

**BIG DATA VALUE**  
eCOSYSTEM

## **D3.17 Governance and coordination structure of BDV PPP implementation**

Workpackage	WP3 - ECOSYSTEM. Community building and engagement
Editor(s):	Andreas Metzger (UDE)
Responsible Partner:	UDE
Contributors	ATOS, INSIGHT, SAP & BDVA Collaboration Charter Group Members: intel (Lead), Adaptant, Ascora, ATOS, Engineering, Huawei, IBM, INSIGHT, ITI, Philips, SAP, SIRRIS, TIM, Tilde, UDE
Internal Reviewer	Answare, BDVA
Status-Version:	Final – v1.0
Due to	M03
Submission Date:	17/04/2017
EC Distribution:	R, PU
Abstract:	This deliverable reports on the outcomes of the BDVe task T3.6 “Governance and coordination structure of BDV PPP projects” at month 3 of the project.



### History

---

Version	Date	Modifications Introduced	
		Modification Reason	Modified by
V0.8	06/04/2017	1 <sup>st</sup> complete draft, consolidating information about governance	UDE
V0.9	13/04/2017	Final version incorporating reviewer comments and further updates	UDE
V1.0	17/04/2017	Quality Review	ATOS
FINAL	17/04/2017	Final version ready for submission.	

## Contents

---

<b>1</b>	<b>INTRODUCTION .....</b>	<b>8</b>
<b>2</b>	<b>PPP GOVERNANCE STRUCTURE .....</b>	<b>8</b>
2.1	OVERVIEW.....	8
2.2	BIG DATA VALUE PPP COOPERATION CHARTER.....	9
<b>3</b>	<b>PPP COMMITTEES.....</b>	<b>11</b>
3.1	STEERING COMMITTEE TERMS OF REFERENCE.....	11
3.2	TECHNICAL COMMITTEE TERMS OF REFERENCE .....	12
<b>4</b>	<b>CONCLUSION .....</b>	<b>14</b>

## List of Figures

---

FIGURE 1. PPP GOVERNANCE STRUCTURE – HIGH-LEVEL VIEW.....	9
FIGURE 2. BIG DATA VALUE REFERENCE MODEL .....	13

## List of Tables

---

TABLE 1: DEFINITIONS, ACRONYMS AND ABBREVIATIONS ..... 6

## Definitions, Acronyms and Abbreviations

---

Acronym	Title
BDVA	Big Data Value Association
CA	Consortium Agreement
DSG	BDVA Deputy Secretary General
GA	Grant Agreement
KPI	Key Performance Indicator
PPP	Public-Private Partnership
SC	Big Data Value Steering Committee
SG	BDVA Secretary General
SME	Small & Medium Enterprise
T	Task
TC	Big Data Value Technical Committee
ToR	Terms of Reference
VP	BDVA Vice President

**Table 1: Definitions, Acronyms and Abbreviations**

## Executive Summary

---

This deliverable reports on the outcomes of the BDVe task T3.6 “Governance and coordination structure of BDV PPP projects”. On the one hand, it describes the concrete governance model prepared by BDVe jointly with BDVA and delivered at the beginning of the PPP to provide the framework for collaboration and alignment among all members of the PPP (EC, funded projects, and the BDVA). On the other hand, it describes the terms of reference and objectives of the main cooperation bodies, the PPP Steering Committee and the PPP Technical Committee where all projects are represented.

# 1 Introduction

This deliverable reports on the outcomes of the BDVe task T3.6 “Governance and coordination structure of BDV PPP projects”. Task T3.6 pursues two main activities:

- A concrete **governance structure** is prepared and delivered at the beginning of the PPP to provide the framework for collaboration and alignment among all members of the PPP (EC, funded projects, and the BDVA). This is elaborated in Section 2.
- The coordination of the PPP implementation will be facilitated by **setting up the PPP Steering Committee and the PPP Technical Committee** where all projects will be represented. The main objective will be to ensure awareness and foster exchange about the achievements and outcomes produced by the projects. Periodic meetings will guarantee the identification of synergies between the projects and therefore improve the overall quality of the actions and strengthen the outcomes of the PPP. This is elaborated in Section 3.

## 2 PPP Governance Structure

The elaboration and shaping of the PPP governance structure has started even before the BDVe project officially started. This was done in order to ensure that a governance structure is available from day 1 of the start of the PPP projects. To this end, a dedicated group of BDVA members were tasked with defining the Big Data Value PPP Collaboration Charter. The aim of the charter is to ensure the commitment of PPP projects to contribute to overall PPP cooperation. The final version of the charter was approved by the BDVA Board of Directors on September 2016 and was presented to the European Commission (EC) for communication to the project coordinators of retained PPP proposals.

### 2.1 Overview

The governance structure, and thus also the charter, defines two main cooperation bodies: the PPP Steering Committee and the PPP Technical Committee. These committees are linked with relevant bodies and activities of the BDVA. In particular, outcomes of committee meetings will feed into the BDV PPP Partnership Board and the BDVA Board of Directors meetings, and Committees may involve members of dedicated BDVA Task Forces for specific expertise. Figure 1 illustrates the high-level view of the PPP governance structure.

### D3.17 Governance and coordination structure of BDV PPP implementation

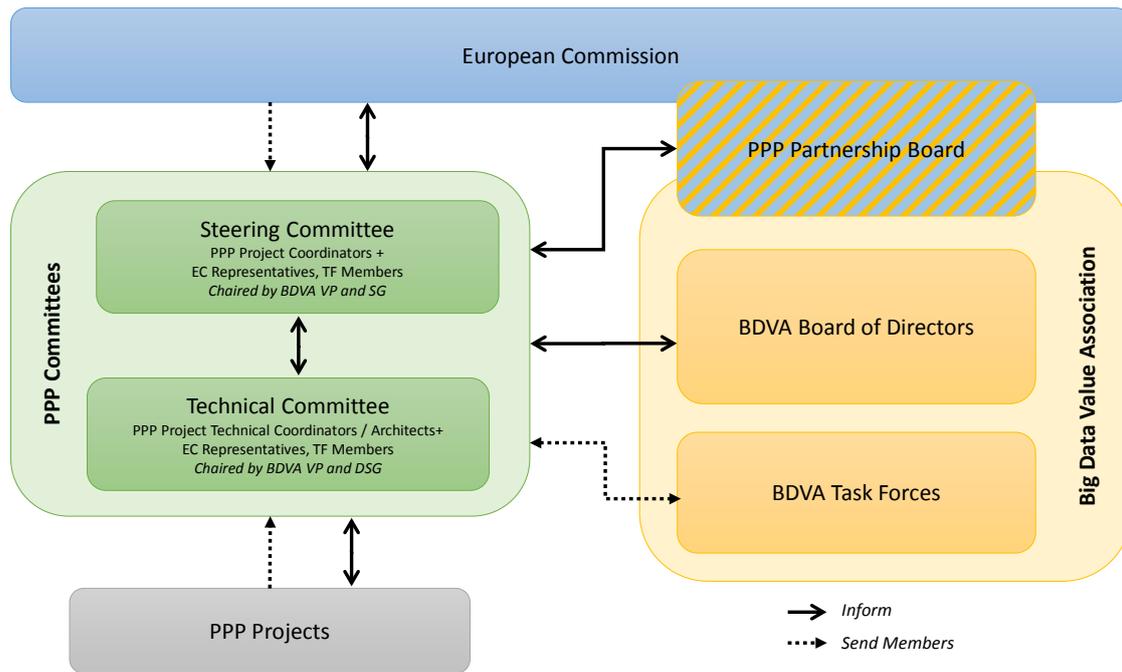


Figure 1. PPP Governance Structure – High-level View

## 2.2 Big Data Value PPP Cooperation Charter

Below we provide the original text of the PPP Collaboration Charter. The charter has been signed by all PPP projects – either as part of their Grant Agreement (GA) or Consortium Agreement (CA) –, thereby ensuring their contribution and alignment with the PPP governance structure.

**OBJECTIVE** The purpose of the call under which [NAME OF ACTION] is funded is to implement the contractual Public-Private Partnership "Big Data Value" (Big Data Value PPP). Building upon the obligations of [NAME OF ACTION]'s Grant Agreement and the overall goals and strategic research agenda of the BDV PPP, [NAME OF ACTION] confirms its ambitions to contribute to BDV PPP activities, awareness raising and communication, contributing in particular to facilitating fulfilling the objectives and obligations expressed in the Contractual Arrangement related to the BDV PPP, and which are detailed in the BDVA Strategic Research and Innovation Agenda (SRIA); actively participating in the collaboration among BDV PPP funded projects regarding how [NAME OF ACTION] outcomes and activities could benefit and support the objectives of other BDV PPP projects.

**COORDINATION** The key principles for coordination are: on the one hand, support the goals of openness, transparency and representativeness and, on the other hand, ensure efficient cooperation with minimized overhead, and a collaborative approach by respecting the legitimate interests of all parties, which excludes top-down

### D3.17 Governance and coordination structure of BDV PPP implementation

decision making by a small number of organisations on behalf of others. The coordination of the BDV PPP will be aided by two main bodies: The BDV PPP Steering Committee and the BDV PPP Technical Committee, where all Big Data Value projects (i.e. those resulting from the H2020 ICT LEIT work programme topics ICT-14, ICT-15, ICT-16, ICT-17 and ICT-18<sup>1</sup>) will be represented to ensure awareness and foster exchange about the achievements and outcomes produced by the BDV PPP projects. Commitment to attend periodic meetings will guarantee the identification of synergies between the BDV PPP projects and, therefore improve, the overall quality of all BDV PPP projects and thus strengthen the outcomes of the BDV PPP. The coordination structure will be as lightweight as possible to reduce overhead, with the forthcoming BDV PPP Coordination and Support Action (CSA) supporting the process, including organisation of meetings. It is expected that both Committees will meet appropriately four times per year, using a combination of face-to-face and virtual meetings, and where practical collocated to coincide with events associated with the BDV PPP (such as the European Data Forum and the BDVA Summit). These two Committees will complement existing bodies, such as the BDV Partnership Board in particular.

**BDV PPP STEERING COMMITTEE (SC)** The SC provides executive-level steering and advise to the BDV PPP, and ensures the effective and efficient collaboration between the BDV PPP projects to ensure a global consistency of the programme, for sharing information across the programme and for reviewing the progress made by each activity and the programme, for initiating activities at programme level, and for detecting potential risks. The SC will comprise the Coordinator of each BDV PPP Action, a representative of the Big Data Value Association (BDVA), and a representative of the European Commission as observer. The SC will be chaired by a representative from the BDV PPP CSA. The SC will be created as soon as practically possible following establishment of the forthcoming BDV PPP CSA. The SC will, as soon as reasonably practical from the date of its establishment, agree upon an internal regulation, dealing with its internal organization and procedures.

**BDV PPP TECHNICAL COMMITTEE (TC)** The TC will facilitate knowledge exchange and collaboration on the technical aspects and implementation of the BDV PPP programme, with the aim of discussing common technical concerns, such as data integration, data quality, or data homogenization. Additionally, it will foster the timely sharing about relevant results and how to access them, such as i-Spaces offering data assets or R&I projects offering recent technology prototypes and tools. The TC thus will serve to discuss technical complementarities and facilitate knowledge exchange across BDV PPP projects. The TC will also help identifying possible gaps that may be included in later versions of the Big Data Value Association (BDVA) SRIA. The TC will comprise the Technical Manager of each BDV PPP Action (such as technical coordinator or chief architect), a representative of the Big Data Value Association (BDVA), and a representative of the European Commission as

---

<sup>1</sup> And for practical reasons will also include the BDV „sister“ project from call ICT-35

### D3.17 Governance and coordination structure of BDV PPP implementation

observer. The TC will be chaired by a representative from BDVe, the Big Data Value PPP Coordination Support Action (CSA). Representatives of the BDVA Task Forces (in particular TF6: Technical) may be invited on a need basis. The TC will be created as soon as practically possible following establishment of the forthcoming BDV PPP CSA. The TC will, as soon as reasonably practical, agree upon an internal regulation, dealing with its internal organization and procedures.

**EXPECTED FORMS OF COOPERATION AND BENEFITS** The expected forms of cooperation and benefits of supporting this charter include: cooperation between individual BDV PPP projects and joint events to promote results of the BDV PPP projects; e.g., seeking coordination opportunities regarding dissemination and awareness raising activities with other BDV PPP projects, to achieve greater impact and visibility; fostering exchange of general insights, learnings and activities across BDV PPP projects, such as generating recommendations on collaboration and synchronisation of activities, including but not limited to management of outcomes, common approaches towards standardisation, SME involvement, links with regulatory and policy activities; supporting BDV PPP outreach and dissemination activities by, for instance, using the BDV PPP brand/logo in dissemination material, presenting Action results at BDV PPP and related national, regional and EC events, including active support of community building events, such as the European Data Forum (EDF) and the BDVA Summit; sharing, through its Coordinator, relevant information for annual BDV PPP Monitoring Reports, including providing Key Performance Indicator (KPI) data in particular on additional beneficiary investments to leverage the EC investment.

## 3 PPP Committees

As explained above, the two key bodies introduced by the PPP cooperation charter are the Steering Committee and the Technical Committee. The sections below provide more details on the aims and ambitions of these two committees. The terms of reference expressed below have also been shared with project coordinators and further extension and refinement of the bodies' objectives is encouraged.

At the time of writing, the inaugural meeting of the Steering Committee has taken place on March, 13 in Brussels. The inaugural meeting of the Technical Committee is planned for May, 10 in Brussels (collocated with BDVA meetings, in particular the BDVA Board of Directors and BDVA Activity Group).

### 3.1 Steering Committee Terms of Reference

The SC provides executive-level steering and advice to ensure effective and efficient coordination and communication between the BIG DATA VALUE PPP actions.

The objectives of the SC include:

- Sharing information across the programme and for reviewing the progress made by each activity and the programme;

### D3.17 Governance and coordination structure of BDV PPP implementation

- Detecting and avoiding overlaps of activities;
- Contributing to detecting potential risks on the programme level;
- Identify and plan contributions to joint events (such as the EDF and the BDVA Summit) to promote results of the BIG DATA VALUE PPP actions;
- Seeking coordination opportunities regarding dissemination and awareness raising activities with other BIG DATA VALUE PPP actions, to achieve greater impact and visibility;
- Fostering exchange of general insights, learnings and activities across BIG DATA VALUE PPP actions (in alignment and support of the BDVA Task Forces), such as generating recommendations on cooperation and synchronisation of activities, including but not limited to management of outcomes, SME involvement, links with regulatory and policy activities;
- Sharing relevant information and methodologies for annual BIG DATA VALUE PPP Monitoring Reports, including providing key performance indicator (KPI) data in particular on additional beneficiary investments to leverage the EC investment.

The SC will comprise the Coordinator of each BIG DATA VALUE PPP action (coordinators of completed actions may be invited as guests at discretion of the SC Chair).

The SC will be co-chaired by BDVA Vice-President (Thomas Hahn, SIEMENS) and the BDVA Secretary General (Ana Garcia).

Representatives of the European Commission may join as observers. Representatives of relevant BDVA Task Forces (such as TF2: Impact, TF3: Community, TF4: Communication, or TF8: Business) may be invited on a need basis.

The SC will have up to two physical meetings per year, and at least two virtual meetings per year. Where practical, physical meetings will be collocated to coincide with events associated with the BIG DATA VALUE PPP (such as the European Data Forum, the BDVA Summit, or the BDVA Board or Activity Group meetings).

## 3.2 Technical Committee Terms of Reference

The TC facilitates knowledge exchange and cooperation on the technical aspects, methodology and implementation of the BIG DATA VALUE PPP programme.

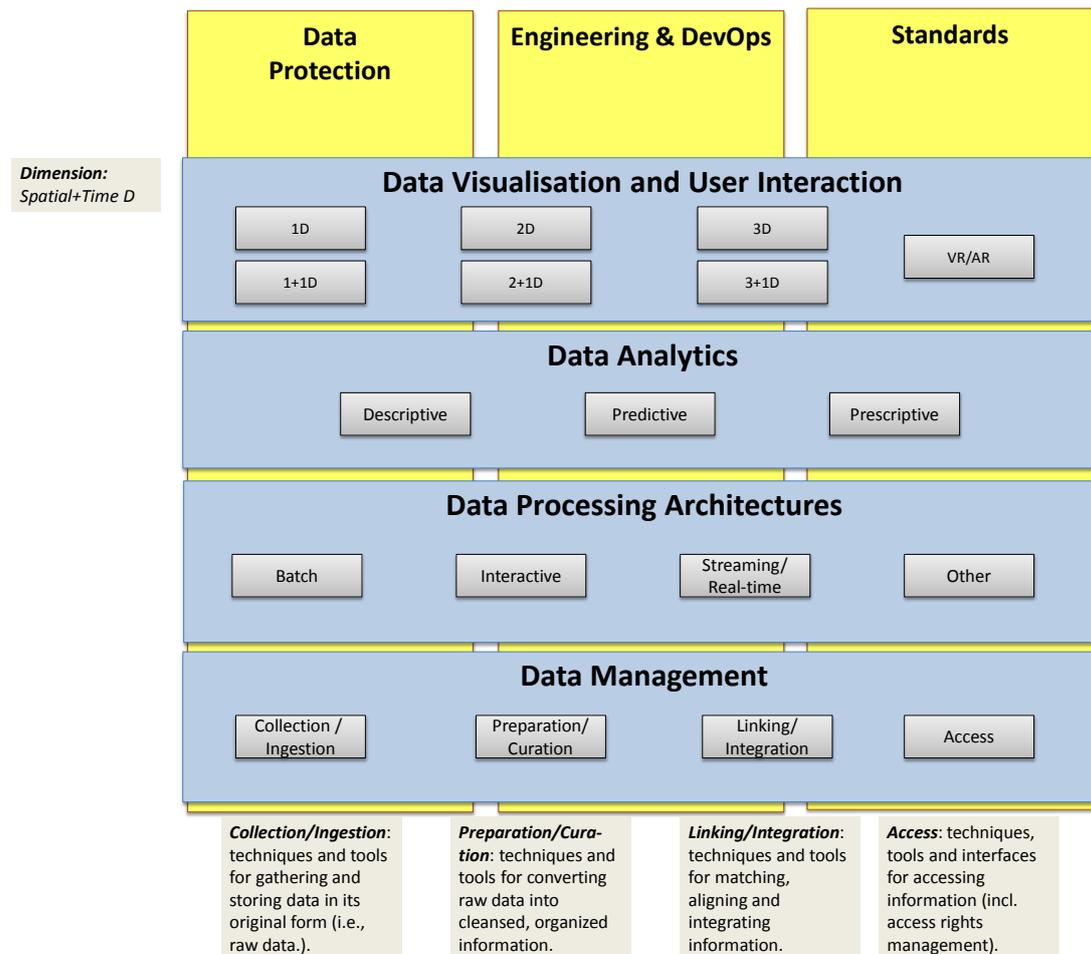
The objectives of the TC include:

- Discussion of common technical concerns, such as data integration, data quality, or data homogenization;
- Fostering timely sharing of information about relevant results and how to access them, such as i-Spaces offering data assets or R&I actions offering recent technology prototypes and tools;
- Identifying and leveraging technical complementarities and facilitate knowledge exchange across BIG DATA VALUE PPP actions in alignment with the respective subgroups of BDVA Task Force TF6 (“Technical”);

### D3.17 Governance and coordination structure of BDV PPP implementation

- Identifying common needs and opportunities for standardisation and interoperability of technical solutions;
- Detecting possible gaps that may be included in the Big Data Value Association (BDVA) Strategic Research and Innovation Agenda (SRIA).

The technical coordination will be facilitated by the Big Data Value Reference Model (shown in Figure 2). The Big Data Value Reference Model has been developed by the BDVA<sup>2</sup> and may serve as common reference framework to locate Big Data technologies on the overall IT stack. It addresses the main concerns and aspects for big data systems.



**Figure 2. Big Data Value Reference Model**

The TC will comprise a technical representative of each BIG DATA VALUE PPP action. This technical representative should have a good overall understanding of the technologies used and developed in the action. Typical project roles that would be ideal representatives for the TC are thus technical or scientific coordinators, as well as technical / chief architects.

The TC will be co-chaired by BDVA Deputy Secretary General (Andreas Metzger, paluno) and BDVA Vice-President (Ed Curry, INSIGHT).

<sup>2</sup> In particular by Task Force TF6 „Technical“ led by SINTEF

### D3.17 Governance and coordination structure of BDV PPP implementation

Representatives of the European Commission may join as observers. Representatives of relevant BDVA Task Forces (in particular TF6: Technical and TF7: Applications) may be invited on a need basis.

The TC will have up to two physical meetings per year, and at least two virtual meetings per year. Where practical, physical meetings will be collocated to coincide with events associated with the BIG DATA VALUE PPP (such as the European Data Forum, the BDVA Summit, or the BDVA Board or Activity Group meetings).

## 4 Conclusion

Based on experience of previous programmes, the BDVe jointly with the BDVA has set up a lightweight yet effective governance model for the Big Data Value PPP. The model will facilitate strong cooperation among all PPP members, facilitating knowledge exchange at strategic and technical level, as well as ensuring a coherent communication strategy of all PPP projects. During the course of the PPP, this model may evolve in order to take into account the specific lessons learned and insights of the PPP community.