end platforms, tightly coupled by a dedicated network and supported by innovative system and grid software”
EGEE	Enabling Grids for e-Science http://www.egee-eu.org/	EU-funded initiative building international grid infrastructure For recent presentations see 1st User Forum http://egee-intranet.web.cern.ch/egee-intranet/User-Forum
"e-Infrastructure"		Production-quality services that enable collaboration in e-research and will underpin the emerging

		"information society". Includes compute and data resources, network and grid services, middleware and operations, support and training....
e-Science		large scale collaborative science made possible by resource-sharing across the internet. Now often used as in "e-science technologies".
e-Research		collaborative research made possible by resource-sharing across the internet
GEANT	http://www.geant2.net/	GEANT2 is the new pan-European research and education network; co-funded by the European Commission and Europe's national research and education networks, and is managed by DANTE.
GGF	Global Grid Forum http://www.ggf.org/	International community of users, developers, and vendors leading the global standardization effort for grid computing (Recent GGF16 talks are on-line. GGF 17: Tokyo, May10-12)
GILDA	Grid Infn Laboratory for Dissemination Activities https://gilda.ct.infn.it/	Grid testbed for training and for new applications – led by University of Catania and INFN. GILDA runs the EGEE middleware. To try running jobs on this, use the portal at: https://grid-demo.ct.infn.it/
Globus Alliance	http://www.globus.org/	a community of organizations and individuals developing fundamental grid technologies
GOSC	Grid Operations Support Centre http://www.grid-support.ac.uk/	Supports the UK e-Science programme including running the UK Certification Authority and the operation of the National Grid Service
	Grid Center http://www.grid-center.org/	Grid Research Integration Deployment and Support Center – USA. A good source of general

		information
Grid	"A Grid"	[Enables] Resource sharing & coordinated problem solving in dynamic, multi-institutional virtual organizations (Ian Foster definition, GGF16)
GridPP	http://www.gridpp.ac.uk/	UK Grid for particle physics: the UK's part of the LCG
ICEAGE	International Collaboration to Extend and Advance Grid Education http://www.iceage-eu.org/	Initiative to inspire innovative and effective Grid Education - both education in the use of the Grid, and also the use of the Grid in education
IGTF	International Grid Trust Federation http://www.gridpma.org/	to foster harmonization and synchronization of Policy Management Authorities and their certification processes
JANET	http://www.ja.net/	the UK's education and research network
JISC	Joint Information Systems Committee http://www.jisc.ac.uk/	supports further and higher education in use of Information and Communications Technology (ICT)
LCG	Large Hadron Collider (LHC) Compute Grid http://lcg.web.cern.ch/LCG/	LHC experiments at CERN come on-line during 2007. Since 2001 the LHC has been establishing the LCG
MyProxy	Credential Management Service myproxy.ncsa.uiuc.edu	A Grid service that stores and issues credentials – used in EGEE and NGS and many other grids.
NCESS	National Centre for e-Social-Science http://www.ncess.ac.uk	
NeSC	National e-Science Centre http://www.nesc.ac.uk	Supports development and uptake of e-science in the UK. - Events announcements http://www.nesc.ac.uk/events/ - Training, Outreach and Education http://www.nesc.ac.uk/training/
NextGrid	www.nextgrid.org	Architecture for Next Generation Grids
NGS	National Grid Service www.ngs.ac.uk	Production service for the UK academic community

NIEES	National Institute for Environmental e-Science http://www.niees.ac.uk	
OMII-UK	Open Middleware Infrastructure Institute www.omii.ac.uk	Provides: - managed programme developing essential middleware components - repository of middleware Nodes in Southampton, Manchester, Edinburgh
OGSA-DAI	OGSA-DAI http://www.ogsadai.org.uk	OGSA-DAI project develops middleware to assist with access and integration of data from separate sources via the grid
OSG	Open Science Grid http://www.opensciencegrid.org/	US grid computing infrastructure
SRB	Storage Resource Broker http://www.sdsc.edu/srb/ For a full SRB tutorial, see: http://www.niees.ac.uk/events/srb2006	Allows users to access files across a distributed environment. Actual physical location and way the data is stored is abstracted from the user
UKLight	http://www.uklight.ac.uk	developments towards optical networks and the applications that will use them. See also ESLEA http://www.eslea.uklight.ac.uk
VDT	Virtual Data Toolkit http://www.cs.wisc.edu/vdt/	an ensemble of grid middleware that can be easily installed and configured. (EGEE and NGS use VDT releases)
VO	Virtual Organisation	A collaboration between multiple institutes. In grid computing, a VO is a community that shares resources.
VOMS	Virtual Organization Membership Service	authorization system for Virtual Organizations on a grid– recently adopted by the EGEE production grid
"virtualised resources"		Computers and/or data in different organisations that are perceived by a user as if in one computer
White Rose Grid	http://www.wrgrid.org.uk/	This is a collaborative venture between the White Rose Universities (Leeds, York and Sheffield)and IT partners: Esteem Systems , Sun Microsystems , and Streamline Computing .

