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D9.8.2 Collaboration Plan

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Executive Summary

This document presents the updated version of the collaboration plan and its respective progress report, which outlines the plan's implementation achievements.

The goal of the present deliverable is therefore to update the first identification of initiatives and collaboration work of deliverable D9.8.1 and report the outcomes.

The collaboration plan and report results will be updated yearly always based on the initial plan. These yearly updates will modify the strategy if needed and include the progress report, encompassing the outcomes and achievements from the plan's implementation.

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Abbreviations and acronyms

DoW	Description of Work
WP	Workpackage
tbd	To be defined
SOA	Service Oriented Architecture
PPP	Public Private Partnership
SN	Social Network

1. Introduction

1.1. Purpose of the document

This document is the Collaboration Plan and Report of the LeanBigData project. It contains the update of the plan defined on previous deliverable D9.8.1 Collaboration Plan, and will allow to update the project activities, stakeholders and concertation events to further strengthen the support to LeanBigData in order to maximise its results.

Also, this document contains the report of the reached activities, mentioned on previous deliverable.

This document is the second of a series of collaboration reports, related to M12. There will be two more reports, due in M24 and M36 setting the main building blocks of the collaboration and planning this activity.

1.2. Intended audience

As a public document the target readers are the project partners, general public, especially participants in sister initiatives and related research, and the EC Officers.

1.3. Structure of the document

This document contains the first report version of the Collaboration Plan and is structured as follows. Section 1, introduces the objectives and scope of the document. Section 2 provides an overview of the collaboration plan and the different projects, initiatives and stakeholders to be taking into account. Section 3 lists the potential projects, initiatives and events identified up to now, as well as the procedures to identify new ones in the future. Section 4 reports the activities undertaken so far. Section 5 concludes the document with a summary of the objectives in terms of collaboration and future work and deliverables.

2. Collaboration Plan outline

2.1. Collaboration strategy

LeanBigData is keen to participate in a bigger picture to enhance the overall value and coherence of our RTD work, and the relevance to European and worldwide developments. In this respect, this document presents the strategy of LeanBigData towards achieving an effective collaboration with other EU projects and with other relevant activities.

The EC have already funded in FP7, and will set in motion in the scope of H2020 new Support Actions addressing e.g. best practices and standards work, technology transfer and cross-disciplinary training, research roadmaps and technology foresight, in areas especially relevant for the Objective. LeanBigData partners will undertake – when invited – to contribute to and participate in focused concertation actions, themed seminars, initiatives of interest (e.g. the future PPP on Big Data) or special interest groups (e.g. the European Data Forum).

In order to achieve a good collaboration strategy, this document aims to set a few guidelines and the initial thoughts of the project partners on the specific projects and initiatives we already want to engage with, and the way to identify and communicate with other possible future projects and initiatives.

2.2. Collaboration with other projects

In order to carry out effectively the research and development to be done in LeanBigData, our project will need to reinforce its links with other existing and new European funded projects. The collaborations established with the CumuloNimbo, CoherentPaaS and Big projects within the first 6 months of work in LeanBigData are an important milestone that the project needs to further explore and integrate with other existing and new research activities. In this regard, a strategy for liaising with them has been drafted in order to start looking for synergies.

Our main focus will be therefore to engage projects that are actually running from FP7 and H2020 and identify new projects from H2020 that are potentially important for LeanBigData.

Once identified, the strategy to contact new projects is based in the steps defined on the initial Collaboration Plan:

- Step 1: List projects, including their profile and a contact person from that project and assign a contact person from LeanBigData.
- Step 2: Initiate the contact in case a LeanBigData partner is involved or knows partners of the other project, and/or prepare an introductory email describing briefly what we want to do.
- Step 3: Prepare a detailed email describing what LeanBigData will offer to them, what we are asking from them.
- Step 4: If needed, prepare an agreement to share information and best practices.
- Step 5: Organisation of activities and tracking of the communication (to be reported in future versions of this document).

This strategy, segmented in actions, will be executed by the following partners:

Step of the strategy	Action	Partner	Deadline
Step 1	Provide updated list of projects to be contacted. Ask if they have it with contact addresses of ALL the 126 projects of the EC list.	ALL – Coordinated by ATOS	M12 (Update in new releases)
Step 1	Review the list and contact partners of LeanBigData consortium that are participating in other target projects	ALL PARTNERS	M12
Step 2	Ask to the PO for a list of Project Managers with contact emails.	UPM (as coordinator)	M14
Step 2	Get more emails by looking the contact addresses in the project websites.	ATOS	M14-M16
Step 2	Provide a mailing list facility, introduce the email addresses and launch the message.	UPM	M14-M16
Step 2	Take advantage of existing contacts between project partners to ease the process of contact. Prepare a very short email easy to read (2 paragraphs) for the very first contact. (what LeanBigData is, who we are, LeanBigData and its role in your exploitation and dissemination, Best practices...)	ATOS, UPM, ICCS (as responsible of dissemination)	M14-M16
Step 2	Act as a contact point for the first reply to projects.	ATOS, UPM	Started in M8
Step 2	Excel file to track contacts updated and success rate.	ATOS	Started in M8
Step 2	Track what is introducing on the website each project contacted, (Report to the same excel file than previous action)	ATOS, UPM	Started in M8
Step 3	Prepare a longer email for a second contact (only projects that have not replied the first time)	ATOS, UPM, ICCS (as responsible of dissemination)	Done in M6 – update in Y2
Step 4	If needed, prepare agreements with projects – (non-disclosure agreements or similar)	UPM	M13 – M15
Step 5	Register and track activities in a working document	All, ATOS coordinate	Start on M9 to the end of the project
Step 5	Review the track list and prepare synergy activities, contact projects to organize activities and detect needs for future activities	All	Start on M9 to the end of the project

Table 1: Collaboration strategy

2.3. Collaboration with existing and future initiatives

LeanBigData will seek actively the collaboration or engagement with related initiatives besides EU funded projects in the scope of FP7 or H2020. Project partners will identify potential initiatives and programmes of interest and with relation with LeanBigData tools and best practices, not limited to public funding but to private funding as well. In this sense, this task will be further elaborated under the exploitation plans.

At this stage, the new PPP (Public Private Partnership) on Big Data that launched by the EC recently is of outmost interest for LeanBigData.

2.4. Presence in collaboration events

LeanBigData partners will contribute to and participate in focused concertation actions, seminars, or special interest groups in order to enhance and enlarge the value of our RTD. In this regards the project will send representatives to concertation events when required by the EC and identify potential events of interest. The European Data Forum is a clear example where LeanBigData should be represented.

3. Identification of related projects

3.1. Existing projects

Table 1 presents the updated list of candidate projects for collaboration with LeanBigData.

Project	Description and URL	Why is important	Project Contact	LeanBigData Contact	Notes
Pheme	http://www.pheme.eu/ Detection of rumors in Social Networks	Social Networks (SN) case study shares some technology	ATOS - Tomás Pariente	Tomás Pariente	
BIG	http://www.big-project.eu/	Looking at the technology and sector roadmap for Big Data uptake in Europe.	ATOS - Tomás Pariente	Tomás Pariente	Contacted. Big ended recently, but we are following the reports to search for the applicability for LeanBigData
Cumulo Nimbo	http://cumulonimbo.eu	LeanBigData leverages the core results of CumuloNimbo on ultra-scalable transactional processing	UPM - Ricardo Jimenez	Ricardo Jimenez	
CoherentPaaS	http://coherentpaas.eu	CoherentPaaS extends the transactional processing to NoSQL technologies what can be combined with the outcome of LeanBigData dealing with the extension of analytical capabilities	UPM - Ricardo Jimenez	Ricardo Jimenez	
Cloud4BigData		Regional research programme that co-funds the research of UPM-LSD in the area of BigData and Cloud	UPM - Ricardo Jimenez	Ricardo Jimenez	
BigDataPaaS		National research project that extends LeanBigData results for its use in cloud environments	Marta Patiño UPM	Ricardo Jimenez	

Table 2: Table of candidate existing projects for collaboration

This table will serve as a basis for future contacts. The table will be extended with extra columns to report on the dates and the results of the contacts.

3.2. Future projects

Horizon 2020 is the biggest EU Research and Innovation programme ever with nearly €80 billion of funding available over 7 years (2014 to 2020), aimed at securing Europe's global competitiveness.

By coupling research and innovation, Horizon 2020 is helping to achieve this with its emphasis on excellent science, industrial leadership and tackling societal challenges. The goal is to ensure Europe produces world-class science, removes barriers to innovation and makes it easier for the public and private sectors to work together in delivering innovation.

Within H2020, especial attention will be paid to projects funded under the objectives 15 (Big data and Open Data Innovation and take-up, closed in April 2014) and 16 (Big data – research, closing in April 2015) of the work programme. Those objectives are funded by the Data Value Chain Unit of DG-Connect, the same unit behind LeanBigData. We will actively monitor - in collaboration with the EC Officers - the projects funded under these objectives and check which ones are more suitable to engage with. We will report on the findings and candidate projects in the yearly reports and follow the same approach to engage them as explained in the previous section.

3.3. Identification of existing initiatives

This section tries to identify existing initiatives where LeanBigData could potentially collaborate or follow closely.

Of especial interest is also the Big Data PPP launched by the EC. The PPP starts in 2015 and will run until 2020. The first projects are expected in 2016. LeanBigData partners will follow closely the development of the PPP and engage in the PPP activities (some of the partners such as UPM and ATOS are relevant stakeholders in the PPP launch),

Table 2 presents the updated list of initiatives that LeanBigData should follow or collaborate.

Initiative	Description	Why is important	Initiative main Contact	LeanBigData Contact	Notes
Future PPP on Big Data	PPP on Big Data technologies to be launched in 2015	LeanBigData should have a say on technologies and align to the PPP objectives	Nuria Lama de (ATOS)	Tomás Pariente (ATOS)	Potential funding opportunity for LeanBigData partners
BigDataValue	http://www.bigdatavalue.eu/	Input to the future PPP	Nuria Lama de (ATOS)	Tomás Pariente (ATOS)	
EIT ICT Labs Future Cloud	Action line from EIT ICT Labs that includes Big Data as one of the main innovation lines	Bridging the RTD results with the market			

Table 3: Table of candidate existing initiatives for collaboration

3.4. Identification of collaboration events

This section lists the existing events where LeanBigData could maximise the engagement with stakeholders, such as concertation meetings fostered by the EC or major events on the topics related to LeanBigData research.

Table 3 presents the updated list of events that LeanBigData should follow or collaborate.

Event	Description	Why is important	When and Where	LeanBigData Contact	Notes
European Data Forum	http://2015.data-forum.eu/ Main event from the Data Value Chain unit on Big Data	Essential to ensure the awareness on LeanBigData technologies and to meet other stakeholders	November 16-17, 2015 / Luxembourg	Ricardo Jimenez (UPM)	Ensure LeanBigData presence in sessions / stand
ICT Conference	Event organized by the EU every 2-3 years	Exhibit the results from LeanBigData to stakeholders	TBD	Ricardo Jimenez (UPM)	Ensure LeanBigData presence in sessions / stand
Data Value Chain InfoDays	InfoDays organized by the EC for H2020 calls	Contact with other stakeholders. Spreading the word and new funding opportunities	16 Jan. 2015	Several partners	
Strata Hadoop conferences	strataconf.com Conferences around Hadoop ecosystem organized by o'really and cloudera	Contact stakeholders of Hadoop and potential users	19-21 Nov 2014, Barcelona 17-20 Feb. 2015 San Jose CA	Ricardo Jimenez (UPM)	
Hadoop Summit	hadoopsummit.org/	Create awareness about project results among Hadoop Community. Contact stakeholders of Hadoop and potential users	15-16 April, 2015 Brussels	Ricardo Jimenez (UPM)	
Big Data Spain	www.bigdataspain.org	Create awareness about project results among Spanish companies interested in Big Data	17-18 Nov 2014, Madrid	Ricardo Jimenez (UPM)	

<p>Cloud Expo conferences (track big data/analytics)</p>	<p>www.cloudcomputingexpo.com</p>	<p>Create awareness about project results among cloud big data community</p>	<p>11-12 March 2015 Cloud Expo Europe, London 9-11 June 2015 Cloud Expo NY, New York, NY 3-5 Nov 2015 Cloud Expo Sta Clara, CA</p>	<p>Ricardo Jimenez (UPM)</p>	
<p>NoSQL matters conferences</p>	<p>https://www.nosql-matters.org</p>	<p>Create awareness about project results among NoSQL community</p>	<p>27th March 2015 Paris June 2015 Dublin 19 Sep 2015 Berlin Nov 2015 Barcelona</p>	<p>Ricardo Jimenez (UPM)</p>	

Table 4: Table of events

4. Collaboration Progress Report

4.1. Collaboration Activities accomplished

This section aims to report the collaboration activities carried out until now, related to projects, initiatives and events listed in the previous sections and also new ones.

4.1.1 Collaboration with other projects

Table 4 presents the list of projects contacted for collaboration with LeanBigData.

Project	Description and URL	Date of contact	of Project Contact	LeanBigData Contact	Results
BIG	http://big-project.eu/ Big Data Public-Private forum	EDF 2014	ATOS	Tomás Pariente	Contacted. Big ended recently, but we are following the reports to search for the applicability for LeanBigData
PHEME	http://www.pHEME.eu/ Detection of rumors in Social Networks		ATOS	Tomás Pariente	The data PHEME acquisition framework and the LeanBigData SN case study share partially the software.
CoherentPaaS	http://coherentpaas.eu		UPM – Ricardo Jimenez	Ricardo Jimenez	Full integration of core components will be performed between both projects
Cumulo Nimbo	http://cumulonimbo.eu	LeanBigData leverages the core results of CumuloNimbo on ultra-scalable transactional processing	UPM – Ricardo Jimenez	Ricardo Jimenez	LeanBigData is taking core results from CumuloNimbo and improving their efficiency in scaling, making them “lean”
Cloud4BigData		Regional research programme that co-funds the research of UPM-LSD in the area of BigData and Cloud	UPM – Ricardo Jimenez	Ricardo Jimenez	

BigDataPaaS		National research project that extends LeanBigData results for its use in cloud environments	Marta Patiño UPM	Ricardo Jimenez	
CityPulse	Large-scale data processing, integration and analytics for Smart City Application.	September 2014	ATOS	Tomás Pariente	Possible BenchMark for the project results. CityPulse is developing SN analytics using a common framework

Table 4: Table of projects contacted for collaboration

4.1.2 Collaboration with events

Table 6 presents the list of events where LeanBigData collaborated or followed.

Event	Description	Why is important	When and Where	LeanBigData Contact	Results
European Data Forum	http://2015.data-forum.eu/ Main event from the Data Value Chain unit on Big Data	Essential to ensure the awareness on LeanBigData technologies and to meet other stakeholders	TBA / Luxembourg	Ricardo Jimenez (UPM)	Ensure LeanBigData presence in sessions / stand
ICT Conference	Event organized by the EU every 2-3 years	Exhibit the results from LeanBigData to stakeholders	TBD	Ricardo Jimenez (UPM)	Ensure LeanBigData presence in sessions / stand

Table 6: Table of events where LeanBigData collaborated or followed

4.2. Commercial collaboration between partners

Table 7 presents the list of commercial collaboration between partners.

Partners	Description	Contacts	Results
LeanXcale(UPM) and Atos	ATOS providing sales support to LeanXcale	Tomás Pariente (ATOS) and Ricardo Jiménez (UPM)	Agreements signed between LeanXcale and ATOS. First business opportunities explored in the financial domain,

UPM and LeanXcale	UPM is making a technology transfer contract to LeanXcale transferring the exploitation rights of the patent on ultra-scalable transactional processing. Part of the team at UPM will move to LeanXcale		Creation of LeanXcale.
INESC and LeanXcale	INESC will be transferring technology via a technology transfer contract to LeanXcale. Part of the team at INESC will move to LeanXcale		Contribution to LeanXcale

Table 7: Table of commercial collaboration between partners.

5. Conclusion

This document presents the collaboration plan and report of LeanBigData first year. It aims to update the previous Collaboration Plan, reporting the collaborations done during this first year of the project, detailing if these collaborations are related with projects, initiatives or events. Also, on this deliverable are reported the commercial collaborations conducted between partners.

The strategy thought for the collaborations on the second year remains the same as the first one, following the same line to detect current and future projects related with LeanBigData in order to identify potential synergies. Therefore the strategy to contact identified projects, and the well defined steps to promote effective collaborations are the same as defined on D9.8.1 Collaboration Plan.

As stated on previous documents, collaboration is an ongoing task across the project, and the collaboration deliverables may be updated including more related information as needed.