

## EGEE II

### Vision

EGEE-II aims to build on the work of the EGEE project, which was conceived as the first two-year phase of a four-year programme, to provide a production quality Grid infrastructure across the European Research Area and beyond. Researchers in academia and industry already benefit from the EGEE e-Infrastructure, which simultaneously supports many applications from diverse scientific areas, providing a common pool of resources, independent of geographic location, with round-the-clock access to major storage, compute and networking facilities.

The EGEE-II project will significantly extend and consolidate this infrastructure, which links national, regional and thematic Grid efforts, as well as interoperate with other Grids around the globe. The resulting high capacity, world-wide infrastructure greatly surpasses the capabilities of local clusters and individual centres, providing a unique tool for collaborative compute-intensive science ("e-Science").

So far, several large- and small-scale communities use the EGEE infrastructure as an every-day tool for their work. Applications deployed come from High Energy Physics, Life Sciences, Earth Sciences (including the industrial application EGEODE), Astrophysics, and Computational Chemistry. EGEE-II will expand the portfolio of supported applications to include Fusion as well as other disciplines.

### Project scope

The EGEE-II Consortium consists of more than 90 partners from 32 countries, grouped into 12 federations and representing almost all major and national Grid efforts in Europe, as well as projects from the US and Asia. In addition, a number of related projects being submitted to FP6 calls will extend the infrastructure further, to the Mediterranean area, Baltic States, Latin America and China. Combined with other related projects spun out from or affiliated with EGEE and EGEE-II, this demonstrates the incubator role the project has played around the world. With an expanded Consortium of enthusiastic participants and a large range of related projects, EGEE-II will be able to further develop its infrastructure into a truly pervasive global platform for e-Science.



**Partner countries of the EGEE-II project**

## Project Activities

EGEE-II will consist of Networking, Service and Joint Research Activities. In response to the more mature state of Grid technology, the project is increasing the proportion of funding going to Service and Networking activities, while funding for Joint Research is being reduced. This will allow the project to accommodate new countries, applications and sites joining the infrastructure as well as expand efforts in dissemination, training and application support. Efforts in software development have been reduced, since the project can integrate a proportion of the necessary software from other projects and sources instead.

## Networking Activities

The Networking Activities include NA1 (Project Management); NA2 (Dissemination, Outreach and Communication); NA3 (User Training and Induction); NA4 (Application Identification and Support); and NA5 (Policy and International Cooperation).

## Service Activities

The Service Activities will consist of SA1 (European Grid Operations, Support and Management) and SA2 (Networking Support). A new activity, SA3 (Integration, Testing and Certification) will combine software elements from a variety of sources to provide integrated releases for deployment on the infrastructure.

## Joint Research Activities

JRA1 (Middleware Re-Engineering) will continue to develop and support the gLite middleware. JRA2 (Quality Assurance) will manage quality throughout the project, including overall security and coordination.

## Project Partners

Partner	Country	Partner	Country	Partner	Country	Partner	Country
ASGC	TW	DFN	DE	JINR	RU	TAU	IL
UNIZAR	ES	DKRZ	DE	JKU	AT	TCD	IE
BME	HU	ELETTRA	IT	JSI	SI	TID	ES
CCLRC	UK	ENEA	IT	KFKI-RMKI	HU	TUBITAK-ULAKBIM	TR
CEA	FR	FhG/SCAI	DE	KIAM RAS	RU	UChicago	US
CERN	CH	FOM	NL	KISTI	KR	UCM	ES
CESGA	ES	FZJ	DE	KTH	SE	UCY	CY
CESNET	CZ	FZK	DE	LIP	PT	UEDIN	UK
CGG	FR	GARR	IT	MTA SZTAKI	HU	UH-HIP	FI
CIEMAT	ES	Glasgow	UK	MTW	IT	UiB	NO
CKSC	KR	GRNET	GR	NIIF	HU	UIBK	AT
CNES	FR	GSI	DE	Oxford	UK	UKBH	DK
CNR-ITB	IT	HEALTHGR ID	FR	PIC	ES	ULB	BE
CNRS	FR	ICI	RO	PNPI	RU	UNICAL	IT
CRSA	FR	UW	PO	PSNC	PO	UNILE	IT
CS SI	FR	IHEP	RU	RED.ES	ES	UNIMAN	UK
ČSC	FI	II SAS	SK	RENCI	US	UNINA	IT
ETHZ (CSCS)	CH	IMPB RAS	RU	RRC KI	RU	UWisc-Madison	US
CSIC	ES	Imperial	UK	RUG	NL	UPV	ES
CYFRONET	PO	INFN	IT	SARA	NL	USC	US
DANTE	UK	IPB	YU	SINP MSU	RU	UvA	NL
DATAMAT	IT	IPP-BAS	BUL	SRCE	HR	VR	SE
DESY	DE	ITEP	RU	SWITCH	CH		