Summary of the main achievements, open issues and future plans

# 1. Introduction

The purpose of the present document is to give a brief summary of the collaboration between EGI.eu and the SHIWA project (SHaring Interoperable Workflows for large-scale scientific simulations on Available DCIs).

The collaboration started with the signing of an MoU between EGI and SHIWA on 22 November 2011. The end date of the agreement was 31 May 2012, the end of the SHIWA project.

The specific goals of the collaborations are:

* Dissemination
* VRC Integration

# 2. Main achievements

## 2.1 Dissemination activities

This section lists the joint dissemination activities, including publications, workshops, materials, news items and blog posts.

### Publications

The SHIWA project and EGI.eu have collaborated in the following publications:

#### Print

* "Project profile: SHIWA and outGRID", by Agnes Szeberenyi, *EGI Inspired Autumn 2011* (<http://go.egi.eu/Autumn11PDF>, page 5) - feature article about the SHIWA project

#### Online

* "EGI signs agreements with EDGI and SHIWA", by Sara Coelho, *EGI news 24 November 2011* (<http://www.egi.eu/news-and-media/newsfeed/news_0100_MoU_with_EDGI_and_SHIWA.html>) - News item announcing the agreement
* “Highlights from the 2012 Summer School in Budapest”, by Kitti Varga, *EGI news 18 July 2012 (*<http://www.egi.eu/news-and-media/newsfeed/news_0154_SummerSchool2012.html>) - News item summarizing the Summer School 2012
* “Where are all the ships when we don't see them?”, by Kitti Varga, *EGI news 28 September 2012 (*<http://www.egi.eu/news-and-media/newsfeed/news_0168_where_are_the_ships_when_we_dont_see_them.html>) – Success story about the SHIWA technology
* Both websites announce the collaboration:
  + SHIWA: <http://www.shiwa-workflow.eu/collaborations>
  + EGI: <http://www.egi.eu/community/collaborations/SHIWA.html>

#### Blog posts

* "Joint Workshops on e-Science Workflows in Budapest", by Richard McLennan, *EGI Blog 18 November 2011* (<http://www.egi.eu/blog/2011/11/18/joint_workshops_on_e_science_workflows_in_budapest.html>)
* " MoU with EGI-InSPIRE has been signed", by Kitti Varga, *SHIWA news feed 23 November 2011* (<http://www.shiwa-workflow.eu/news/-/blogs/158261/maximized?p_p_auth=rF4nzt2b>)
* "Workshops on e-Science Workflows in Budapest - Registration now open", by Richard McLennan, *EGI Blog 10 January 2012* (<http://www.egi.eu/blog/2012/01/10/workshops_on_e_science_workflows_in_budapest_registration_now_open.html>)
* "Joint Summer School on Workflows and Gateways for Grids and Clouds", by Neasan O'Neill, *EGI Blog 4 April 2012* (<http://www.egi.eu/blog/2012/04/04/joint_summer_school_on_workflows_and_gateways_for_grids_and_clouds.html>)

#### Videos

* "LINGA workflow presented on the 2011 EGI Technical Forum" (<http://www.shiwa-workflow.eu/news/-/blogs/106604/maximized?p_p_auth=rF4nzt2b>)

### Events

EGI and SHIWA have collaborated on a number of joint workshops at the EGI Technical, User and Community Forums.

#### EGI User Forum 2011, Vilnius

The SHIWA project organized a tutorial at the EGI User Forum in Lyon (11 April 2011), featuring the SHIWA workflow interoperability solution developed and providing information on future plans (<http://indico.lpds.sztaki.hu/indico/conferenceDisplay.py?confId=6>). Trainees had the opportunity to learn how to use the SHIWA workflow repository, the SHIWA gateway and simulation platform to search for, compose and execute scientific workflows on multiple Distributed Computing Infrastructures.

#### EGI Technical Forum 2011, Lyon

The SHIWA project held a workshop session at the EGI Technical Forum in Lyon (23 September 2011, <https://indico.egi.eu/indico/contributionDisplay.py?contribId=62&confId=452>).

The session provided a technical overview about the SHIWA concepts and products, for example the SHIWA Simulation Platform and the SHIWA Repository.

#### Workshops on e-Science Workflows, Budapest

The joint event with EGI, called Workshops on e-Science Workflows was held at Budapest, 9-10 February 2012. This event is the first organised jointly by EGI and the SHIWA project to get the attention of workflow user communities all around Europe.

The first day of the workshop (organized by SHIWA) targeted workflow user communities to introduce the SHIWA services, including presentations and demonstrations. The second day was organized by EGI and targeted to bring together representatives of e-Science communities together with the providers of services, workflow technology and grid infrastructure to discuss and further clarify the requirements of ‘Scientific workflow systems’. (<http://www.shiwa-workflow.eu/09-10/02/2012-workshops-on-e-science-workflows>)

#### EGI Community Forum 2012, Munich

At the EGI Community Forum the second joint workshop with EGI was held. Several projects that also focus on workflow user communities were invited and the event was closed with a discussion session. The target audience was e-scientists from major European research communities. (<http://indico.lpds.sztaki.hu/indico/conferenceDisplay.py?confId=6>)

#### EGI Technical Forum 2012, 21/09/2012, Prague

Workflow Community Workshop was the third jointly organised workshop by EGI and the SHIWA project to bring together the workflow user communities of Europe. The ER-Flow project was introduced the first time during this workshop. Invited workflow related projects presented their work to the attendees and the workshop was closed with a discussion session where participants could share their opinion about how and why should workflow user communities work together.

### Summary

Since signing the MoU in November 2011, EGI and SHIWA have collaborated on a number of outreach activities, including announcing news and events through the websites, articles in the project newsletters and outreach on social media. A number of workshops and presentations have also taken place at EGI Community, User and Technical Forums, in the areas of requirements gathering and scientific gateways.

## 2.2. VRC Integration

This activity provided SHIWA a channel for contributing to the wider EGI community through the provision of training material, application details, documentation and presentations that could be made available to through the EGI User Support services (e.g. Training Marketplace, Applications Database). The SHIWA project published its Training material repository on the Training Marketplace to reach out to a wider user base and registered the SHIWA Simulation Platform to the Application Database.

EGI-InSPIRE and SHIWA also exchanged information on active or potential communities to extend EGI communities and SHIWA workflow communities and organized three events jointly as mentioned earlier.

Unfortunately due to lack of manpower SHIWA could not develop and deploy an EGI-compatible monitoring service for the SHIWA Repository.

## 3. Open issues

No open issues to report at the time.

## 4. Next steps / Future plans

Based on the successful co-operation between the parties, EGI was invited to participate in the 2 years long SHIWA follow-up project, called ER-flow, started in September, 2012.