


FIRST INDUSTRIAL APPLICATION IS RUNNING ON EGEE

A vertical strip on the left side of the page shows a blue-toned seismic data visualization with complex, wavy patterns.

Geocluster, the leading industry Seismic Processing Solution, is the first industrial application successfully running on the Enabling Grids for E-science (EGEE) Grid Production Service, within the Expanding GEOsciences on DEMand (EGEODE) Virtual Organisation (VO). EGEODE is dedicated to research in geosciences for both public and private Industrial Research & Development and Academic Laboratories.

Geocluster is developed and marketed by Compagnie Générale de Géophysique (CGG) in France, a leading supplier of geophysical products and services to the worldwide Oil and Gas, Mining and Environmental Industries. Geocluster software is used in production in CGG and client's sites and includes several tools for signal processing, simulation and inversion (model optimisation). It enables researchers to process seismic data and to explore the composition of the Earth's layers. The application brings together users and collaborators from several countries in Europe, Asia and the Americas.

Dominique Thomas, CGG Software Development Manager, said: *"There are numerous benefits in operating on the EGEE infrastructure, not least the fact that you can share IT resources and software. It frees the researcher from the additional burden of managing IT hardware and software complexity and limitations. Thanks to EGEE, providing the geosciences research community with easy access to comprehensive and commercial seismic processing software is now a reality. We are truly excited by the fact that both academic and industrial researchers can potentially benefit from EGEODE."*

The results of the experiments obtained with Geocluster on the EGEODE VO will be presented at the next European Geosciences Union General Assembly, in April in Vienna, and at the European Association of Geoscientists and Engineers Conference, in Madrid in June, to promote collaboration between Research & Development from both academic and industrial researchers.

The CGG group is a global participant in the oilfield services industry, providing a wide-range of seismic data acquisition, processing and geoscience services and software to clients in the oil and gas exploration and production business. It is also a global manufacturer of geophysical equipment. CGG develops, markets and supports a broad portfolio of advanced geoscience software systems that cover seismic data acquisition and processing, as well as geoscience interpretation and Exploration and Production data management. With an installed base exceeding 150 sites and the industrial use of its own software in over 20 processing service centres, CGG is a strategic supplier of geoscience software.

The EGEE project, funded by the European Commission, aims to build on recent advances in grid technology and develop a Grid Production Service which is available to scientists 24 hours-a-day. The project aims to provide researchers in both academia and industry with access to major computing resources, independent of their geographic location. The EGEE project identifies a wide range of scientific disciplines and their applications and supports a number of them for deployment. To date there are six different scientific disciplines running on the EGEE Grid infrastructure. The EGEE project is led by CERN, the European Organization for Nuclear Research, and involves over 70 partner institutions across Europe, Russia, Asia and the United States.

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Note to Editors:

1. Seismology is the scientific study and recording of earthquakes and related phenomena;
2. For more information about the EGEE project, please contact Joanne Barnett, EGEE External Relations Officer, TERENA Secretariat on telephone: +31 20 530 4488 or email barnett@terena.nl or visit the EGEE website at <http://public.eu-egee.org> ;
3. For more information about EGEODE, please contact Dominique Thomas, Software Development Manager, CGG on telephone: +33 1 6447 3766 or email: dthomas@cgg.com or visit the CGG website at www.cgg.com .