

European research network on foundations, software infrastructures and applications for large-scale distributed, Grid and peer-to-peer technologies

CoreGRID

CoreGRID **aims** at strengthening and advancing scientific and technological excellence in the area of Grid and P2P technologies. To achieve this objective, the network brings together 119 permanent researchers and 165 Ph.D. students from 42 institutions. An ambitious joint programme of activity will be conducted around six complementary research areas that have been selected on the basis of their strategic importance, their research challenges and the recognised European expertise to develop next generation Grid middleware, namely: knowledge and data management; programming models; system architecture; Grid information and monitoring services; resource management and scheduling; problem-solving environments, tools and Grid systems.

To ensure **durable integration**, the network is operated as a European research laboratory, with six institutes mapped to the areas identified in the joint programme of activity. It is funded by a European grant assigned to CoreGRID, for a duration of four years, to cover the integration costs while the network partners cover the expense required to perform the research associated with the joint programme of activities. Integration is achieved by the joint execution of research projects, the sharing of a common Grid testbed for research assessment, the access to a common communication infrastructure to ensure collaboration and dissemination, and a coherent management framework to encourage mobility of researchers, post-doctoral and Ph.D. students.

To guarantee that the expertise and the knowledge gained by network participants will be of mutual benefit to the European Grid community, CoreGRID will organise a set of **activities to spread excellence** outside the network through a public website, publications, thematic workshops, conferences and training activities. A dedicated activity, under the form of an **Industrial Advisory Board**, will target mainly industry and commerce to ensure a strong interaction and involvement

Project partners

Organisation name and country

GEIE ERCIM	FR
CENTRE D'EXCELLENCE EN TECHNOLOGIES DE L'INFORMATION ET DE LA COMMUNICATION	BE
INSTITUTE FOR PARALLEL PROCESSING – BULGARIAN ACADEMY OF SCIENCES	BG
CONSIGLIO NAZIONALE DELLE RICERCHE	IT
CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE	FR
TECHNISCHE UNIVERSITEIT DELFT	NL
ECOLE POLYTECHNIQUE FEDERALE DE LAUSANNE	CH
FRAUNHOFER GESELLSCHAFT E.V.	DE
FORSCHUNGSZENTRUM JUELICH GMBH	DE
UNIVERSITAET STUTTGART	DE
FOUNDATION FOR RESEARCH AND TECHNOLOGY - HELLAS	EL

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Contract number
004265

Type of project
Network of excellence

Project coordinator
GEIE ERCIM

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Project website:
<http://www.irisa.fr/CoreGRID/>

Maximum Community contribution to project
EUR 8 200 000

Project start date
1 September 2004

Duration
48 months



IMPERIAL COLLEGE OF SCIENCE, TECHNOLOGY AND MEDICINE	UK
ISTITUTO NAZIONALE DI FISICA NUCLEARE (INFN)	IT
INSTITUT NATIONAL DE RECHERCHE EN INFORMATIQUE ET EN AUTOMATIQUE	FR
KUNGLIGA TEKNISKA HOEGSKOLAN	SE
MASARYKOVA UNIVERZITA V BRNE	CZ
INSTYTUT CHEMII BIOORGANICZNEJ PAN W POZNANIU	PL
COUNCIL FOR THE CENTRAL LABORATORY OF THE RESEARCH COUNCILS	UK
MAGYAR TUDOMANYOS AKADEMIA SZAMITASTECHNIKAI ES AUTOMATIZALASI KUTATO INTEZET	HU
THE QUEEN'S UNIVERSITY OF BELFAST	UK
UNIVERSITA DEGLI STUDI DELLA CALABRIA	IT
THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF CAMBRIDGE	UK
UNIVERSITY OF WALES, CARDIFF	UK
UNIVERSIDAD DE CHILE	CL
FACULDADE CIENCIAS E TECNOLOGIA DA UNIVERSIDADE DE COIMBRA	PT
UNIVERSITY OF CYPRUS	CY
UNIVERSITAET DORTMUND	DE
UNIVERSITA DEGLI STUDI DI LECCE	IT
UNIVERSITE CATHOLIQUE DE LOUVAIN	BE
THE UNIVERSITY OF NEWCASTLE UPON TYNE	UK
UNIVERSITAET PASSAU	DE
UNIVERSITA DI PISA	IT
UNIVERSITY OF WESTMINSTER	UK
UNIVERSITAT POLITECNICA DE CATALUNYA	ES
VALTION TEKNILLINEN TUTKIMUSKESKUS	FI
KONRAD-ZUSE-ZENTRUM FUER INFORMATIONSTECHNIK BERLIN	DE
AKADEMICKIE CENTRUM KOMPUTEROWE CYFRONET	PL
WESTFAELISCHE WILHEMS-UNIVERSITAET MUENSTER	DE
THE VICTORIA UNIVERSITY OF MANCHESTER	UK
HAUTE ÉCOLE SPÉCIALISÉE DE SUISSE OCCIDENTALE	CH
VRIJE UNIVERSITEIT AMSTERDAM	NL