CENTRE FOR PARALLEL COMPUTING
RESEARCH PROJECTS

ER-FLOW: BUILDING A EUROPEAN RESEARCH COMMUNITY THROUGH INTEROPERABLE WORKFLOWS AND DATA

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Partners

- University of Westminster, UK (Coordinator)
- Laboratory of the Parallel and Distributed Systems in the Computer and Automation Research Institute of the Hungarian Academy of Sciences (MTA-SZTAKI), Hungary
- Centre National de la Recherche Scientifique (CNRS), France
- Stichting European Grid Initiative, Netherlands
- Academic Medical Center of the University of Amsterdam, The Netherlands
- Technische Universität Dresden, Germany
- Ludwig-Maximilians-Universitaet Munich, Germany
- University College London, UK
- Trinity College Dublin, Ireland
- Instituto Nazionale di Astrofisica, Italy

Website

http://www.erflow.eu

UNIVERSITY OF TECHNOLOGICAL INNOVATION WESTMINSTER

Synopsis

The ER-flow project disseminates the achievements of the SHIWA project and to build workflow user communities across Europe. ER-flow provides application support to research communities within and beyond the project consortium to develop, share and run workflows with the SHIWA Simulation Platform.

End-users are e-scientists - they are the domain researchers (eg. biologists, chemists) who wish to run workflows to either reproduce an experiment represented as a workflow in the SHIWA Repository or make their own experiment with their own data sets. To run workflows they browse the SHIWA Repository to find and download workflows to the SHIWA Portal in order to execute them.

Workflow developers are computer scientists who have knowledge of workflows, the underlying workflow system and the corresponding middleware. They support end users to build their workflows. To achieve it they define workflows and their implementations and configurations, and they upload all this data to the repository and make it public.

Workflow system developers are computer scientists who develop the various workflow systems. They upload the workflow system's description into to the SHIWA Repository to support execution of non-native workflows.