

18.03.2009



DCSC
Rene Belso, Director

Proposal to exchange computing resources

CSC – IT Center for Science proposes exchange of computing cycles between Denmark (DCSC) and Finland (CSC).

Currently, there is large amount capability resources in Finland. On the other hand our capacity resources are somewhat lacking with respect to the customer demand. To our understanding the situation in terms of existing computer resources is quite the opposite in Denmark. Thus, we believe that the users in both countries could benefit clearly from the resource exchange. This would give the Danish users access to one of the top supercomputers in Europe: 100 Tflops Cray XT4/XT5 machine.

The amount of exchanged CPU-hours should be significant enough in order to justify the extra work needed. Initially CSC suggests to aim at least to the amount of four million Cray XT4/XT5 core-hours.

The exchange should start with a test period in order to evaluate in a light-weight manner the systems in both countries. During this test period the conversion factor for core-hours in different systems would be determined. The actual exchange period would, initially, last until the end of 2009.

Both countries should give the foreign users basic level support (porting, using batch systems etc).

With kind regards,

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