

## **CSCS to grant 250 million cpu hours**

**The Swiss National Supercomputing Centre (CSCS) supports Swiss scientist in all matters concerning supercomputing and scientific computing. Until October 14th 2011 new requests for compute time for large projects can be submitted. Users now also have access to supercomputers for their data analysis.**

The Swiss National Supercomputing Centre ([CSCS](#)) is the High Performance Computing (HPC) partner for Swiss technical universities, universities and federal research entities. Its core mission is to provide scientists with the [compute infrastructure](#) they need. In this context, CSCS with its international team offers scientists important know-how and competent support in HPC, visualisation, the implementation of codes on the computers as well as with the continuous development and optimisation of codes and algorithms on new computer architectures.

### **Support in HPC**

Thanks to close collaborations with the scientists, the CSCS [team](#) is familiar with the key issues of various disciplines in HPC. As the competence centre for supercomputing CSCS often brings together scientists that, independently from each other, are seeking solutions to similar problems. This often leads to research co-operations, such as those in the areas of astrophysics, climate materials research that CSCS actively supports in all matters HPC.

Thanks to its flexibility and innovation CSCS has gained a reputation amongst compute centres and hardware vendors worldwide, which has led to co-operations with other institutions and industry. This enables CSCS to influence hardware developments – based on the requirements of our users – and to develop new tools and methods, allowing CSCS to provide Swiss scientist with a competitive advantage in the worldwide competition.

### **Submission deadline 14<sup>th</sup> October**

Researchers in computational sciences can continuously submit short

preparatory projects to CSCS. For large projects with a duration of up to three years, scientist can apply for compute time every 6 months. The current call for proposals closes on October 14<sup>th</sup> 2011 and will see 250 million cpu hours allocated amongst Swiss institutions starting April 1<sup>st</sup> 2012.

Thanks to the installation this summer of the Cray XMT and SGI UV users now have access to supercomputers for their data analysis and data structuring. [Registered users](#) can use their user name and password to download the application forms from the CSCS website from the beginning of October. Details about this and full information on who can apply for compute time and what this requires can be found at <http://www.cscs.ch/nss/submission>