CENTRE FOR PARALLEL COMPUTING
RESEARCH PROJECTS

IDGF-SP: INTERNATIONAL DESKTOP GRID FEDERATION – SUPPORT PROJECT

Funding Body:	EU	Programme:	Framework Programme 7
Start Date:	01/11/2012	End Date:	31/10/2014

Partners

- Laboratory of the Parallel and Distributed Systems in the Computer and Automation Research Institute of the Hungarian Academy of Sciences (MTA-SZTAKI), Hungary (Coordinator)
- Stichting AlmereGrid, The Netherlands
- University of Westminster, UK
- University of Leiden, The Netherlands
- Sony Computer Science Laboratory, France
- Charity Engine, UK
- International Desktop Grid Federation, The Netherlands

Website

http://idgf-sp.eu

Synopsis

There are over a billion PCs in the world. Many of these PCs can be found in citizens' homes and in universities, but for much of the time, they are unused. Currently, about 1 million of them are actively supporting science in a volunteer desktop computing grid that uses idle PC time to run scientific computer applications. The potential growth of this type of computing capacity is enormous. The International Desktop Grid Federation Support Project (IDGF-SP) plans to boost considerably the number of citizens that donate computing time to e-Science. It will do so by targeted communication activities and setting up a network of ambassadors. It will also help universities to incorporate otherwise idle PCs from classrooms and offices into their organisations' distributed computing infrastructures. By employing unused PCs in organisational desktop grids, universities and may make significant savings on the cost of providing high performance computing capacity for their research teams. IDGF-SP will collect and analyse data that will help in the effective and energy efficient deployment of idle PCs – thus contributing to Green IT agenda. IDGF-SP will help strengthen the co-operation amongst Desktop Grid e-Infrastructure operators and support IDGF Desktop Grid providers to integrate their infrastructures into the main e-Science environment.