



Project DEPLOY
Grant Agreement 214158
*“Industrial deployment of advanced system engineering methods for high
productivity and dependability”*



DEPLOY Deliverable D3

Collaboration Plan

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1 Introduction

This document aims at outlining an initial plan for establishing links and organizing co-operation activities with other ICT projects under the WP2007/2008 Objective “Service and Software Architectures, Infrastructure and Engineering”.

The co-operation aims at exploiting synergies between the projects and increasing the impact of the ICT initiative. The consortium members commit to provide contributions to the following activities, if applicable:

- [A1] Exploitation of synergies / technical concertation: participation to workshops, contribution to some of the working groups.
- [A2] Joint activities for exchange, dissemination and training
- [A3] Production of dissemination material that can be used for communication towards the general public
- [A4] Co-ordination of standardisation efforts
- [A5] Contribution to repositories of reference implementations

This only covers the specific activities for collaboration with other projects. The other project WPs cover the individual project activities in some of these areas (e.g., dissemination, standardisation).

The specific plan for collaboration, including the specific working group this project will participate to is detailed in this document. It will be followed by deliverables at the end of each reporting period reporting on the activities done and updating the plans for the next period.

2 The plan

2.1 Objectives

Following the SSAI FP7 Call1 projects meeting that took place in March 2008 in Brussels, we have identified a common thematic, namely “Formal methods for Service Oriented Architecture”, bridging over DEPLOY main focus (formal methods) and “Internet Technology” mainstream that most FP7 Call1 projects adhere to.

A Discussion Group is being created, with the objective of determining how formal methods would contribute to the specification, design, development and deployment of service oriented architectures, based on potential or real error risks analysis. This analysis would rely on experience gained through non-formal developments, as well as the

reasons why some SSAI FP7 Call1 projects are making explicit use of formal methods or plan to develop a formal framework (project ALIVE for example).

“Negative” testimony/feelings (justified or not) explaining why formalities are not welcome in SOA are also expected to contribute to the analysis.

In a second time, it would be interesting to expose the results of this analysis (that we hope to be positive), to present case-studies including formalities and to explain what is the added-value of this approach. These case-studies could be issued from ongoing case-studies/pilots, or could be new ones coming from the case-studies repository Working Group. These results could be disseminated through collective workshops and “white papers”.

2.2 The next steps

This Discussion Group is being integrated into the Service Engineering Collaboration Working Group and would contribute to larger, service engineering oriented objectives.

A wiki (reachable at [http://www.deploy-project.eu/mediawiki/index.php5?title=Formal Methods for SOA and Internet of the Future](http://www.deploy-project.eu/mediawiki/index.php5?title=Formal%20Methods%20for%20SOA%20and%20Internet%20of%20the%20Future)) has been set up. It presents the Discussion Group objectives, lists the projects potentially interested in participating to the exchanges. It will host all contributions from the Discussion Group members that could be discussions, statements, case-studies, etc. Everyone is invited to register and to contribute to this wiki.

Some structure will be given to this Discussion Group:

- a teleconference will be organized beginning of August with the persons involved in the Service Engineering Collaboration Working Group. It will help to prepare a first meeting held in Vienna end of August, to define precisely the objectives of the group, consolidate an agreed action plan and prepare the concertation meeting that will be held in Brussels, 23rd and 24th of September.
- the concertation meeting will be the occasion to present the current status of the Collaboration Working Group, and collect feedback.

Following steps will be defined on the fly during the lifetime of the project and also in response to the involvement and contribution from project partners.

2.3 Contribution from DEPLOY partners

Every partner has to define how he envisages to contribute to this plan. The sections below present the current plans, that are likely to evolve during the lifetime of the project.

Partner	Contribution
Newcastle University	<ul style="list-style-type: none"> ● Took active part in the first concertation meeting in Brussels (March 4-5 2008, Brussels) ● Presentation of DEPLOY at the concertation meeting in Brussels (March 4-5, Brussels) ● Built the first DEPLOY plan for cooperation ● Will present DEPLOY at a concertation meeting on: From Components to Services to Utilities organized in the framework of the EU GridCOMP project. (October 22 2008, Sophia Antipolis) ● Organized DEPLOY participation (4 invited talks) in FMCO 2008 ● Established initial links with Q-Empress project and discussed possible cooperation on patterns for Fault Tolerance and their performance evaluation ● Lancaster University visit to talk to Diva Project members and present DEPLOY (February 2008) ● Work on creating a Working Group on Formal Methods in SOA
Aabo Akademy	<ul style="list-style-type: none"> ● Follows and will contribute to the Group Discussion
Bosch	<ul style="list-style-type: none"> ● Follows and will contribute to the Group Discussion
Cetic	<ul style="list-style-type: none"> ● Is setting up a collaboration with the GridTrust FP6 project, developing a Event-B based methodology for the refinement of security policies on next generation Grids ● Is interacting with the ITEA2 Spices project on Support for Predictable Integration of mission Critical Embedded Systems. ● Is setting up a collaboration with CE-IQS research project aiming at the quality of system engineering together with University of Louvain, Namur, Mons and a number of industries of the Walloon region potentially interested by DEPLOY results ● Will take part to the collaboration days in Brussels next September
ClearSy	<ul style="list-style-type: none"> ● Took active part in the first concertation meeting in Brussels (March 4-5, Brussels) ● Set up the wiki that host Group Discussion on formal methods and Service Oriented Architecture ● Work on creating a Working Group on Formal Methods in SOA ● Will attend the concertation meeting in Brussels (September 23-24, Brussels)
University of Zurich	<ul style="list-style-type: none"> ● Follows and will contribute to the Group Discussion

Partner	Contribution
University of Dusseldorf	<ul style="list-style-type: none"> ● Leads the new WG on FMs in SOA ● Will attend the concertation meeting in Brussels (September 23-24, Brussels) and lead the session related to the new WG on FMs in SOA ● Plan to collaborate with XtremOS FP6 project (on of the organisers of the concertation meeting in Brussels on September 23-24, Brussels) for parallelizing model checking for Event-B ● Will talk at FMCO 2008 (“Demonstrably Correct Compilation of Java Bytecode” by Michael Leuschel) ● Collaborates with Moebius FP6 project concerning compilation of Java Bytecode (one researcher from Madrid visited Düsseldorf for a week)
SAP	<ul style="list-style-type: none"> ● being one of its founding members, SAP is participating in the European NESSI initiative aiming at providing a unified outlook for Services Architectures and Software Infrastructures for European research organizations; the work of NESSI is strongly influencing the projects of the European Union's Seventh Framework Program, such as MASTER, Reservoir, SLA@SOI, and SOA4All, in which SAP is involved as a partner. ● SAP Research is continuously internally aligning approaches and case studies with other European ICT projects where SAP is involved in the context of the vision of an Internet of Services. The SAP DEPLOY team is actively taking part in these activities.
Siemens	<ul style="list-style-type: none"> ● Follows and will contribute to the Group Discussion
Space Systems Finland	<ul style="list-style-type: none"> ● Follows and will contribute to the Group Discussion
Systereel	<ul style="list-style-type: none"> ● Follows and will contribute to the Group Discussion
University of Southampton	<ul style="list-style-type: none"> ● Work on creating a Working Group on Formal Methods in SOA ● Follows and will contribute to the Group Discussion