

Workflow sharing and integration services by the ER-flow project

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URL

<http://www.erflow.eu/>, <http://www.shiwa-workflow.eu/>

Summary

Workflows that orchestrate data and/or compute intensive applications on Distributed Computing Infrastructures (DCIs) recently became standard tools in e-science. At the same time the broad and fragmented landscape of workflows and DCIs slows down the uptake of workflow-based work. The development, sharing, integration and execution of workflows is still a challenge for many scientists. The FP7 “Sharing Interoperable Workflow for Large-Scale Scientific Simulation on Available DCIs” (SHIWA) project significantly improved the situation, with a simulation platform that connects different workflow systems, different workflow languages, different DCIs and workflows into a single, interoperable unit. The presentation will provide a summary of the SHIWA Simulation Platform and how this platform is used by the ER-flow project to expand the use of workflows among European scientists.

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