

BIG DATA EUROPE

Support Action

## Big Data Europe – Empowering Communities with Data Technologies

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### Deliverable 2.3:

## Report on Community Building Activities I

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**Abstract:** This deliverable presents a report on the overall community activities carried out in 2015, providing descriptions and statistics on all the different ways in which the consortium approached stakeholders in view of the community building targets.

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# Executive Summary

In this deliverable we outline the Community Building efforts, corresponding to the first 12 months of the project, following the strategy outlined in Deliverable 2.1: Community Building, Coordination and Planning. The activities carried out in 2015 are categorised under two sections, each of which provides information and statistics that give an indication of the extending network and communities for each of the seven societal challenge domains.



## Abbreviations and Acronyms

<b>SC</b>	Societal Challenge
<b>EC</b>	European Commission
<b>RE</b>	Requirement Elicitation
<b>RS</b>	Requirement Specification
<b>WP</b>	Work Package



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# 1. Introduction

In the first year of the project, the BDE WP2 working group focussed its activities on the creation and expansion of communities aligned with the seven societal challenges. These activities were respectively led by the identified consortium members, driven by the coordinating partner. The BDE societal domain lead partners (following the addition of two consortium members, VU and AgroKnow) are included in Table 1 below.

The above partners were identified as key umbrella organisations in their respective domain. Aside from organising workshops, conferences and other events in the first year, they were all tasked with identifying and engaging stakeholders as a base for the seven BDE domain-oriented communities. The community building activities carried out can be classified as follows:

- Networking at events, identifying stakeholders and inviting them to become BDE stakeholders.
- Setup and Maintenance of seven W3C interest groups dedicated to the seven communities.
- Increasing stakeholder engagement level through interviews, surveys, pilot invitation, etc..
- Promotion of yearly workshops and networking with participants to extend the community.
- Promotion of monthly webinars (technical) and hangouts (domain-oriented, informational) and inviting participants to join W3C interest groups and follow .

Specific information about these activities is included in the rest of this deliverable.

**Table 1: Technical and domain leads for each of the seven societal challenge areas (Month 12)**

Societal Challenge	Chairs (Technical, Domain)
<b>Healthcare</b>	<i>Leading partner: Open PHACTS</i>
Technical	Victor de Boer (VU)
Domain	Bryn Williams-Jones (Open PHACTS)
<b>Food &amp; Agriculture</b>	<i>Leading partner: FAO</i>
Technical	Timea Turdean (SWC) & Nikos Manouselis (Agro-Know)
Domain	Valeria Pesce (FAO/GFAR)
<b>Energy</b>	<i>Leading partner: CRES and NCSR-D</i>
Technical	Andreas Ikonopoulos (NCSR-D)
Domain	Fragiskos Mouzakis (CRES)
<b>Intelligent Transport</b>	<i>Leading partner: Fraunhofer , entity to be subcontracted</i>
Technical	Simon Scerri (Fraunhofer)
Domain	Maxime Flament (ERTICO)
<b>Climate &amp; Environment</b>	<i>Leading partner: NCSR-D</i>
Technical	Spyros Andronopoulos (NCSR-D)
Domain	Diamando Vlachogiannis (NCSR-D)
<b>Inclusive &amp; Reflective Societies</b>	<i>Leading partner: CESSDA</i>



Technical	Martin Kaltenböck (SWC) & Simon Scerri (Fraunhofer)
Domain	Ivana Ilijasic Versic (CESSDA)
<b>Secure Societies</b>	<i>Leading partner: EU SatCen</i>
Technical	Manolis Koubarakis & George Papadakis (UoA)
Domain	Sergio Albani (EU SatCen)

## 2. BDE Stakeholder Invitations

The stakeholder identification exercise followed the four-step guidelines presented in Deliverable 2.1 (Community Building, Coordination and Planning): Initial Identification, Analysis, Mapping and Prioritisation.

The identification stage sought different channels, the partners' existing networks, European Commission contacts (especially via the Project Officer) to relevant Organisational Units and public list of funded projects (especially other CSAs in ICT-15), dissemination plans published by related projects (to extract related forthcoming networking events), existing lists created by related projects and initiatives, national and European-wide information days (and their publicly-available attendee lists as well as various well-known umbrella organisations such as national funding agencies, European Innovation Partnerships and/or national and European-wide associations).

### 2.1 Stakeholder Classification

The analysis, mapping and prioritisation stages identified the stakeholder's potential (influence level, relevance), the most relevant role for each stakeholder (based on their mapping to the objectives) and their most ideal engagement level (Communication, Contribution or Involvement). The results are recorded in sheets (retained privately by each SC domain representative but accessible by the project coordinator for recording purposes, and by the Project Office for progress monitoring) that included the following information:

- **Sub-domain** (e.g. for the Transport domain: Land, Aviation, Maritime, etc.)
- **Status** (to differ between stakeholders who were invited and those who registered)
- **Organization**
- **Country**
- **Contact Person** (the main contact)
- **Contact Details** (including email address and other contact info. available)
- **Role** (the main contact's role in the organisation)
- **Type** (based on one of the stakeholder categories defined in D2.1, Section 3.1)
  - **Startups/SMEs**
  - **Industry** (large corporations/companies)
  - **Public Administration/Policy** (Governmental agencies, Intra-governmental networks, policy makers)
  - **EC Representatives** (Directorate Generals, Units, EU Entities)
  - **Academia** (Universities, Research Associations, Centres and Institutions)
  - **Networking/Association/Initiatives** (Networking/Lobbying Groups, Industrial Associations, Societal Initiatives)
  - **Projects** (Running FP7/H2020 projects)
  - **International Organisations**
- **Engagement Level** (based on the multi-level engagement categories defined in D2.1, Section 4.2)
- **Observers** (Stakeholders with a general, non-committal but confirmed interest in the project's contributions)





- **Followers** (Stakeholders that subscribe to notifications, activities and publications by the consortium)
- **Endorsers** (Stakeholders that forward project contributions, notifications, activities and publications amongst their extended networks)
- **Contributors** (Stakeholders that attend project activities, contribute to discussions, problem identification, requirements elicitation)
- **Owners** (Stakeholders that are involved in the projects activities, including participating in pilots, prototype trials and who provide continuous feedback)
- **Leaders** (*Only BDE Reps are the leaders for their SC, so this does not apply to stakeholders*)
- **Contact via Partner** (to record which consortium member has direct contact)
- **Additional Notes**  
 Of the above, the engagement level is particular since in contrast to the other information, which is expected to remain rather stable throughout the project's progress, it is dynamically changed to reflect the identification of stakeholders with increasing and/or decreasing level of engagement. By default, all stakeholders start as 'observers', but depending on their engagement/feedback/participation in project events, they are promoted (or demoted) to another level. The highest engagement level is reserved for the pilot stakeholders and others with a high impact on project results.

## 2.2 Stakeholder Invitation

After the stakeholders were identified, described and classified, they were invited to engage with the project in a number of ways. An invitation letter template, which was also customised for all SC domains, was included in D2.1, Appendix A. Besides giving an overview of the project and suggesting further circulation within the network, the letter encouraged potential stakeholders to subscriber and/or participate in the following activities:

- Subscribe to the BigDataEurope [Newsletter](#)
- Join one of the [W3C Community Groups](#) (activities here are described in the next section)
- Participate in the planned key Stakeholder Workshops
- Submit candidacy for one of the BigData Pilots
- Follow project progress on the Social Media ([Twitter](#), [LinkedIn](#), [SlideShare](#), [Flickr](#))

## 2.3 Community Building Progress

The table below summarizes the amount of stakeholders contacted (and the total count initially targeted in D2.1). The total at Month 12 stands at 1021 (51% of the targeted 2020).

**Table 2: Stakeholder Count (Month 12) and Target Count (Month 36)**

Societal Challenge		HEALTH	FOOD	ENERGY	TRANSPORT	CLIMATE	SOCIETIES	SECURITY	MISC.
Stakeholders M12 (Target M36)		155 (360)	141 (290)	147(270)	237 (345)	146 (275)	108 (235)	121 (245)	90
Progress (w.r.t Target)		44%	49%	44%	69%	53%	46%	49%	
B Y T Y P E	SMEs	15	1	15	9	12	2	15	2
	Industry	17	1	14	81	-	2	6	15
	Public Admin./Policy Groups	1	8	8	24	2	10	2	3



	EC/EU Entities	40	70	24	11	22	13	60	4
	Academia	51	35	10	45	48	44	5	7
	Networking/Associations/Initiatives	8	5	26	8	8	-	4	4
	Running Project	9	2	18	2	-	-	-	3
	Organisation	11	6	8	2	54	31	8	1
BY ENGAGEMENT	Observers	140	115	125	53	133	5	27	90
	Followers	11	1	-	2	-	5	2	n/a
	Endorsers	4	-	2	3	-	16	43	n/a
	Contributors	2	26	17	163	13	51	25	n/a
	Owners	1	1	3	16	2	7	2	n/a

## 3. Community Building Tools & Initiatives

### 3.1 W3C Community Groups

A W3C Community Group has been set up for each of the 7 Societal Challenges. The groups' entry pages are:

1. SC1: <https://www.w3.org/community/bde-health/>
2. SC2: <https://www.w3.org/community/bde-food/>
3. SC3: <https://www.w3.org/community/bde-energy/>
4. SC4: <https://www.w3.org/community/bde-transport/>
5. SC5: <https://www.w3.org/community/bde-climate/>
6. SC6: <https://www.w3.org/community/bde-societies/>
7. SC7: <https://www.w3.org/community/bde-secure-societies/>

Although it was originally envisaged to drive each community's activities through these seven groups, they have not attracted a sufficient amount of attention. As detailed in Deliverable 7.3 (Annual Dissemination Report M12), their role will remain primarily as a platform for technical discussions that are more suited to the W3C Community at large. Dissemination and community activities will instead be primarily coordinated using the stakeholder mailing lists external to W3C, although invitations and material will also be relayed to these seven groups.

### 3.2 Networking efforts at 2015 BDE Workshops

A major driver of the community building activities in 2015 lay with the promotion of the 7 yearly workshops and the networking that ensued. The decision to include interactive sessions as part of each workshop was a positive experience which resulted in the participants feeling more active in contributing



to the project (year 1, requirements elicitation stage), thus increasing their engagement level from observers to followers.

Stakeholders attending one SC-oriented workshop were not necessarily only interested in one SC domain, and cross-SC networking with the view of community enlargement also took place between workshop organisers. More information about the Workshops has been provided in Deliverables 2.2 (Report on Interest Groups Workshops I) and 2.5 (Report on Interest Groups Workshops II).

### 3.3 Engagement through Online Hangouts

In 2015, the consortium and in particular Work Package 2 members organised a total of 8 Hangouts. These were promoted through the seven SC communities (mailing lists, W3C groups, website & consortium member channels), and attendees were given the opportunity to ask questions and engage with the domain leads. In addition, the BDE SC domain and technical leaders gave valuable information about the scope and plans of the project, in a bid to attract higher level of engagement. Most of the stakeholders behind the seven chosen SC pilot partners have participated in these hangouts to acquire more information about the project, before the BDE consortium approached them to take on that role.

The hangouts, which in some cases have also been recorded and are publicly available online, were all designed based on the blueprint provided in Deliverable 2.1 (Community Building, Coordination and Planning), being planned over an hour and being mostly of an introductory nature, although it was ensured that they were essentially not a repeat of the physical workshops. Information about the individual hangouts (including links to their reports) is provided in the table below.

Note: since in the first 12 months of the project there was not yet a sufficient amount of technically-oriented material to disseminate, all of the 8 online events were classified as **Hangouts**, as opposed to **Webinars** which (starting 2016) will be more technically-oriented and focus less about BDE and project progress and more on providing insights and how-to training for state-of-the-art Big Data technology (contributed both by BDE and externally). Although the WP2 team agreed to the above distinction, this was not always adhered to when promoting the events (especially when co-organising a Webinar with external collaborators, e.g. in SC2). Thus, although the below events were often described as a Webinar, we still label them as BDE Hangouts.

**Table 3: Online events organised in 2016**

SC	Type	Title	More information	Participants
SC1.H1	Hangout	Update on the challenge of Health, Demographic Change and Wellbeing	<a href="#">Event Description</a> <a href="#">Report</a>	9
SC2.H1	Hangout	INRA's Big Data Perspectives and Implementation Challenges (In cooperation with AIMS)	<a href="#">Event Description</a> No Report Available	11
SC2.H2	Hangout	Second online hangout on big data in food and agriculture; featuring Rob Lokers from Alterra (In cooperation with AIMS)	<a href="#">Event Description</a> No Report Available	12
SC3.H1	Hangout	Big Data in the energy domain	<a href="#">Event Description</a> No Report Available	37
SC4.H1	Hangout	Introducing the challenge of Smart, Green and Integrated Transport	<a href="#">Event Description</a> <a href="#">Report</a>	80+
SC4.H2	Hangout	Big Data for Transport Webinar	<a href="#">Event Description</a>	60+



		“What we learned so far”	<a href="#">Report</a>	
SC5.H1	Hangout	Big Data in the Climate domain	<a href="#">Event Description Report</a>	19
SC6.H1	Hangout	Risks and challenges of successful data management in the Social Sciences and Humanities	<a href="#">Event Description Report</a>	9
SC7.H1	Hangout	Big Data in Secure Societies	<a href="#">Event Description Report</a>	13

### 3.4 Community Building via other Synchronous Engagement

In addition to the workshops and online hangouts, a number of other activities have taken place where direct interaction with the stakeholders was initiated or sustained. These activities also elevated the engagement level from observers to followers, endorsers, contributors and even owners (pilot partners). The most notable secondary activities leading to community extensions in the first 12 months of the project were the following:

- The [Big Data Survey](#) (also heavily promoted by the [Big Data Value Association](#)). The results of this survey are detailed in full in Deliverable 2.4 (Community-Driven Big Data Requirements). The 394 participants (131 complete responses, 263 partial responses) were distributed spread geographically (majority around central Europe, led by Germany) and also from an SC point of view (33-35% highest proportion observed in SC1, SC6; 17% lowest proportion in SC2). A number (35) of feedback emails were also received.
- **Face-to-Face Interviews.** A total of 88 interviews were held across each SC domain (highest in SC7:17, lowest in SC3: 4).
- **Pilot Invitations.** In the last quarter of 2015, the WP2 team supported by the WP5/6 team coordinated the identification of external pilot partners to drive the seven BDE pilots. As a result, a Pilot Invitation letter clearly outlining the benefits and expectations was sent to various candidates per SC. The letter is attached to this deliverable as Appendix A.

In the Table below, we provide a progress update (and goal adjustment) over the original targeted synchronous engagement measures covered in Sections 3.1 - 3.4.

**Table 4: Channels and Goals for Synchronous Engagement**

Channels	Targeted Engagement Level Group <sup>1</sup>	Goal	By M12
Wiki (W3C)	All	1 per SC	1 per SC
Interest group face-to-face workshops	- Endorsers - Contributors - Owners	7-14 (1-2 per year per SC)	7 (1 per SC)

<sup>1</sup> Leaders are by default always included since they are part of the consortium.



Interest group calls\Hangouts	- Followers - Endorsers - Contributors - Owners	14 (2 per year per SC; original target: 1 per month per SC)  <b>Note:</b> Following the second project plenary, it was decided that 2 per year per SC (in addition to the technical Webinars) is a more realistic target.	8
Webinars/Training Sessions on platform, components and applications	All	15 (original target: 30-35)  <b>Note:</b> Following the second project plenary, it was decided that four SC-independent Webinars will be held in the second and third year of the project, plus a pilot-oriented SC-dependent Webinar towards the end of the project, bringing down the expected total to 15.	0  <b>Note:</b> Starting in Year 2.
Interviews	- Contributors - Owners	42 (6 per SC)	88 (12.6 per SC)

## 2.4 Community Building through Asynchronous Engagement

In Deliverable 2.1 (Community Building, Coordination and Planning) we also outlined the planned asynchronous forms of engagement, which also led to indirect community building. These activities, which include blog posts on the website and W3C groups, newsletters, Tweets about the project and activities, the sharing of recorded hangouts, presentations, photos and other material; as well as direct emailing with suggested contacts, have been reported thoroughly in Deliverable 7.3 (Annual Dissemination Report M12). As this is hard to achieve, the consortium has no explicit recording of how much of this dissemination and communication-driven engagement led to community extensions. However the engagement levels achieved as reported in Deliverable 7.3 give an indication of the success in this regard.

## 6. Summary

In this deliverable we provide a progress report related to the community building activities in the project, which are a key basis for this coordination and support action. Whereas in the first 12 months of the project we focussed on the quantity, in order to broaden as much as possible our impact, in the coming 2 years we will increasingly focus on the quality of stakeholder engagement. This means that although the number of new stakeholders indicating explicit interest in our project is foreseen to diminish, the engagement level exhibited by existing and/or new stakeholders is expected to increase, especially due to the more intense collaboration foreseen following the launch of the seven SC pilots.



# 7. Appendix

## A. Pilot Invitation Letter (Template instantiated for each SC)

### **Big Data Europe (BDE): Summary BDE Pilot Requests**

This document explains the objectives and the process etc. for BDE Pilots (Use Cases) to be used for BDE consortium partners as well as for 3rd parties, who are interested to realise such a BDE Pilot together with the Big Data Europe team in one of the Societal Challenges (SC).

#### **Introduction Big Data Europe (BDE)**

The growing digitization and networking process within our society has a large influence on all aspects of everyday life. Large amounts of data are being produced permanently, and when these are analyzed and interlinked they have the potential to create new knowledge and intelligent solutions for economy and society. Big Data can make important contributions to the technical progress in our societal key sectors and help shape business. What is needed are innovative technologies, strategies and competencies for the beneficial use of Big Data to address societal needs.

**Climate, Energy, Food, Health, Transport, Security, and Social Sciences** – are the most important societal challenges tackled by the European Union within the new research and innovation framework program “Horizon 2020”. In every one of these fields, the processing, analysis and integration of large amounts of data plays a growing role – such as the analysis of medical data, the decentralized supply with renewable energies or the optimization of traffic flow in large cities.

#### **Societal challenges and their Big Data focus areas:**



#### **Health**

Heterogeneous data linking and integration, biomedical semantic indexing



#### **Food & Agriculture**

Large-scale distributed data integration



#### **Energy**

Real-time monitoring, stream processing, data analytics, decision support



**Transport**

Streaming sensor network and geospatial data integration



**Climate**

Real-time monitoring, stream processing and data analytics



**Social Sciences**

Statistical and research data linking and integration

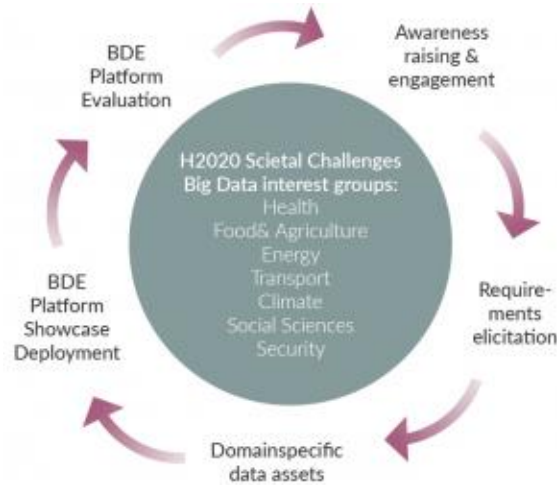


**Security**

Real-time monitoring, stream processing and data analytics, image data analysis

**BDE Project Objectives**

Big Data Europe will undertake the foundational work for enabling European companies to build innovative multilingual products and services based on semantically interoperable, large-scale, multi-lingual data assets and knowledge, available under a variety of licenses and business models.



**Big Data Europe aims to:**

- Collect requirements for the ICT infrastructure needed by data-intensive science practitioners tackling a wide range of societal challenges; covering all aspects of publishing and consuming semantically interoperable, large-scale, multi-lingual data assets and knowledge.
- Design and implement an architecture for an infrastructure that meets requirements, minimizes the disruption to current workflows, and maximizes the opportunities to take advantage of the latest European RTD developments, including multilingual data harvesting, data analytics, and data visualization.

**BDE Facts & Figures**

- Website: <http://www.big-data-europe.eu>
- BDE Project Slides: <http://bit.ly/1KnohKv>
- SlideDeck: [http://de.slideshare.net/BigData\\_Europe](http://de.slideshare.net/BigData_Europe)
- LinkedIn Group: <https://www.linkedin.com/grp/home?gid=6940520>
- Twitter: [https://twitter.com/bigdata\\_europe](https://twitter.com/bigdata_europe)

**The BDE Pilots**

In order to design, test and produce the proposed BDE Data Aggregator Platform, the BDE consortium seeks early adoption of the technology from a few select stakeholders across all seven H2020 communities. The purpose of this engagement is to carefully select and implement pilot use-cases, so as to provide adequate test beds for the platform and ensure self-sustainability beyond the action’s end.

**Requirements and Benefits as a Pilot Stakeholder**

As a pilot stakeholder, you will enjoy the following benefits:

- Immediate use of BDE infrastructure to roll-out innovative big data trials
- Participate in close technical discussions on the use of big data in your organisation
- Enjoy free advice, consultancy and technical support for your big data integration needs.
- Acknowledgment as a key lighthouse project at the European big data strategy





- Assume a leading role in big data technology within your community

In turn, the BDE consortium expects potential candidate stakeholders to satisfying the following requirements:

- Active and well-established in the community (high domain representability). We also welcome stakeholders and use-cases related to multiple SCs.
- High potential of realising big data use-cases
- Direct or indirect access to data volumes that can fuel use-cases
- Active interest in technological development and innovation
- Clear problem statement and motivation for exploiting the BDE Data Aggregator Platform

### **Pilot Realisation**

At least one Pilot per SC domain will be developed in the course of the BDE project. Pilots will act as demonstrators of the BDE Data Aggregator Platform's potential in the respective SC. Pilots can be established in a relatively small scale but will also develop over time through the continuous release of Data Aggregator Platform prototypes throughout the project's duration.

**Pilots will be realised in 3 main phases:**

1. Specification Phase
2. Implementation (& Development) Phase
3. Evaluation & Demonstration Phase

Aside from specification and implementation, Pilots will also be subject to an intense evaluation and demonstration phase involving:

- the BDE technical team
- the relevant (SC-specific) communities, following their presentation in the course of events, webinars and other community- and promotion activities.

### **Relevant excerpt from the BDE Description of Work (DoW)**

*The aim of Work Package 6 is to plan, develop and evaluate through a number of pilot trials the instantiations of the Big Data Europe stack in real-world scenarios. More specifically, the work package aims:*

- *To develop a plan for organizing, executing and evaluating the pilot sessions;*
- *To run the actual piloting sessions*
- *To collect and analyse the derived results, and produce suggestions on the improvement and refinement of the Big Data Integrator, in terms of its general functionality, the provided user interfaces and the way that it is adapted to cover community-specific requirements.*

*The pilots will be deployed over the BDE instantiations produced in the context of the project.*

***This task will focus on the actual deployment and execution of the piloting sessions that will be running over the Big Data Europe instantiations. Together with the network partners representing the H2020 societal challenges, we will identify a promising showcase involving key large-scale datasets being relevant for the respective communities.***



*We will focus in the pilot deployment on crucial Big Data aspects for the respective community. For life-science for example heterogeneous data linking & integration is of paramount importance, while the energy domain relies on real-time monitoring stream processing and analytics. For transport streaming sensor network & geo-spatial data integration is a crucial technology, while statistical and research data linking & integration is the focus of social sciences. For security applications various forms of large scale image data analysis are crucial.*

*With the BDE pilots, we aim to achieve a lasting impact. We envision, that the pilots will be maintained and further developed by respective communities after the end of the BDE project. For some pilots, the existing network partners will take over the stewardship for the pilot, for some separate entities will be setup similarly as the OpenPHACTS foundation.*

### Detailed Pilot Specification & Realisation Process

The following phases and activities are planned to realise a BDE Pilot:

1. **Specification of a (Business) Use Case (UC)** that suits well for a BDE Pilot Project (can be a UC from a consortium partner as well as together with a 3rd party partner). Such UC requires to have a clear problem statement that should be solved by the BDE Pilot and thereby creates added value / benefit for the UC partner and if possible for European society AND it is required that the UC can clearly be assigned to one of the 7 SCs.
2. **Filling in of the [BDE UC / Pilot template](#)** in the following steps
  - a. Filling in by the Pilot Project / UC partner
  - b. Review by the BDE SC team (domain lead and tech lead of this UC)
  - c. Management of a ~1 hour call (UC partner and BDE team = SC domain lead and SC technical lead) to discuss open questions from both sides and fill in additional sections

**REMARK:** only applicable sections of this template need to be filled (see remarks in template document)
3. **Final Specification of the Pilot / UC** along the filled UC Scenario Template including the Use Case, the data to be processed, the data processing and the final data visualisation (e.g. in the form of a dashboard).

### Input Required by Pilot / UC Partners

The following activities and efforts are requested by the BDE team to ensure a BDE Pilot will fulfill BDE related requirements and is successful for all stakeholders:

- **Specification** of a (Business) Use Case for the Pilot
- **Filling the UC Template** together with the BDE team
- **Provision of Data** - if possible at least a part as Open Data to ensure public use / demonstration
- **Support Pilot implementation:** mainly regarding review of implementation along the specified objectives as well as add. data provision if specified
- **Support Pilot Evaluation:** inviting of the relevant SC community to evaluate the Pilot and also manage evaluation.
- **Support of Promotion** in respective community to ensure use & added value of Pilot
- *Optional:* take over of the Pilot for future use & maintenance



Remark: Pilot partners can take over the Pilot(s) along the project duration and above by making use of the BDE Aggregator Platform and all made developments.

### **BDE Pilots - Time Plan**

The following milestones are foreseen to realise the BDE Pilots along the project duration

1. **Pilot Specification Phase:** BDE M7-12 (14): July to November 2015
2. **1st Pilot Deployment:** implementation work & activities and launch of 1st Pilot Beta:  
BDE M18: June 2016
3. **1st Pilot Evaluation & Community-specific Assessment:** BDE M24: December 2016
4. **2nd and 3rd Pilot Deployment & 2nd and Final Pilot Evaluation & Community-specific Assessment:** BDE M36: December 2017 (latest)

Remark: Pilots can be finalised earlier also (e.g. with the 1st deployment phase) and then mainly be evaluated and used for demonstration purposes.

### **BDE Contact Points for Pilots**

BDE, WP2 Lead: Simon Scerri (Fraunhofer): [scerri@iai.uni-bonn.de](mailto:scerri@iai.uni-bonn.de)

BDE, WP2: Martin Kaltenböck (SWC): [m.kaltenboeck@semantic-web.at](mailto:m.kaltenboeck@semantic-web.at)

BDE, WP6: Ronald Siebes (VU Amsterdam): [r.m.siebes@vu.nl](mailto:r.m.siebes@vu.nl)

### **Societal Challenge Specific Contacts Points:**

SCX: Official Title of SC

- Domain Lead: *Name & Email*
- Tech Lead: *Name & Email*

Website of SC area:

*BDE SC W3C Community Group:*

### **Interested? Here is how to proceed.**

Please answer the following first set of questions about your potential Big Data Europe (BDE) Pilot and send back to us - many thanks in advance!

- Please describe your organisation and your role in the organisation briefly
- Please explain your domain background knowledge/ education / expertise.
- Please describe the Pilot / Use Case in prosa with a short problem statement and the related data (sets) in ~200 words (max).
- Do you think that it is likely that the BDE project can get access to the data and/or services that you are using, in order to improve your work? How could you benefit from such Pilot together with BDE?
- Please write down a short summary of the data sets, tools and (online/internal) (web/database) services that you use (in your data related research) at the moment.