

Project Deliverable D8.9

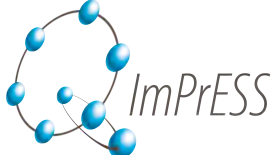
Second Collaboration Report

Project name: Q-ImPrESS
Contract number: FP7-215013
Project deliverable: D8.9: Second Collaboration Report
Author(s): Johannes Tysiak, Wladimir Safonov, Achim Baier, Danilo Ardagna, Raffaella Mirandola, Mircea Trifu, Michael Riedmüller
Work package: WP8
Work package leader: ITE
Planned delivery date: M24
Delivery date: 2009-12-23
Last change: 2009-12-23
Version number: 1.3

Abstract

This document contains the first report for SSAI&E inter-project collaboration. It is intended to describe the progress on the collaboration objectives and priorities of the project, the collaboration strategy and the planned collaboration activities as planned in project deliverable “D8.7: Collaboration Plan”.

Keywords: collaboration report, inter-project collaboration, SSAI&E, collaboration working group, joint dissemination

	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

Revision history

Version	Change date	Author(s)	Description
0.1	2008-12-04	Johannes Tysiak	Initial Version
0.2	2008-12-15	Wladimir Safonov	Added CWGs chapters
0.3	2008-12-22	Wladimir Safonov	Added Showcase + Other Efforts chapters
0.4	2009-01-10	Achim Baier	Formatting/Wording + “To-Do”
1.0	2009-01-17	Achim Baier / Wladimir Safonov	Conclusion, Shape
1.1	2009-01-19	Mircea Trifu	Review
1.2	2009-11-18	Johannes Tysiak	Update to current situation
1.3	2009-12-23	M. Riedmüller	Adapted formatting, tidying up

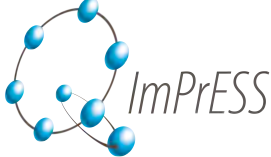
	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

Table of contents

1	Introduction	4
2	Collaboration Report	4
2.1	<i>Collaboration Strategy</i>	<i>4</i>
2.2	<i>Collaboration Activities during M13-M24</i>	<i>5</i>
2.2.1	Participation in the CWG on QoS & SLA	5
2.2.2	Participation in the CWG on Contribution to Standards	6
2.2.3	Joint Dissemination Activities	7
2.2.4	Other Collaboration Efforts	8
3	Conclusions	9

1 Introduction

The purpose of this document is to report on the activities for the Q-ImPRESS project within the context of the inter-project collaboration between ICT projects under the WP2007/2008 objective “Service and Software Architectures, Infrastructure and Engineering” (SSAI&E). This document is closely tied to project deliverable “D8.7: Collaboration Plan”, which presents the overall strategy and plan of the Q-ImPRESS consortium with regard to collaboration activities. This report covers the second year of the Q-ImPRESS project (M13-M24).

2 Collaboration Report

This section reports on the collaboration activities of the Q-ImPRESS consortium. Subsection 2.1 presents the overall collaboration strategy as planned in “D8.7: Collaboration Plan”. Subsection 2.2 discusses the collaboration activities, which were implemented during the second project year (M13-M24)

2.1 Collaboration Strategy

This section elaborates on the strategy for inter-project collaboration for the Q-ImPRESS project. The strategy was derived from the objective and priorities for Q-ImPRESS identified during the collaboration kick-off event and was presented in detail in project deliverable “D8.7: Collaboration Plan”, p. 7. Figure 1 shows a schematic overview of this strategy. The figure also shows the involvement of the project partners in each of the planned inter-project

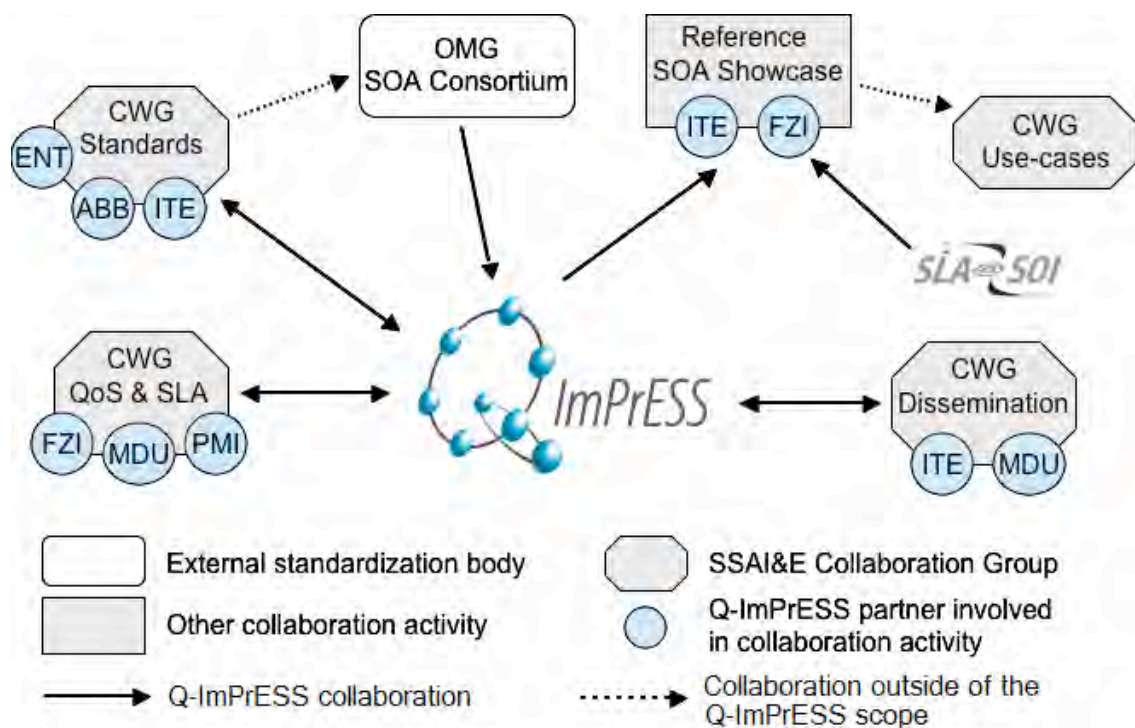
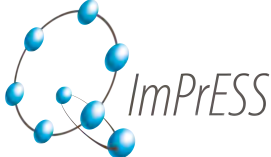


Figure 1: Collaboration strategy for the Q-ImPRESS project

collaboration areas.

	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

The Q-ImPRESS project is actively participating in the following collaboration areas.

2.1.1.1 Participation in Collaboration Working Groups

The Q-ImPRESS consortium is actively involved in two of the newly established collaboration working groups: the “CWG on Standards” and the “CWG on QoS & SLA”. The bidirectional arrows between the Q-ImPRESS project and these two CWGs in Figure 1 suggest a bidirectional information flow, meaning that on the one hand the Q-ImPRESS project will provide input to the CWGs, and on the other hand it will benefit from the results of the CWG.

2.1.1.2 Contribution to Standards

The members of the Q-ImPRESS consortium will keep in touch with the OMG standardisation body and especially with the SOA Consortium subgroup in order to monitor relevant standards in the area of modelling services and service architectures. Of particular interest here is the upcoming UPMS (UML Profile and Meta-model for Services) standard, which is currently in the drafting phase. Information about these standards as well as other topics of interest for the Q-ImPRESS project with high potential for standardisation will be fed into the CWG on Standards, which might then decide to approach the standardisation body with a written proposal for improvements. The dotted line between this CWG and the OMG in Figure 1 suggests this desired information flow.

2.1.1.3 Joint Dissemination

The Q-ImPRESS consortium is exploiting opportunities both to organize and to participate in joint dissemination activities, hence the collaboration with the “CWG on Dissemination”.

2.1.1.4 Reference Case-studies

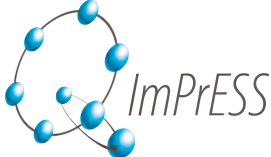
In addition to the involvement in the above mentioned collaboration groups, the Q-ImPRESS project is working together closely with the SLA@SOI project on the integration of the Enterprise SOA showcase with the Open Reference Case-study from SLA@SOI. The purpose of this integration is to create a single reference showcase to demonstrate the key concepts and features of both projects. The resulting showcase is a first step towards creating a standard example for demonstrating and comparing different service-oriented engineering approaches.

2.2 Collaboration Activities during M13-M24

This section discusses the concrete collaboration activities, which were implemented by the Q-ImPRESS consortium during the second project year.

2.2.1 Participation in the CWG on QoS & SLA

The collaboration working group on QoS and SLA was active in the first half of the second reporting period, while activities in the second half were reduced to planning. In the first half of the reporting period the leaders of the CWG created a call for two whitepapers on services, service modelling, SLAs and SLOs. The goal of that call was to collect the different usages of the terms service and SLA in the different project aiming at a unified view on these terms. Q-ImPRESS participated in the resulting white-papers. We added more than two pages on the meaning of services and SLAs at system design and development time – a lifecycle phase of a

	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

service-oriented system hardly covered by the other projects which focus more in runtime. Based on the white paper, the agenda for the CWG meeting in Brussels in June 2009 has been created in the CWGs telephone conferences. Q-ImPRESS participated actively in the prepared agenda with a talk on the issue of dealing with uncertainty by using probabilistic modelling to express system requirements in SLAs during design-time. We learned that the modelling capabilities of the other projects in the CWG face the same limitations and assumptions as we do in Q-ImPRESS and started a discussion on potential solution strategies. The closest collaboration project was – unsurprisingly – SLA@SOI which has a close relationship to Q-ImPRESS anyhow due to the participation of the FZI and PMI in both projects.

Following the CWG meeting, the CWG planned to enhance and refine the whitepaper on service terminology and SLAs, which is currently an ongoing activity.

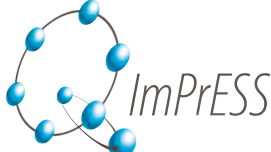
Just before the end of the reporting period, the CWG became active again and planned for next year's activities. The first things to do next year will be to finalize and publish the whitepapers and then to have a CGW face to face meeting end of February. Depending on the overall strategy for this meeting to be defined by the CWG leader, the Q-ImPRESS project could for example present the Q-ImPRESS IDE and start a discussion on this seeking additional collaboration partners. Once other projects understand the modelling at design-time based on the Q-ImPRESS IDE tooling, they might find additional options to include results of Q-ImPRESS into their activities.

In addition to the plenary meeting during the CWG on QoS and SLA, we established several direct collaborations, e.g., with members of the RESERVOIR project. These collaborations resulted in new insights and ideas, especially for additional application domains of the Q-ImPRESS tool chain and further opportunities to apply for future funding in related areas.

2.2.2 Participation in the CWG on Contribution to Standards

The collaboration working group on Contribution to Standards did not make much progress until the meeting during the “Internet of Services 2009” collaboration meeting in Brussels in June 2009. The goal for this meeting of the CWG was two-fold. The first objective was to give an overview of the activities of the participating FP6 and FP7 research projects. The second objective was to come up with a plan for further activities within the working group. Unfortunately only those projects which contribute to the “Networked European Software & Services Initiative” (NESSI) were invited to prepare presentations for the CWG meeting. Even though Q-ImPRESS is not directly contributing to NESSI, the Q-ImPRESS representatives prepared a short presentation of the project and the project goals for the participation within the CWG. Due to the time constraints of the meeting, this presentation was not held during the meeting, but instead uploaded to the European Community for Software & Software Services website. However, the presentation slides served as a starting point for the discussion about future activities of the CWG.

The discussion during the Brussels meeting focused on the expectations of the participating research projects towards the CWG and how these expectations can be met. One key point during the discussion was the selection of suitable means of communication within the working group. The CWG decided to use the bulletin board supplied by the European Community for Software & Software Services (ECSS) for further information exchange. In order to also have a “push” medium, the CWG leaders offered to set up an email distribution list. To identify future possibilities for collaboration on standards contribution, the CWG decided to create a survey about ongoing and planned standardisation activities within the CWG.

	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

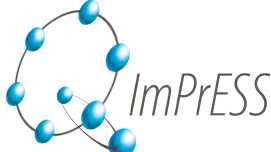
Following the CWG meeting, the activities within the working group were reduced to some interaction using the ECSS bulletin board. From the point of view of the Q-ImPrESS project, the next action points for the CWG include the exchange of information about ongoing and planned standardisation activities within the CWG as well as the exchange of contacts within relevant standardisation bodies. The Q-ImPrESS project is eager to assist the CWG in setting up a networking platform where interested parties can use the CWG to identify individual partners which intend to contribute to the same (aspect of a) standard in the future.

2.2.3 Joint Dissemination Activities

The Q-ImPrESS project organized a number of joint collaboration events, to which other SSAI&E projects have been invited to participate. In addition to these events, the Q-ImPrESS project has also joint events organized by other SSAI&E projects.

The table below gives an overview of the implemented joint dissemination activities, either organized or attended by members of the Q-ImPrESS consortium in M1-M24.

ORGANISED EVENTS			
Euromicro SEAA – Quality and SOA session			
Date:	03.09.2008	Link:	http://seaa2008.isti.cnr.it/
Responsible:	PMI	Location:	Parma, Italy
Participation:	Open to anyone (call for papers)		
Euromicro SEAA – Panel on SOA and Quality			
Date:	05.09.2008	Link:	http://seaa2008.isti.cnr.it/
Responsible:	PMI, MDU	Location:	Parma, Italy
Participation:	PLASTIC, SECSE, Q-ImPrESS		
COMPARCH – Panel on Extra-functional Contracts versus Service Level Agreements			
Date:	15.10.2008	Link:	http://comparch2008.ipd.uka.de/
Responsible:	FZI	Location:	Karlsruhe, Germany
Participation:	SLA@SOI, Q-ImPrESS		
QoSA 2008 – Quality of Software Architectures			
Date:	14.10.2008	Link:	http://qosa.ipd.uka.de/QoSA08
Responsible:	FZI	Location:	Karlsruhe, Germany
Participation:	Open to anyone (call for papers)		
QUASOSS 2009 – Quality of Service-Oriented Software Systems			
Date:	25.08.2009	Link:	http://dsrg.mff.cuni.cz/quasoss/
Responsible:	ABB, MDH, CUNI	Location:	Amsterdam, Netherlands
Participation:	SLA@SOI members in the program committee and presenting papers.		
QoSA 2009 – Quality of Software Architectures			
Date:	24.6.2009	Link:	http://qosa.ipd.kit.edu/qosa09/
Responsible:	FZI, PMI	Location:	East Stroudsbrough, PEN, USA
Participation:	Paper by members of Q-ImPrESS, Q-ImPrESS members in the Steering and Programme Committee, Prof. Reussner on panel, exchange with experts in the field		
Euromicro 2009 – Model Driven Engineering Session			

	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

Date:	27.8.2009	Link:	http://seaa2009.vtt.fi/mde/
Responsible:	PMI	Location:	Patras, Greece
Participation:	Paper by members of Q-ImPrESS, Q-ImPrESS members in the Programme Committee		
Eclipse Summit Europe 2009			
Date:	27.-29.10.2009	Link:	http://www.eclipsecon.org/summiteurope2009/
Responsible:	ITE	Location:	Ludwigsburg, Germany
Participation:	Organisation of a poster exhibition open for all interested research projects: "Eclipse Meets Research".		

ATTENDED EVENTS			
ARAMIS Workshop – Invited project paper			
Date:	16.09.2008	Link:	http://www.selab.isti.cnr.it/Aramis2008/
Responsible:	FZI	Location:	L'Aquila, Italy
Participation:	PLASTIC, SHADOWS, Q-ImPrESS		

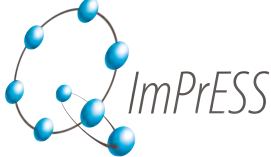
2.2.4 Other Collaboration Efforts

2.2.4.1 J-Profiler (ej-technologies)

During the reporting period, Q-ImPrESS addressed ej-technologies, a vendor of the well-known J-Profiler performance profiling tool, to raise their awareness of the Q-ImPrESS project. In order to keep up-to-date on the latest developments in the Q-ImPrESS project we decided to collaborate. In detail this means that ej-technologies provided a free volume licence of their profiler to the Q-ImPrESS consortium in exchange for regularly updates on the project's progress and a note of the collaboration on our project web site.

2.2.4.2 E-SOA Showcase

During the first reporting period, the Q-ImPrESS project had identified another ICT project, [SLA@SOI](#), which is a potential partner for collaboration on the showcase on Enterprise SOA. [SLA@SOI](#) is currently developing a complementary showcase, the Open Reference Case Study, which is also based on Enterprise SOA technologies. Representatives from both projects had met in order to determine feasible interaction scenarios for both systems in order to collaboratively create a common showcase, which can be exploited by all interested parties. Unfortunately, both projects needed to spend additional effort on other deliverables first. During the second project year, Q-ImPrESS concentrated on the development of the Q-ImPrESS tool chain, while [SLA@SOI](#) participants spent most of their effort on intra-project work. Because of these constraints, the efforts for the collaborative development of a common showcase for Enterprise SOA had to be reduced in the second reporting period. The Q-ImPrESS consortium plans to reinforce these efforts during the third project year. This gives us the advantage of also having the Q-ImPrESS tool chain ready so that we can not only create the showcases but also their models.

	D8.9: Second Collaboration Report	
	Version: 1.3	Last change: 2009-12-23

3 Conclusions

During the second reporting period, the Q-ImPrESS consortium was actively trying to get involved with collaboration activities. However, some issues which were not under control of the consortium did not quite proceed as planned, which imposed constraints on the collaboration efforts of the project. Some of our potential partners were obstructed by intra-project issues, which reduced the potential for collaboration activities. The activities of the collaboration working groups also did not reach their potential during the second half of 2009. The consortium will try to improve these activities during the third project year. As soon as a stable version of the Q-ImPrESS IDE becomes available, the consortium plans to increase the collaboration efforts, hoping to improve concrete outcomes. As a concrete step towards this goal we seek to participate in the ECs collaboration meeting in 2010 and arrange presentations of the project results as well as online demonstrations of the Q-ImPrESS IDE.