egee Egee-II



Vision

EGEE-II builds 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 Infrastructure, which simultaneously supports many applications from diverse scientific areas. This is achieved by 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 significantly extends and consolidates this infrastructure, which links national, regional and thematic Grid efforts, and interoperates with other Grids around the globe. The resulting high capacity, world-wide infrastructure greatly surpasses the capabilities of local clusters and individual centres, working towards a unique and sustainable tool for collaborative, computationally intensive science ("e-Science").

Several large- and small-scale communities already 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 constantly works to expand the portfolio of supported applications to new disciplines.

Project Scope

The EGEE-II consortium consists of 91 partners from 32 countries, grouped into 13 federations and representing almost all major efforts in Europe as well as working with emerging National Grid Initiatives. The project also works with major national projects from the US and Asia and a number of related projects 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 enthusiastic participants and a large range of related projects, EGEE-II is developing its infrastructure into a truly pervasive global platform for e-Science.



Partner countries of the EGEE-II project

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Project Activities

EGEE-II consists 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. 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 concentrated on Grid foundation components and integrating the third party components from other projects and sources.

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

Joint Research Activities

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

TW	DFN	DE	JINR	RU	TAU	IL
ES	DKRZ	DE	JKU	AT	TCD	IE
HU	ELETTRA	IT	JSI	SI	TID	ES
UK	ENEA	IT	KFKI-RMKI	HU	TUBITAK-	TR
					ULAKBIM	
FR	FhG/SCAI	DE	KIAM RAS	RU	UChicago	US
СН	FOM	NL	KISTI	KR	UCM	ES
ES	FZJ	DE	KTH	SE	UCY	CY
CZ	FZK	DE	LIP	PT	UEDIN	UK
FR	GARR	IT	MTA SZTAKI	HU	UH-HIP	FI
ES	Glasgow	UK	MTW	IT	UiB	NO
KR	GRNET	GR	NIIF	HU	UIBK	AT
FR	GSI	DE	Oxford	UK	UKBH	DK
IT	HEALTHGR	FR	PIC	ES	ULB	BE
	ID					
FR	ICI	RO	PNPI	RU	UNICAL	IT
FR	UW	PO	PSNC	PO	UNILE	IT
FR	IHEP	RU	RED.ES	ES	UNIMAN	UK
FI	IISAS	SK	RENCI	US	UNINA	IT
CH	IMPB RAS	RU	RRC KI	RU	UWisc-	US
					Madison	
ES	Imperial	UK	RUG	NL	UPV	ES
PO	INFN	IT	SARA	NL	USC	US
UK	IPB	YU	SINP MSU	RU	UvA	NL
IT	IPP-BAS	BUL	SRCE	HR	VR	SE
DE	ITEP	RU	SWITCH	CH		
	ES HU UK FR CH ES CZ FR ES KR FR IT FR FR FR FR FR CH ES PO UK IT	TWDFNESDKRZHUELETTRAUKENEAFRFhG/SCAICHFOMESFZJCZFZKFRGARRESGlasgowKRGRNETFRGSIITHEALTHGRIDFRICIFRFRIHEPFIIISASCHIMPB RASESImperialPOINFNUKIPBITIPP-BAS	TWDFNDEESDKRZDEHUELETTRAITUKENEAITFRFhG/SCAIDECHFOMNLESFZJDECZFZKDEFRGARRITESGlasgowUKKRGRNETGRFRGSIDEITHEALTHGRFRIDIDFRICIROFRIHEPRUFIIISASSKCHIMPB RASRUESImperialUKPOINFNITUKIPBYUITIPP-BASBUL	TWDFNDEJINRESDKRZDEJKUHUELETTRAITJSIUKENEAITKFKI-RMKIFRFhG/SCAIDEKIAM RASCHFOMNLKISTIESFZJDEKTHCZFZKDELIPFRGARRITMTA SZTAKIESGlasgowUKMTWKRGRNETGRNIIFFRGSIDEOxfordITHEALTHGRFRPICIDFRICIROFRIHEPRURED.ESFIIISASSKRENCICHIMPB RASRURRC KIESImperialUKRUGPOINFNITSARAUKIPBYUSINP MSUITIPP-BASBULSRCE	TWDFNDEJINRRUESDKRZDEJKUATHUELETTRAITJSISIUKENEAITKFKI-RMKIHUFRFhG/SCAIDEKIAM RASRUCHFOMNLKISTIKRESFZJDEKTHSECZFZKDELIPPTFRGARRITMTA SZTAKIHUESGlasgowUKMTWITKRGRNETGRNIIFHUFRGSIDEOxfordUKIDFRICIROPNPIRUFRICIROPNPIRUFRIIEPRURED.ESESFIIISASSKRENCIUSCHIMPB RASRURRC KIRUESImperialUKRUGNLPOINFNITSARANLUKIPBYUSINP MSURUITIPP-BASBULSRCEHR	TWDFNDEJINRRUTAUESDKRZDEJKUATTCDHUELETTRAITJSISITIDUKENEAITKFKI-RMKIHUTUBITAK- ULAKBIMFRFhG/SCAIDEKIAM RASRUUChicagoCHFOMNLKISTIKRUCMESFZJDEKTHSEUCYCZFZKDELIPPTUEDINFRGARRITMTA SZTAKIHUUH-HIPESGlasgowUKMTWITUiBKRGRNETGRNIIFHUUIBKFRGSIDEOxfordUKUKBHITHEALTHGRFRPICESULBIDFRICIROPNPIRUUNICALFRIUWPOPSNCPOUNILEFRIHEPRURED.ESESUNIMANFIIISASSKRENCIUSUNINACHIMPB RASRURRC KIRUUWisc- MadisonESImperialUKRUGNLUPVPOINFNITSARANLUSCUKIPBYUSINP MSURUUvAITIPP-BASBULSRCEHRVR

Project Partners

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