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First report and updated plan on CHOReOS collaboration (D9.9.2)

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CHOReOS

Large Scale Choreographies
for the Future Internet

ICT IP Project

Deliverable D9.9.2

First report and updated plan on
CHOReOS collaboration

<http://www.choreos.eu>

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Abstract

This deliverable is the first report and updated plan covering the liaison and co-operation activities with the EC Collaboration Working Groups and other ICT projects

Keyword list

Plan, Collaboration, Collaboration Working Groups, Report

Document History

Version	Changes	Author(s)
0.1	Initial template and content for the document	H. Vincent (THA)
1.0	Outline version	H. Vincent (THA)
2.0	Report on CB-04 Report on CB-07 Report on CB-15 Report on CB-03 & CB-13	V. Valtenbergs (SSII) R. Bartkevicius (NME) LA. Ferreira Leite (USP) C. Thomas (OW2)
3.0	PTC version	H. Vincent (THA)

Document Review

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PTC	21/10/11	A	PTC	

Glossary, acronyms & abbreviations

Item	Description
CA	Consortium Agreement
DL	Deliverable Leader
DOW	Description of Work
IAC	Industrial Advisory Committee
MST	Management Support Team
OSS	Open Source Software
PL	Project Leader
PMC	Project Management Committee
PO	Project Officer
PTC	Project Technical Committee
SL	Scientific Leader
WP	Work Package
WPL	Work Package Leader

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1. Introduction

This first report and updated plan embraces the liaison and co-operation activities of the CHOReOS project with other ICT projects under the WP2009/2010 Objective “Internet of Services, Software and Virtualisation” (“Internet of Services”, IoS, for short). The cooperation aims at exploiting synergies among the projects and increasing the impact of the ICT initiative.

This deliverable is thus a follow-up to the deliverable D9.9.1 which is warmly recommended to know beforehand.

This report covers first year’s CHOReOS collaboration activities. It will be followed by yearly deliverables, detailing the activities done and updating the plans for the next periods.

This deliverable is organized as follows:

- Section 2 reminds of the planned collaboration activities as deduced of the Deliverable D9.9.1;
- Section 3 reports on the activities performed during the first year of the project;
- Section 4 updates the collaboration activity plan.

2. Planned Collaboration Activities

CB-	What	Who		When	Comment
01	Contact PLAY about "Distributed service bus for FI" - exchange with them on how to take into account EDA and CEP	JP Lorré	EBM	Y1	See Section 3.1
02	Potential collaboration with the ACSI project includes mutual test bed for comparison between the two approaches, and still needs to be formalized	H Vincent	THA	Y2	Not started
03	Contact with ALERT's project coordinator to investigate potential for collaboration and related concrete actions	C Thomas	OW2	Y1	See Section 3.2
04	Follow SEQUOIA SA	E Ginters	SSII VIA	Y1 to Y3	See Section 3.3
05	Closely follow and participate to Service Architecture WG	H Vincent	THA	Y1 to T3	The Service Architecture WG didn't meet this year.
06		A Polini	CAMERINO		
07	Service Engineering WG: Planned collaboration includes books, articles, events and collaborative inputs to evolving standards for service engineering	D Silingas	NME	Y1 to Y3	See Section 3.4
08	Contacts with QoS and SLA WG to investigate further paths for collaboration	JP Lorré	EBM	Y1	Not started
09	Follow the FIA work in order to take opportunities	H Vincent	THA	Y1 to Y3	FIA was too late for this report. Besides, FIA work seems to be very focused on infrastructure issues.
10	Follow and exchange with Trust and Security WG in order to get some advice on the design of choreography Integrated Design and Runtime Environment	V Mihalopoulos	VTRIP	Y1 to T3	Trust and Security WG didn't meet this year. This activity is removed for a new activity with the project Aniketos
11		R Mazza	WIND		
12	Formal methods for SOA and FI WG: Planned	M Tivoli	UDA	Y1 to Y3	Not started

CB-	What	Who		When	Comment
	collaboration includes books, articles, events and collaborative inputs to evolving standards for service engineering				
13	Active participation to Best practices for OSS WG	C Thomas	OW2	Y1 to Y3	See Section 3.5
14	OSS reference for Techno Socio-Economics WG	C Thomas	OW2	Y1 to Y3	Not started
15	Common presentation with SOA4ALL - plan for future collaboration	H Vincent	THA	Y1	See Section 3.6
16	Follow the conceptual framework under development within the NESSOS Network of Excellence	A Polini	CAMERINO	Y1 to Y3	Not started

3. Report on Collaboration Activities

3.1. CB-01: Contact PLAY

Contacts have been taken with PLAY by Jean-Pierre Lorré (EBM), which is eased by the fact that EBM is also a partner in PLAY.

It has been decided that CHOReOS will ascertain interoperability of PLAY's event-base middleware with CHOReOS eXtended Service Bus (XSB).

Therefore, this action has been cancelled and a new action (CB-18) is created to register this ascertainment.

3.2. CB-03: Contact ALERT

Cedric Thomas of OW2 contacted Ljiljana Stojanovic at FZI, in May 2011, with regard to how CHOReOS could leverage the ALERT platform in its dissemination activities. While more investigation is required as to how to further the relationship, CHOReOS and Alert immediately agreed and proceeded to exchange links on their respective websites.

Therefore, this action has been cancelled and a new action (CB-19) is created to register this future exchanges.

3.3. CB-04: Follow SEQUOIA SA

Visvaldis Valtenbergs (SSII-ViA) attended the "Techo-Social Economics" session during the Internet of Services Collaborative meeting organised by the European Commission & the FP7 Hola project in Brussels (September 28th, 2011).

The aim of the session was to provide an overview on the on-going initiatives that are facing the socio economic implications of the technologies implemented for the Internet of Services (See agenda¹).

The main topics discussed were socio-economic impact assessment of research projects (SEQUOIA Project²), collective and participative online business models (SESERV Project³), service level agreements, and transformation of business models of internet service platforms (FI3P Project⁴).

The results of all three projects are relevant for:

- Socio-technical factor evaluation of the choreography based method elaborated in WP10.
- In addition, SEQUOIA project methodology could be applied for reflective self-assessment of Choreos in the middle and at the end of the project.

The SEQUOIA team presented a methodology which focuses on economic, scientific, and social impact of SaaS and IoS projects. The methodology is based on different assessment methods, but it relies heavily on self assessment via focus groups and questionnaires. It was recognized that validation of gathered data is needed by triangulating project staff assessment, user assessment, and external reviewer assessment. In addition, projects which are assessed need to be at equal stage of development, because expected outcomes can not always be clearly defined when the project is beginning.

¹ http://ec.europa.eu/information_society/events/cf/ios11/document.cfm?doc_id=18453

² http://www.sequoiaproject.eu/index.php/documents/cat_view/41-promotional-material

³ <http://www.seserv.org/>

⁴ <http://www.fi3p.eu/>

Until the end of September SEQUOIA had received the complete feedback from 17 projects (including CHOReOS) out of 45. 5 projects had provided partial feedback.

In the end of September SEQUOIA published its latest deliverables⁵ which describe methodology, provide results of documentary research, focus groups, and study of project dissemination practices. This will be followed by a simpler 'How-To Guide' (Deliverable: D3.3b) for how to apply the methodology released some time in November, 2011. This guide is intended for project teams to conduct their own self-assessment. It could also be used to guide self-assessment in the midway of our project if necessary.

SSII VIA will continue to keep in touch with Paolo Dini and Antonella Passani from SEQUOIA team and are ready to answer their information requests.

3.4. CB-07: Service Engineering WG

CHOReOS project results were presented in the Collaboration meeting for FP7 projects Internet of Services 2011 in Brussels on September 28-29 by Rokas Bartkevicius (NME).

The presentation introduced CHOReOS solution, which offers a new approach in the development and management of networked services based on the concept of choreography-centric service-oriented systems. The presentation highlighted the main project challenges such as ultra large scale Internet of the Future (number of users, diversity of services, size of data processing load, and the heterogeneity of networked systems) and a need to change development of service-oriented software process from a mostly static developer-centric to a highly dynamic user-centric one. CHOReOS addresses these challenges by proposing a dynamic model-driven development process and associated methods, tools, CHOReOS Integrated Development and Runtime Environment (IDRE) and middleware, to sustain the composition of services in the Future Internet.

For the collaboration meeting was prepared a poster⁶ representing the key ideas of the CHOReOS project. Flyers were also distributed.

Discussions were also started with some potential projects leaders (Cloud4SoA, ALERT) about collaboration points and further collaboration actions should be foreseen in the future.

3.5. CB-13: participation to Best practices for OSS WG

Cedric Thomas, of OW2, took part in the organization of the FLOSS session at the collaboration meeting in Brussels. Cedric Thomas delivered a presentation on the industry competitive advantage of open source. Based on two of his papers published on the OW2 website, his presentation analyzed the market achievement of open source and highlighted the changing nature of open source. One key idea of the presentation is that open source is evolving from a disruptive way to develop and market software, to the default industry option; from mainly following proprietary software to mainly racing with it. In this context, the Internet of the Future represents a major opportunity for open source developments.

3.6. CB-15: Common presentation with SOA4ALL

During the 3rd PTC, Maurilio Zuccalà from CEFRIEL came to speak about the SOA4ALL FP7 Call 1 project.

Some exchanges were then conducted between Maurillios Zuccalà and Fabio Kon's team (USP) to study the proposed system and use it on simple cases to better understand it.

The USP team was able to successfully develop a semantic annotated service and draw a business process using this service. However, the big gap was the last step: to deploy the

⁵ http://www.sequoiaproject.eu/index.php/documents/cat_view/43-released-deliverables

⁶ http://ec.europa.eu/information_society/events/ct/ios11/item-display.cfm?id=7357

specified service composition. Indeed, according to Maurilio “at present the creation of a deployable package is not completely automatic for new services”.

The exchange ended on this because no reuse was foreseen and the SOA4ALL project was finished.

4. Updated Collaboration Plan

CB-	What	Who		When	Comment
02	Potential collaboration with the ACSI project includes mutual test bed for comparison between the two approaches, and still needs to be formalized	H Vincent	THA	Y2	
04	Follow SEQUOIA SA	E Ginters	SSII VIA	Y1 to Y3	
05	Closely follow and participate to Service Architecture WG	H Vincent	THA	Y1 to T3	
06		A Polini	CAMERINO		
07	Service Engineering WG: Planned collaboration includes books, articles, events and collaborative inputs to evolving standards for service engineering	D Silingas	NME	Y1 to Y3	
08	Contacts with QoS and SLA WG to investigate further paths for collaboration	JP Lorré	EBM	Y1	
09	Follow the FIA work in order to take opportunities	H Vincent	THA	Y1 to Y3	
12	Formal methods for SOA and FI WG: Planned collaboration includes books, articles, events and collaborative inputs to evolving standards for service engineering	M Tivoli	UDA	Y1 to Y3	
13	Active participation to Best practices for OSS WG	C Thomas	OW2	Y1 to Y3	Keep on Y1 work
14	OSS reference for Techno Socio-Economics WG	C Thomas	OW2	Y1 to Y3	
16	Follow the conceptual framework under development within the NESSOS Network of Excellence	A Polini	CAMERINO	Y1 to Y3	
17	Exchange with Aniketos – plan for future	H VINCENT	THA	Y2	See next for a presentation of Aniketos
18	Ascertain interoperability of PLAY's event-base middleware with CHOReOS' XSB	JP LORRE	EBM	Y3	

CB-	What	Who		When	Comment
19	Investigate further relationships with ALERT	C Thomas	OW2	Y2	

Aniketos⁷ (Secure and Trustworthy Composite Services) is an ICT WP 2009-10:Objective ICT-2009.1.4 project which objectives are:

- Ensure and manage trustworthiness of interoperable and dynamically evolving services (through trust models and metrics).
- Develop an integral framework which provides methods and facilitates tool support for secure interoperable service development, composition, adaptation and management through the concept of Security Engineering.
- Define how to efficiently analyze, solve and share information on how new threats and vulnerabilities can be mitigated or how services can adapt to them.
- Promote and contribute to best practices, standards and own certification work related to security and trust.
- Demonstrate and evaluate practical use of security techniques, frameworks, patterns and tools in ordinary development of software and service with end-user trials.

Based on the above, an exchange with Aniketos has been considered as interesting since 1/ this project focuses on “interoperable service composition” as CHOReOS is in its own way, and 2/ this project deals with security concerns which are lacking in CHOReOS.

⁷ <http://www.aniketos.eu/project>