

# **SHaring Interoperable Workflows for Large-Scale Scientific Simulations on Available DCIs**

**Introduction**

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Project Start date: 2010-07-01 Duration: 24 months

<http://shiwa-workflow.eu>



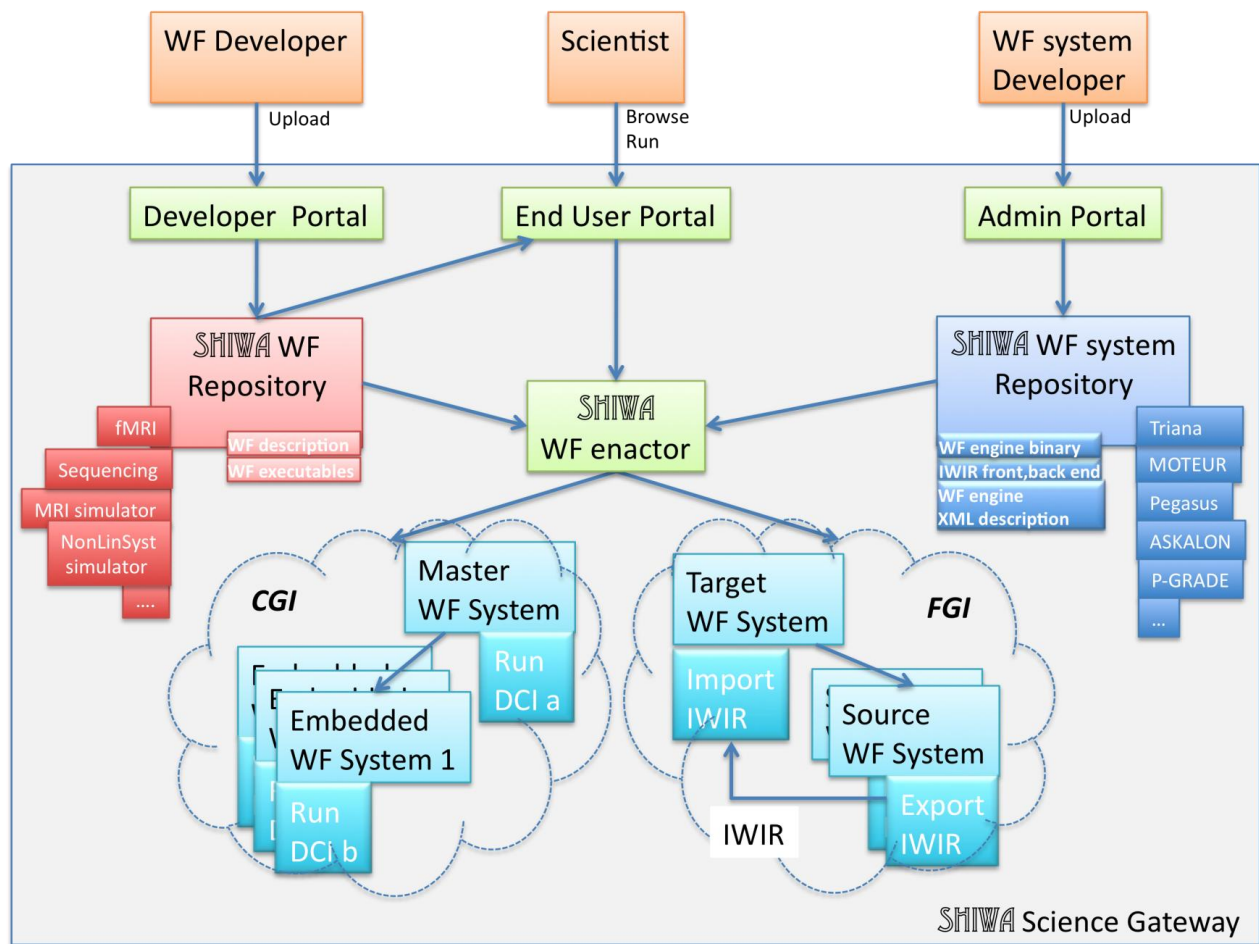


# Main objectives of SHIWA

- ▶ To enable developing workflows, uploading them to a repository, searching, downloading and re-using them inside and through Virtual Research Communities
- ▶ To achieve coarse- and fine-grained workflow interoperability to enable workflow sharing
- ▶ To support Virtual Research Communities in design and implementation workflows to run in-silico experiments
- ▶ To improve interoperability among Distributed Computing Infrastructures at workflow level
- ▶ To simplify access to Distributed Computing Infrastructures to run workflows on multiple DCIs
- ▶ To promote the use of European e-Infrastructures among simulation communities from different disciplines



# Workflow Interoperability by SHIWA



SHIWA Science Gateway



# Project partners of SHIWA

No	Participant organisation name	Part. short name	Country	Expertise & Experience
1	Magyar Tudományos Akadémia Számítástechnikai és Automatizálási Kutató Intézet	MTA SZTAKI	Hungary	PGRADÉ portal & workflow system,, DCIs (EGEE, Hun -Grid), application porting,
2	Universität Innsbruck	UIBK	Austria	ASKALON workflow system, DCIs (Austrian Grid , EGEE)
3	CHARITE – Universität Medizin Berlin	C-UB	Germany	Bio and Life Science applications with workflows
4	Centre National de la Recherche Scientifique	CNRS	France	Moteur workflow system, DCIs (D-Grid, EGEE), application porting
5	University of Westminster	UoW	UK	science gateway, repository, DCIs (EGEE, NGS) application porting,
6	Cardiff University	CU	UK	Triana workflow system, data management
7	Academisch Medisch Centrum bij de Universiteit van Amsterdam	AMC	Netherlands	Bio and Life Science applications with workflows
8	University of Southern California (third party under CU)	USC	USA	Pegasus workflow management system



# Organisation of work (WPs)

Work Package	Work Package Name	Activity Type
WP1=NA1	Project Administrative and Technical Management	MGMT
WP2=NA2	Knowledge Services	COORD
WP3=SA1	SHIWA Simulation Platform	<b>OTHER</b>
WP4=SA2	Application Support Service	<b>OTHER</b>
WP5=JRA1	Coarse-Grained Workflow Interoperability	RTD
WP6=JRA2	Fine-Grained Workflow Interoperability	RTD