

**Primeur Weekly 12  
September 2005**> **Special**

> German Ministry of Education and Research (BMBF) grants 17 million euro to set up national D-Grid infrastructure

> A Grid for biomedical applications:  
Medi-Grid

> C3 Grid - Collaborative Climate Community Data and Processing Grid

> **EuroFlash**

> Capital FX speeds 2K and 4K work flow on major Hollywood movies using SGI InfiniteStorage technology

> On-demand licensing flexibly covers peak loads in the Dynamic Data Center

> Rhozet introduces the Graphite MPEG Grid Encoder

> Cray and Celoxica make reconfigurable computing easier to program

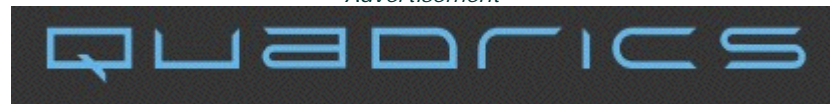
> DataSynapse implements GridServer for BNP Paribas' global structured credit group

> Austria public broadcaster ORF selects SGI technology for central editing storage

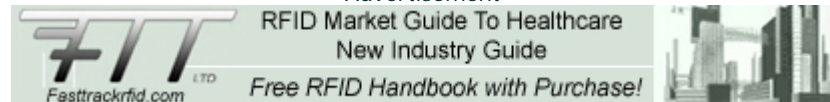
## German Ministry of Education and Research (BMBF) grants 17 million euro to set up national D-Grid infrastructure

**Berlin 09 September 2005** BMBF will advance the development of new services for research and science in the framework of the e-Science initiative. Scientists will be able to process complex scientific problems independently from their location or the available facilities such as computers, programmes, data and information. In the first phase of the D-Grid deployment, the Ministry has made available 17 million euro. Grid computing allows the users to make available at their fingertips remote computing power, databases and scientific instruments. This can only be achieved when the codes are standardised in order to communicate with each other without any complications. At the basis, a special software is required, the so-called middleware.

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In Kassel the co-ordinators from six research consortia have gathered to exchange their concepts for collaboration within the D-Grid projects based on a so-called Grid middleware integration platform. In three years they aim at creating the basis for a German Grid infrastructure. Scientists from over 60 research institutions are involved.

The following consortium projects have been selected:

- C3-Grid: development of a transparent system for effective scientific analysis of the high-volume Earth system model and "observation data for the German Earth system research. This project is led by the Alfred-Wegener Institute for Polar and Ocean Research (AWI), Bremerhaven.
- HEP-Grid: development of applications and components for data selection in high-energy physics, led by the German Electron Synchrotron (DESY), Hamburg.
- GAC-Grid: development of a framework with related standards for the collaborative management of astronomy-specific resources such as telescopes, and an infrastructure specifically set up for this goal. This project is led by the Astrophysical Institute in Potsdam (AIP).
- Medi-Grid: a Grid-supported ORF improvement of the interdisciplinary location-independent collaboration in the medical research as well as the establishment of exemplary applications. This initiative is led by the Telematic Platform for Medical Research Networks (TMF), Berlin.
- INI-Grid: Grid environment for scientific engineering applications and collaboration in

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infrastructure

> Danish Broadcasting Corporation extends asset management capabilities with third SGI InfiniteStorage system

> German public broadcaster SR to increase efficiencies including shorter time-to-air using SGI InfiniteStorage and broadcast systems

> SGI and DVS enhance production work flow for film studios and digital intermediate facilities with integrated HD and data management products

> SGI delivers more compact, digital media-ready system for film industry and broadcasters

> IBM signs 1.5 billion euro contract with ABN AMRO to manage infrastructure services

#### > USFlash

> Cray XD1 supercomputer delivers three times more power to reconfigurable computing applications

> University of Florida's Advanced Computing and Information Systems Lab turns

modelling, simulation and optimization capabilities. This project is led by the High Performance Center at the University of Stuttgart (HLRS).

- D-Grid-Integration Project: deployment of an infrastructure across Germany as a necessary condition for the development of services and their widespread use in science under the leadership of the Research Center in Karlsruhe (FZK).

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**Ad Emmen**