

CoreGRID: European Research Network on Foundations, Software Infrastructures and Applications for large scale distributed, GRID and Peer-to-Peer Technologies

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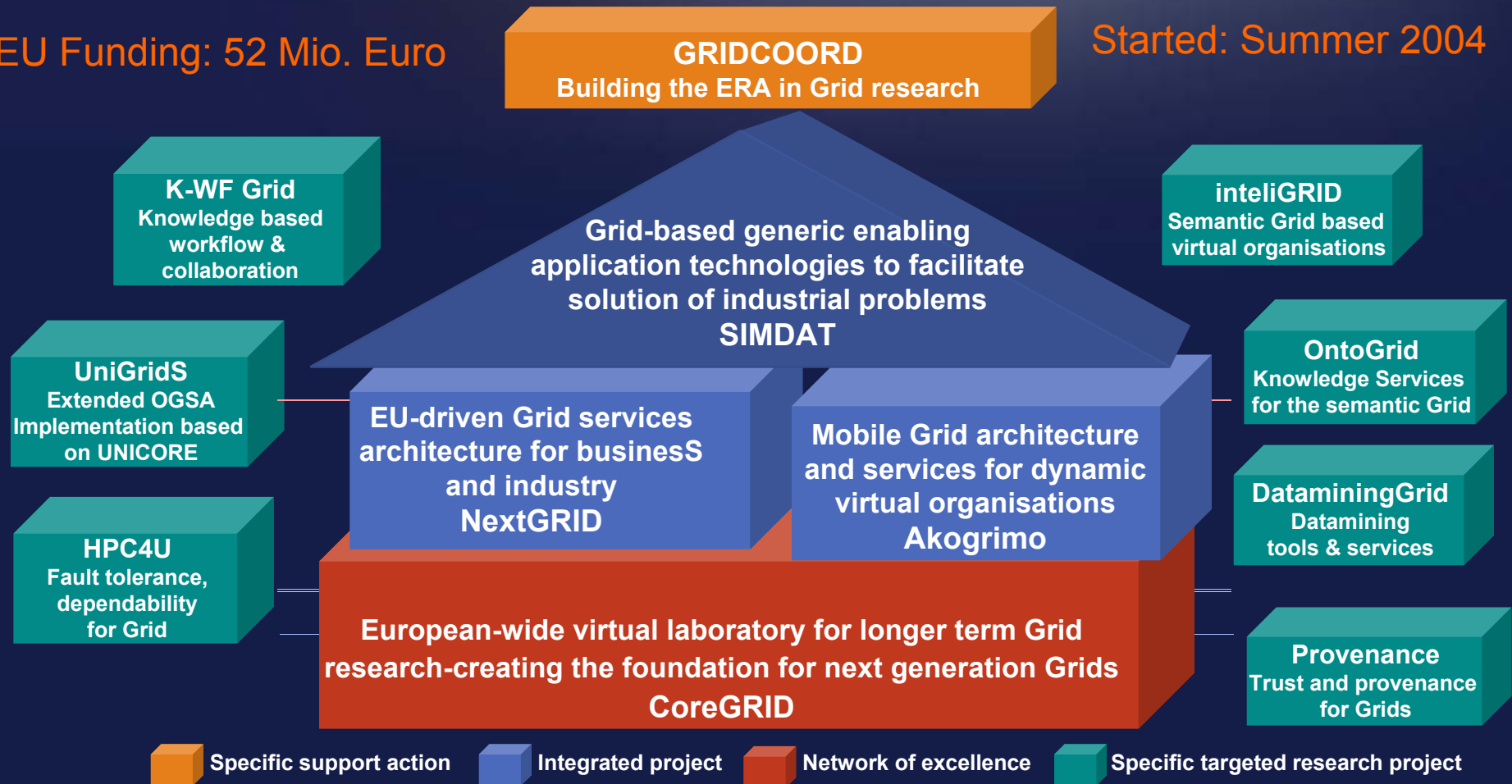
<http://www.coregrid.net>

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F2 Grid Research Projects in FP6

EU Funding: 52 Mio. Euro

Started: Summer 2004



CoreGRID objectives

- To build an **European-wide virtual research laboratory**
 - To avoid fragmentation of Grid research activities in Europe
 - Create the European “Grid Lighthouse” and be seen as such worldwide
 - To achieve integration and sustainability
- To **build solid foundations for GRID and P2P technologies**
 - Both on a methodological basis and a technological basis.
 - Support medium and long term research activities
- **Achieve and promote scientific and technological excellence within & beyond the Grid research community**
- Gather and disseminate European research
- A think-tank for spin-off projects
 - EC funded, bilateral projects, international cooperation, ...



CoreGRID membership

42 partners

18 Countries (1 from S. America)

120 Researchers

165 PhD Students



Organization of Activities

Joint Programme of Activities

Collaboration Gateway

Wolfgang Ziegler



Pierre Guisset



Sergei Gorlatch



Integrated Activities

Coordinated Programming of Partners' activities

Coordinated approach to prepare project proposals

Internal Collaboration and Dissemination

Annual Integration Workshop

Common Understanding Trust & Security

Grid Testbed

Mobility of researchers

Domenico Talia



Marco Danelutto



Artur Andrzejak



Ludek Matyska



Ramin Yahyapour



Vladimir Getov



Jointly Executed Research

Knowledge & Data Management

Programming Model

System Architecture

Grid Information and Monitoring Service

Resource Management And Scheduling

PSE, tools and GRID systems

Spreading of Excellence

Public Website

Technical reports

Workshops & conferences

Industry

GRID User community

Newsletter

Conferences

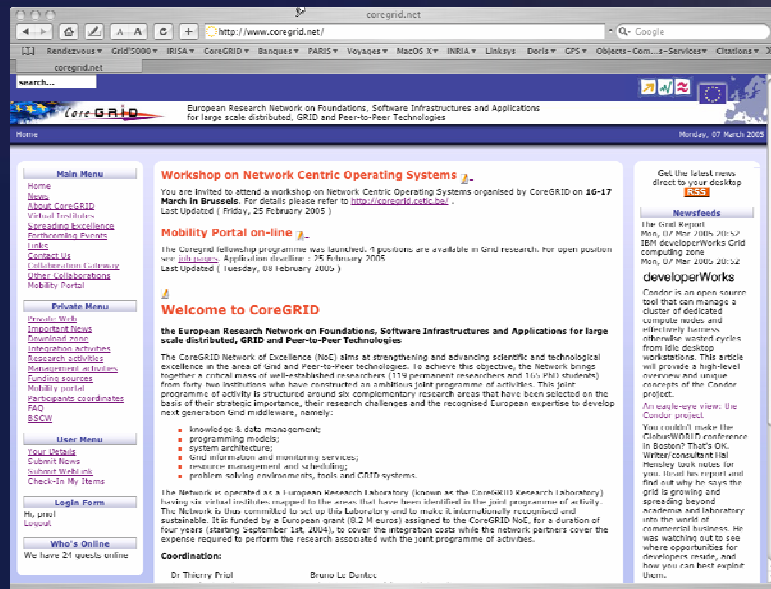
Brochures

Training & Education

Standards

- **Basic research does not necessarily need standardization**
 - but exploitation and implementation needs it!
- **Interoperability and standardization are key requirements for Grid research**
 - needs an international community effort
- **Sustainability and impact can only be achieved if CoreGRID participates in standardization and community efforts**
 - Many CoreGRID partners are already active in GGF and W3C
- **CoreGRID fosters European Grid research participation in the GGF**
 - Funding for joint work and collaboration

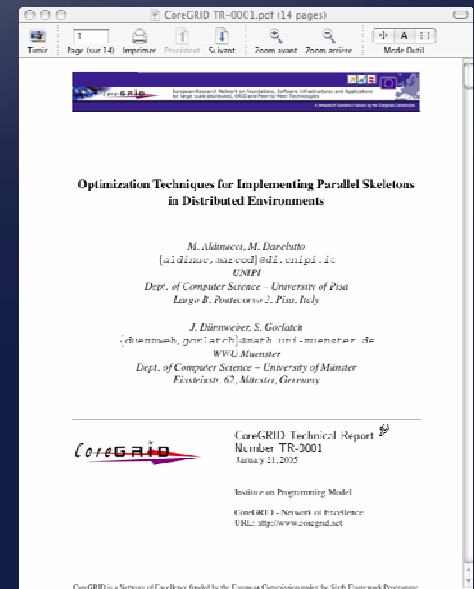
Access to CoreGRID results



The screenshot shows the CoreGRID website homepage. The header includes the CoreGRID logo and the text "European Research Network on Foundations, Software Infrastructures and Applications for large scale distributed, GRID and Peer-to-Peer Technologies". The main content area features a "Main Menu" with links to Home, News, About CoreGRID, and various research areas. A "Workshop on Network Centric Operating Systems" is highlighted, along with a "Mobility Portal on-line". A "Welcome to CoreGRID" section describes the network's goals and activities. A "Coordination" section lists the project manager and technical coordinators.



The screenshot shows the CoreGRID Newsletter, February 2005. The header includes the CoreGRID logo and the text "CoreGRID Newsletter Feb05-1.pdf (2 pages)". The main content area features a "Welcome to CoreGRID" section, a "Preface" by the project manager, and a "Report from CoreGRID Events" section. The newsletter also includes a "CoreGRID Publications" section and a "P2P News" section.



The screenshot shows the CoreGRID Technical Report, Number TR-001, January 2005. The header includes the CoreGRID logo and the text "CoreGRID Technical Report Number TR-001 January 2005". The main content area features a "Title" section, a "Abstract" section, and a "Keywords" section. The report also includes a "References" section and a "Contact" section.

<http://www.coregrid.net>

Newsletter

Technical Report

Conclusion

CoreGRID started in September 1st, 2004

- A very active project although it is in its early stage
- Funding from the EC: 8.2 M€ for the first 4 years
- Involvement of the main European Key players in Grid computing (both institutions and researchers)
- The only Network of Excellence in Grid funded by the EU
- Open to new participants after September 2005

Participation in standardization and international collaboration efforts is part of the dissemination plan

- GGF is a forum with broad attendance by the academic community as well as industry
- CoreGRID partners work actively in GGF

