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 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.

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.

GridCOMP is a ‘Specific Targeted Research Project’ supported by the IST programme of the European Union (DG Information Society and Media, project no FP6-034442)

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

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