



CoreGRID Fact Sheet

The CoreGRID Network of Excellence is funded by the European Commission within the European Commission's Sixth Framework Programme for Research and Technological Development through a grant of €8.2 million assigned for a duration of four years. This support allows the Network to focus on creating a strong and durable integration of Grid research expertise in Europe to facilitate the creation of future Grid systems in both academic and industrial environments.

CoreGRID aims at strengthening and advancing European scientific and technological excellence in the area of Grid and peer-to-peer technologies, encouraging the mobility of researchers and addressing long-term Grid research to build the foundations for Next Generation Grids, from 2010 and beyond.

To achieve this objective, the Network gathers a critical mass of well-established researchers (161 permanent researchers and 164 PhD students) from forty-one research centers and universities into an ambitious joint programme of activities. 5 associate members joined the network in July 2007.

Operated as a European Grid Research Laboratory, the joint programme is structured around six strategic and complementary research areas, organized as research Institutes.

- ❖ Knowledge and Data Management
- ❖ Programming Model
- ❖ Architectural Issues: Scalability, Dependability, Adaptability
- ❖ Grid Information, Resource and Workflow Monitoring Services
- ❖ Resource Management and Scheduling
- ❖ Grid Systems, Tools and Environments

Each one of these Institutes is dedicated to a particular domain identified as of strategic importance to ensure the durable development and deployment of Grid infrastructure.

CoreGRID not only invests in Grid research. It is also developing more effective routes for the industrial exploitation of the Grid in order to successfully translate research results into economic benefits. CoreGRID drives collaboration between research organizations, funding bodies and industry at all levels of the value chain and across national borders, making sure that industrial needs and commercial ambitions are taken into account while Grid research is conducted.

The CoreGRID Network will contribute to helping Europe take Grids out of the research labs and into industry – a critical step in ensuring Europe realizes the benefits of the Information Society. In this perspective, CoreGRID is recognized to best represent the activity of integrating and coordinating Grid research efforts across Europe and promoting close cooperation with industry, aligning both research and industry towards the construction of a sustainable European Research Area.

The ideas driving the CoreGRID project are definitely excellence, integration, dissemination and sustainability. And CoreGRID has clearly set out the path towards accomplishing its grand vision for a feasible Next Generation Grid.





Project Details

<u>Start/end dates:</u>	September 1, 2004 – August 31, 2008
<u>Duration:</u>	48 months
<u>Project funding:</u>	€8,200,000
<u>Project cost:</u>	€18,714,115
<u>Project type:</u>	Network of Excellence
<u>Project reference:</u>	004265
<u>Programme type:</u>	Sixth Framework Programme
<u>Programme acronym:</u>	FP6-IST
<u>Project website:</u>	www.coregrid.net
<u>Project coordinator:</u>	GEIE ERCIM
<u>Contact person:</u>	Philippe Rohou (philippe.rohou@ercim.org), Administrative & Financial Coordinator Thierry Priol (thierry.priol@irisa.fr), Scientific Coordinator

Project Partners

1	European Consortium for Informatics and Mathematics	GEIE ERCIM	France
2	Centre d'Excellence en Technologies de l'Information et de la Communication	CETIC	Belgium
3	Institute for Parallel Processing	IPP-BAS	Bulgaria
4	Information Science and Technologies Institute	CNR-ISTI	Italy
5	French National Research Council	CNRS	France
6	Delft University of Technology	TUD	Netherlands
7	Swiss Federal Institutes of Technology	EPFL	Switzerland
8	Fraunhofer Gesellschaft	FhG	Germany
9	Forschungszentrum Jülich	FZJ	Germany
10	High Performance Computing Centre	USTUTT	Germany
11	Institute of Computer Science, Foundation for Research and Technology – Hellas	ICS-FORTH	Greece
12	Imperial College	IC	UK
13	National Institute for Research in Nuclear Physics	INFN	Italy
14	National Institute for Research in Computer Science and Control	INRIA	France
15	Royal Institute of Technology	KTH	Sweden
16	Masaryk University Brno	MU	Czech R.
17	Poznan Supercomputing and Networking Centre	PSNC	Poland
18	Science and Technology Facilities Council	RAL – STFC	UK
19	Swedish Institute of Computer Science	SICS	Sweden



20	Computer and Automation Research Institute	SZTAKI	Hungary
21	The Queen's University of Belfast	QUB	UK
22	University of Muenster	WWU Muenster	Germany
23	University of Calabria	UNICAL	Italy
24	University of Cardiff	UWC	UK
25	University of Chile	UCHILE	Chile
26	University of Coimbra	UCO	Portugal
27	University of Cyprus	UCY	Cyprus
28	University of Dortmund	UNI DO	Germany
29	Université catholique de Louvain à Louvain-la-Neuve	UCL	Belgium
30	University of Manchester	UoM	UK
31	The University of Newcastle Upon Tyne	UNCL	UK
32	University of Passau	UNI PASSAU	Germany
33	University of Pisa	UNIPI	Italy
34	Haute Ecole Spécialisée de Suisse Occidentale	HES-SO	Switzerland
35	University of Westminster	UoW	UK
36	Technical University of Catalonia	UPC	Spain
37	Vrije Universiteit	VUA	Netherlands
38	Technical Research Centre of Finland	VTT	Finland
39	Zuse Institute Berlin	ZIB	Germany
40	CYFRONET	CYFRONET	Poland
41	University of Innsbruck	UIBK	Austria

Associate Members

Institute of High Performance Computing and Networking	CNR-ICAR	Italy
New University of Lisbon	UNL	Portugal
CATNETS project is represented by Torsten Eymann (at Bayreuth University) and Omar F Rana (Cardiff University)	CATNETS	Germany
University of Sannio	UOS	Italy
Umeå University	UMEA	Sweden

