The EU KnowARC Project

**Objectives**

- To create a novel, powerful next generation Grid middleware which is simple, non-invasive and cost-efficient
- To promote Grid standardization and interoperability
- To contribute to Grid technology take-up, bridging the gap between academia and business in Grid development

**Portability**

By improving and extending the popular Advanced Resource Connector, we will provide a next-generation grid middleware with web-service interfaces. Key components of the middleware will be ported to a variety of popular operating systems, including all major Linux distributions, Solaris, Mac OS and Microsoft Windows.

**Simplicity**

The next generation grid middleware developed by KnowARC will be a simple, self-healing system which requires minimal effort to install and to use.

**Interoperability**

Being able to interoperate with other grid middleware solutions is deep inside the heart of the KnowARC components design. Standard web service interfaces as well as grid gateways help ARC jobs and users to transparently and securely use grid resources of various grid systems such as Globus-based grids, EGEE gLite-based grid and UNICORE.

**Exploitation**

One of the key project objectives is to provide affordable grid solution to a variety of customers in e-Science, public companies and commercial enterprises. This solution will rationalize resource utilization and organise company or project resources into a single large, secure and easy-to-manage virtual computer.

Visit the KnowARC Web site at http://www.knowarc.eu