

Multi Site ARC Services

Acronym: Multi-Site-ARC

Type: AAA/Switch

Target dates: du 01.10.2010 au 30.09.2011

Estimated total cost : 147 kCHF

hepia/inIT estimated cost : 127 kCHF



Partners

- hepia
- BIS/Sierre
- SUPSI

Summary

The new distributed and heterogeneous cluster will be used as platform for research, education, and application development. Applications in the fields of fluid dynamics simulation, neuronal activity mapping and image and textual analysis will be made available through the Grid infrastructure. Demonstrations, lab assignments and lectures about distributed computing are facilitated by the new cluster, as well as performance analysis for several cluster softwares.

The main goals of the project are:

- Extending the Swiss Multi-Science Grid (SMSCG) platform with a new node providing an access to a high-performance Linux cluster.
- Integrating the XtremWeb-CH platform into the SMSCG platform.
- Deploying three scientific applications on the SMSCG platform, and therefore making them available for the Swiss academy.

hepia contact

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