VENUS-C – VIRTUAL MULTIDISCIPLINARY ENVIRONMENTS USING CLOUD INFRASTRUCTURES

Funding Body:	EU	Programme:	Framework Programme 7
Start Date:	01/07/2011	End Date:	31/05/2012

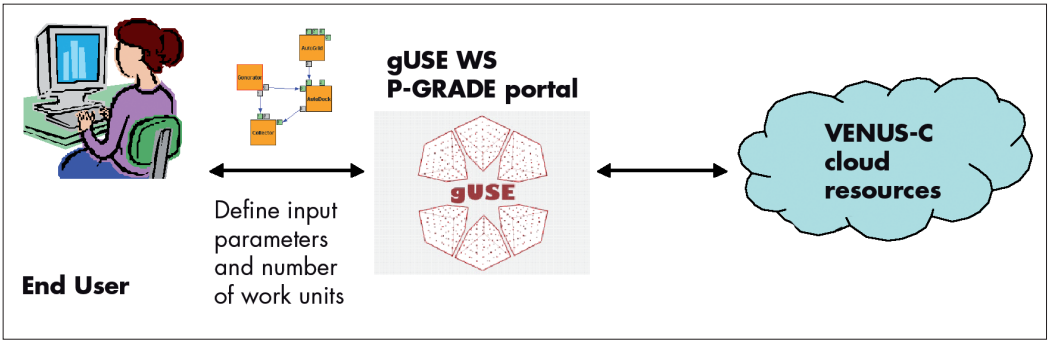
Partners

The CPC is a newly selected subcontractor of the Venus-C project whose core partners are:

- Engineering Ingegneria Informatica SpA, Italy
- Barcelona Supercomputing Centre, Spain
- Centre for Computational and Systems Biology, Italy
- Collaboratorio, Italy
- Microsoft Innovation Center, Greece
- Microsoft Research, Cambridge, UK
- National Research Council of Italy
- Royal Institute of Technology, Sweden
- Technion, Haifa, Israel
- The European Chapter of the Open Grid Forum (OGF.eeig)
- The European Microsoft Innovation Center
- Universidad Politecnica de Valencia, Spain
- University of Newcastle, UK
- University of the Aegean, Greece.

Synopsis

Cloud computing can transform how research is conducted by empowering the research community broadly in new ways, ultimately accelerating global scientific exploration, discovery and results. VENUS-C (Virtual multidisciplinary EnviroNments USing Cloud Infrastructures) is a pioneering project for the European Commission's 7th Framework Programme that draws its strength from a joint co-operation bringing together industrial partners and scientific user communities.
Its aim is to develop and deploy a Cloud computing service for research and industry communities in Europe by offering an industrial-quality, service-oriented platform based on virtualisation technologies facilitating a range of research fields through easy deployment of end-user services. The Open Call, which was launched in early January 2011, aims to extend the current user scenario portfolio and enable a new generation of research applications to validate the infrastructure for advancing scientific discovery. The Centre for Parallel Computing is one of the 14 newly selected subcontractors to migrate their applications to the VENUS-C platform. The CPC is enabling the AutoDock molecular docking simulation.



Brief USP

Building a production quality cloud service for research and industry.

Making the cloud platform directly accessible and usable for a wide range of user communities.

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