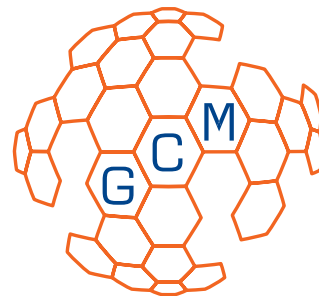


# GridCOMP

Effective Components for the Grids



*Grids programming with components: an advanced component platform for an effective invisible Grid - a research project supported by the European Union.*

A Grid  
Component  
Model

Information Technologies require standards for interoperability; they are a true catalyst for scientific and business development.

The GridCOMP project defines and implements a **Grid Component Model (GCM)** for the IT sector. Standard Grid components will make it possible to seamlessly compose applications and services deployed on large-scale infrastructures including several thousand machines all over the world.

The  
"invisible  
Grid"  
Concept

The main goal of the GridCOMP project is the design and implementation of a component based framework suitable to support the development of efficient Grid applications. The framework will implement the "invisible Grid" concept as it will properly abstract all those specific Grid-related implementation details that usually require high programming efforts to be dealt with. GridCOMP will take the Grid Component Model developed by the CoreGRID Network of Excellence (<http://www.coregrid.net>) as a first specification, and use the OW2 ProActive Open Source implementation (<http://www.ow2.org/>) as a starting point. OW2 ProActive Grid middleware ensures interoperability with other standards such as EGEE gLite, UNICORE, NorduGrid, Globus, and Web Services.



*Standard Grid components will make it possible to seamlessly compose applications and services deployed on large-scale infrastructures.*

Expected  
Impact

GridCOMP will leave an imprint on the European and worldwide Grid community by:

- defining a component framework using standard tools;
- participating in well-known standardization bodies;
- disseminating the project results and achievements to both the scientific and industrial communities;
- contributing to the development of a component industry for the Grid.



Web site: <http://gridcomp.ercim.org/>

*GridCOMP is a 'Specific Targeted Research Project' supported by the IST programme of the European Union (DG Information Society and Media, project n° FP6-034442)*

CoreGRID

ProActive  
Programming, Computing, Working on the Grid

ObjectWeb  
Open Source Middleware



Information Society  
Technologies

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Effective Components for the Grids



## Cooperation

Coordination with the Networked European Software&Service Initiative (NESSI) is a strong priority, with the involvement of OW2, Atos Origin and IBM.

GridCOMP addresses both scientific computing and Grid-based business applications. The project can reach a world-wide audience thanks to the involvement of partners from Australia, China and South America.

## Partnership



ERCIM EEIG  
European Research Consortium  
for Informatics and Mathematics, France



INRIA - Institut National de Recherche  
en Informatique et en Automatique, France



Computer Science Department  
University of Pisa, Italy



IBM Zurich Research Laboratory  
Switzerland



Harrow School of Computer Science  
University of Westminster, London, UK



ATOS Origin, SAE, Spain



Department of Computer Science and  
Technology, Tsinghua University, China



Institute of Information Science and  
Technologies of the Italian National Research  
Council (ISTI CNR), Pisa Italy



Department of Computer Science  
and Software Engineering, University  
of Melbourne, Australia



Grid Systems, SA, Mallorca, Spain



Computer Science Department,  
University of Chile

## Facts

Duration:	From 1 June 2006 to 30 November 2008
Budget	€2.974,230
EC Funding	€1.750,000
Funded by	IST Programme
Instrument	Specific Targeted Research Project
EC Project No.	FP6-034442

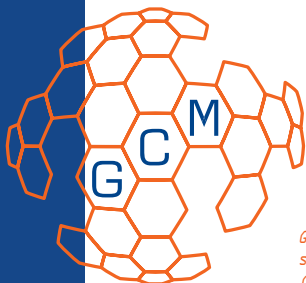
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