

Accelerating data-driven innovation in Europe

@BDVA_PPP



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Secretary General BDVA

<http://www.bdva.eu/>

RDA Data Innovation Forum

January 30th, 2018

Industry-driven and fully self-financed international non-for-profit organisation under Belgian law

194 Members

35 Large companies

63 SMEs

82 Research institutions

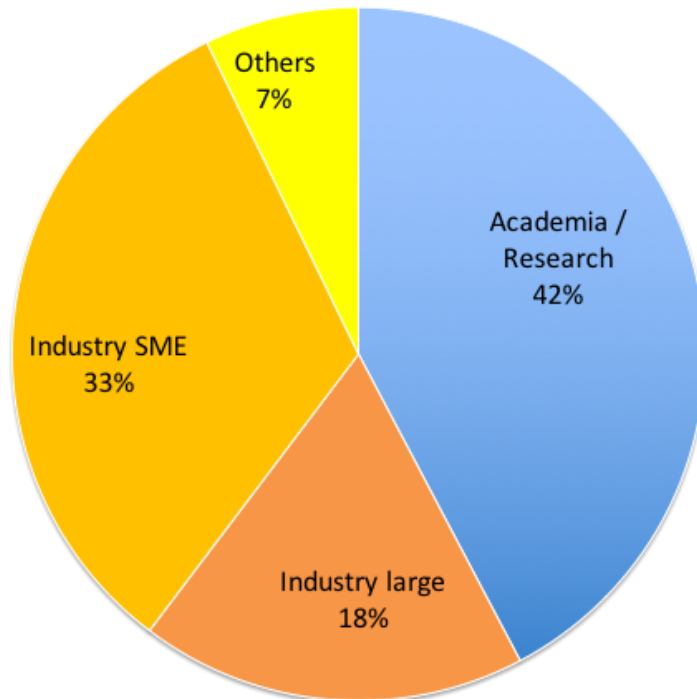
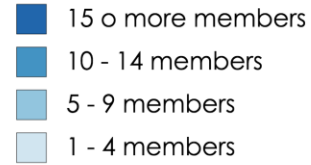
14 Others

88 Full members

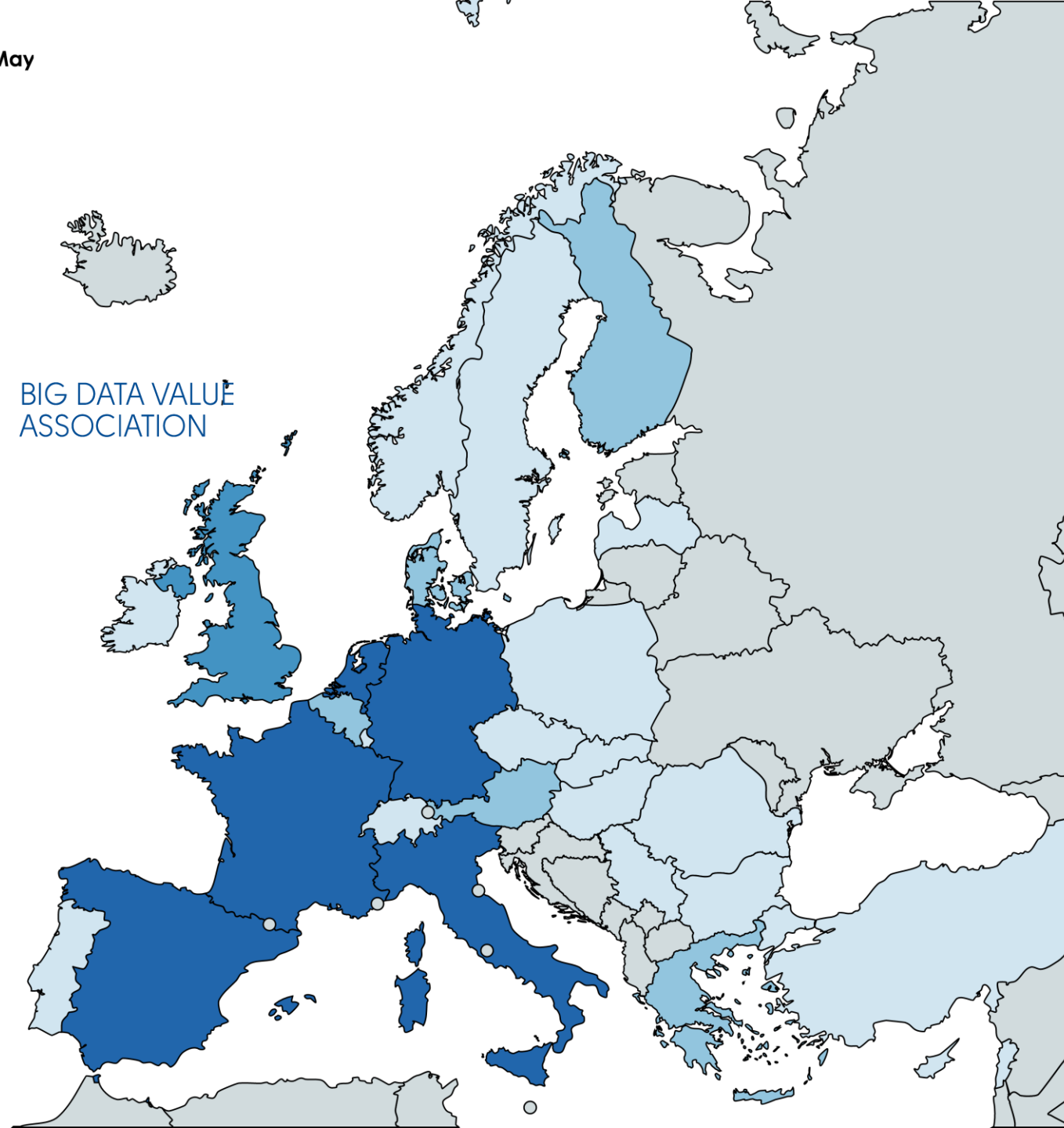
106 Associate members

Present in 28 countries

BDVA members per country (May 2017)



Created with mapchart.net ©

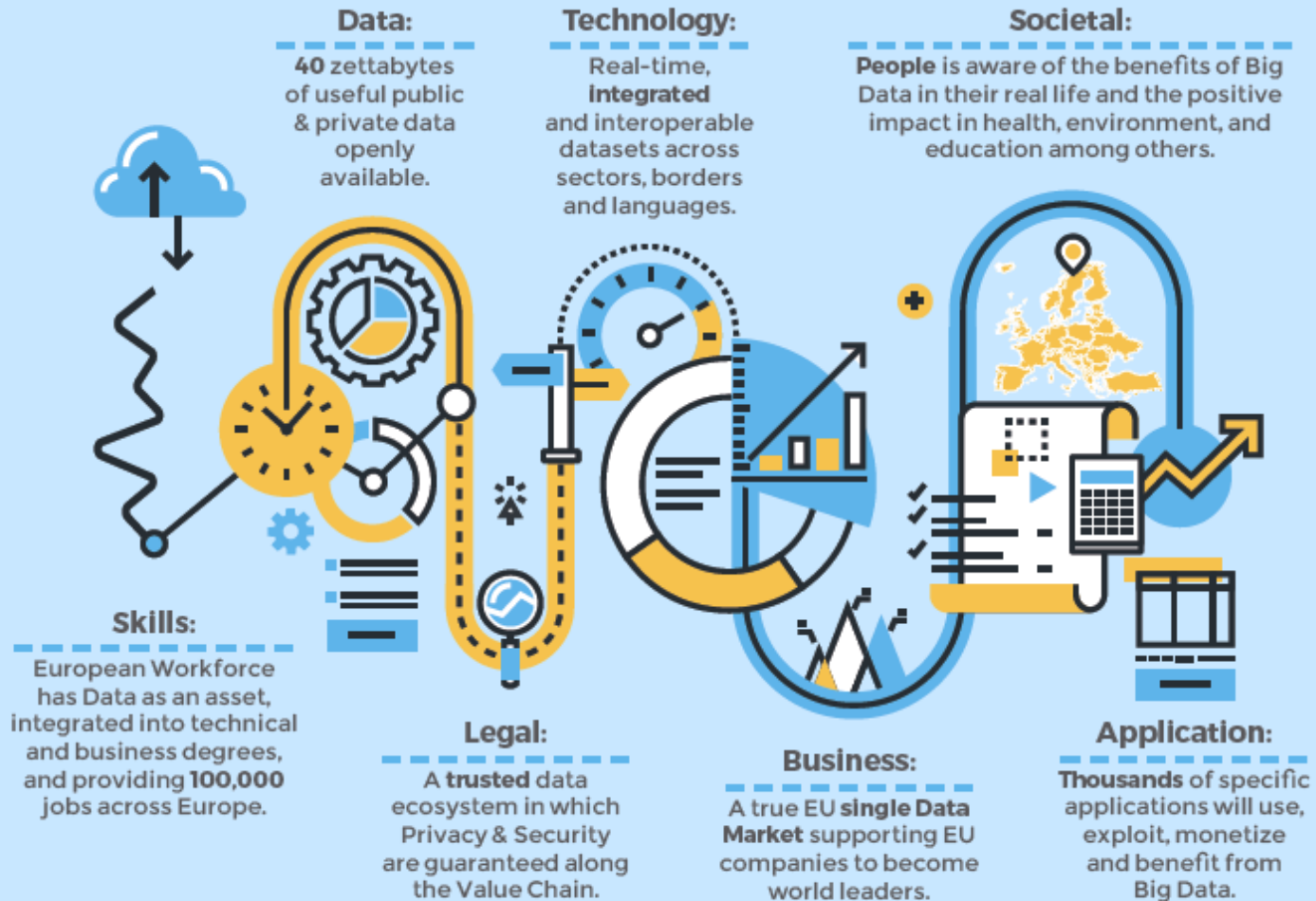


The EU and Industry launched the Contractual Public Private Partnership (cPPP) on Big Data Value in 2014-10

Big Data Value PPP: Investment

- “The European Commission and Europe's data industry have committed to invest €2.5 billion in a public-private partnership (PPP) that aims to strengthen the data sector and put Europe at the forefront of the global data race.”
- “The EU has earmarked over €500 million of investment over 5 years (2016-2020) from Horizon 2020”
- Private partners are expected to leverage this through sector investments of four times the cPPP budget (ie €2 billion)

Big Data Value Vision for 2020



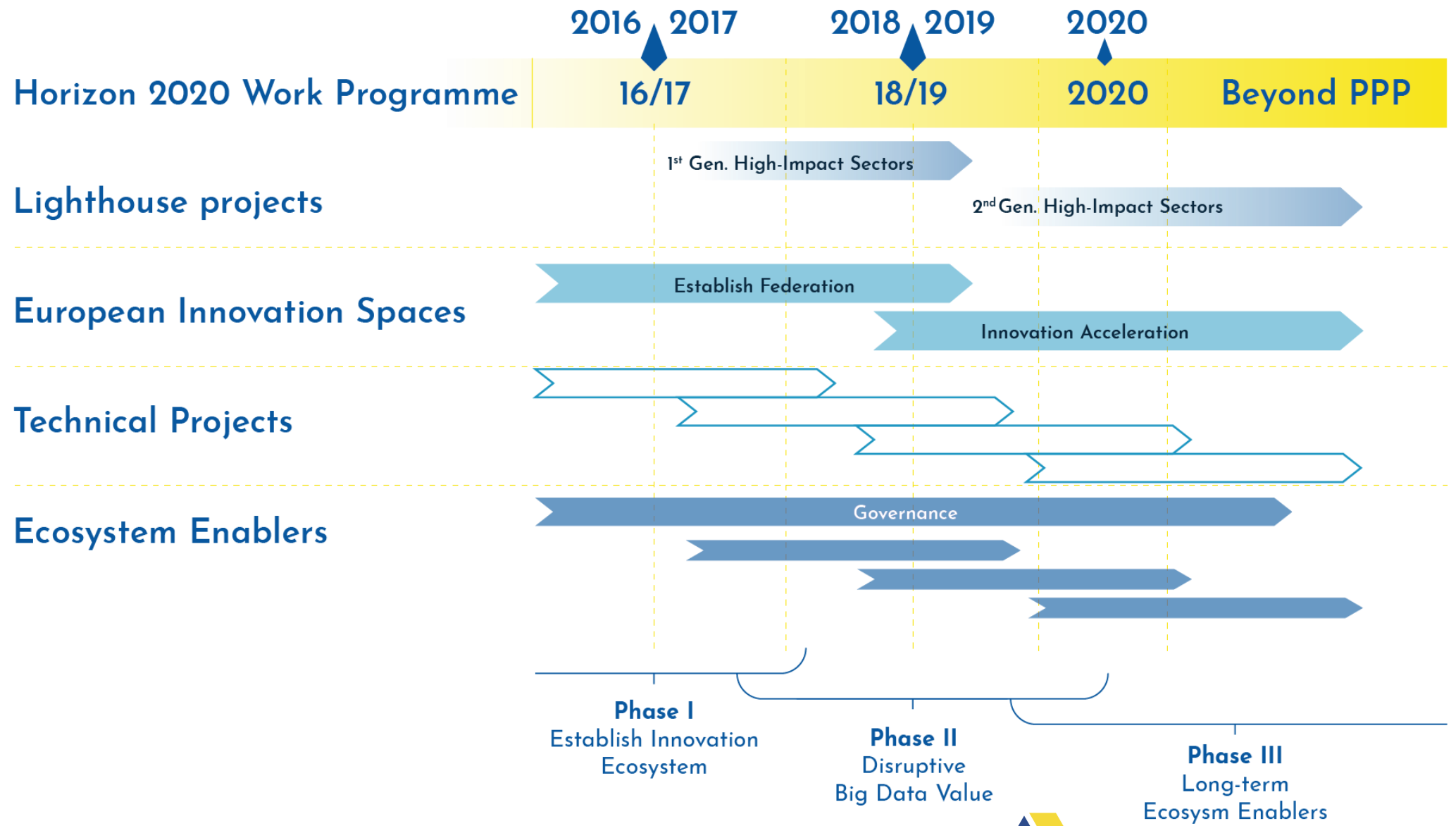
BDV SRIA **European Big Data Value** **Strategic Research and** **Innovation Agenda**

Version 4.0 October 2017

Accelerating Data-Driven
Innovation in Europe

www.bdva.eu

SRIA v4.0 @www.bdva.eu



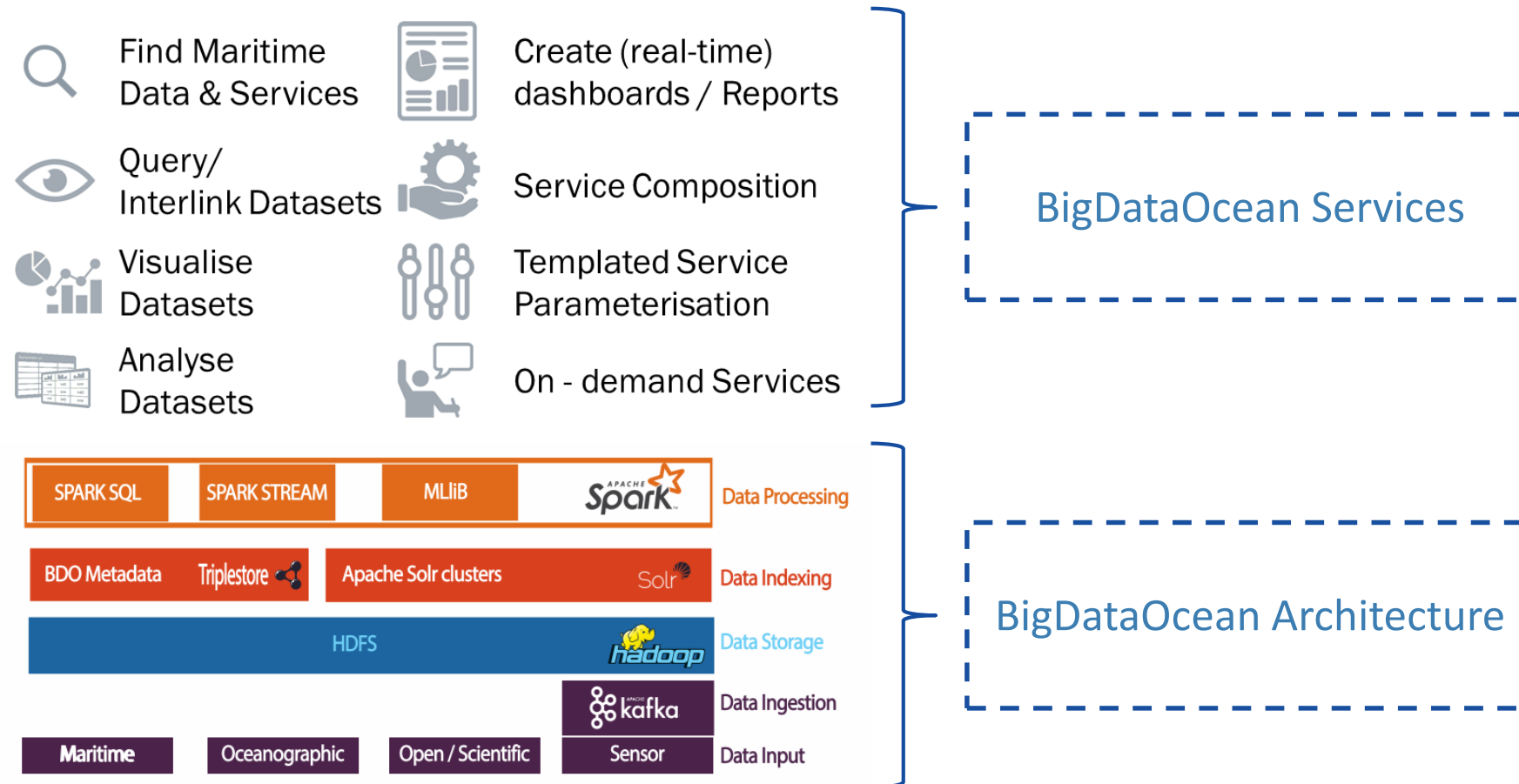
BDV PPP Roadmap

BDV PPP Implementation projects (H2020-ICT-2016)

BDVe (Big Data Value eCcosystem)	eCommerce	Retail	Marketing	Transport	Environment	Fashion	Health	Bioeconomy	
	K-Plex								Responsible ICT-related R&I
							MH-HD		Privacy-preserve Big Data technologies
	Special								
	E-Sides								
	SODA								
				TT				DataBio	Lighthouse projects
	Data EW-Shopp			QROWD		Fashion Brain			Cross-sectorial, cross-lingual data integration and experimentation
				Big Data Ocean					
	SLIPO								
	euBusinessGraph								
	AEGIS								
	Data Pitch								

BigDataOcean at a glance

Objective: Develop a Maritime Big Data Solution that delivers out-of-the-box, value-added analytic services for maritime applications by exploiting cross-sector data streams.



BDV PPP Implementation projects (H2020-ICT-2016-2017) (33 projects)

BDV PPP implementation website: www.big-data-value.eu

**Data Incubators /
Data Platforms
(IA)**

Topic:
ICT-14-WP2016-2017

N=15

**Lighthouse Projects /
Large scale pilots / test-beds
(IA)**

Topic:
ICT-15-2016-2017

N=4

**Technical Projects
(RIA)**

Topic:
ICT-18-2016
ICT-16-2017

N=12

Collab. & Support Actions (CSA)

Topic: ICT-17-2016-2017

N=2

Statement 1: Experimentation and testing.

“The BDV PPP as an experimentation ground for new data policies”

- ***Experimentation and testing** is an essential activity to explore the implications of technological innovations in real-world settings in order to unearth unexpected consequences, unobserved aspects, and creative shortcuts.*
- *This counts for data value chains within one domain, but is especially important for cross-domain data value chains.*
- *BDVA strongly believes that projects under the PPP are instrumental to test whether markets may be developing favourably and/or regulatory interventions are necessary.*
- *BDVA encourages the provision of guidance to the community and will continue to work on assembling and documenting best practices in data sharing among the members; one step that we will take is a members’ survey in which we take stock of existing approaches.*

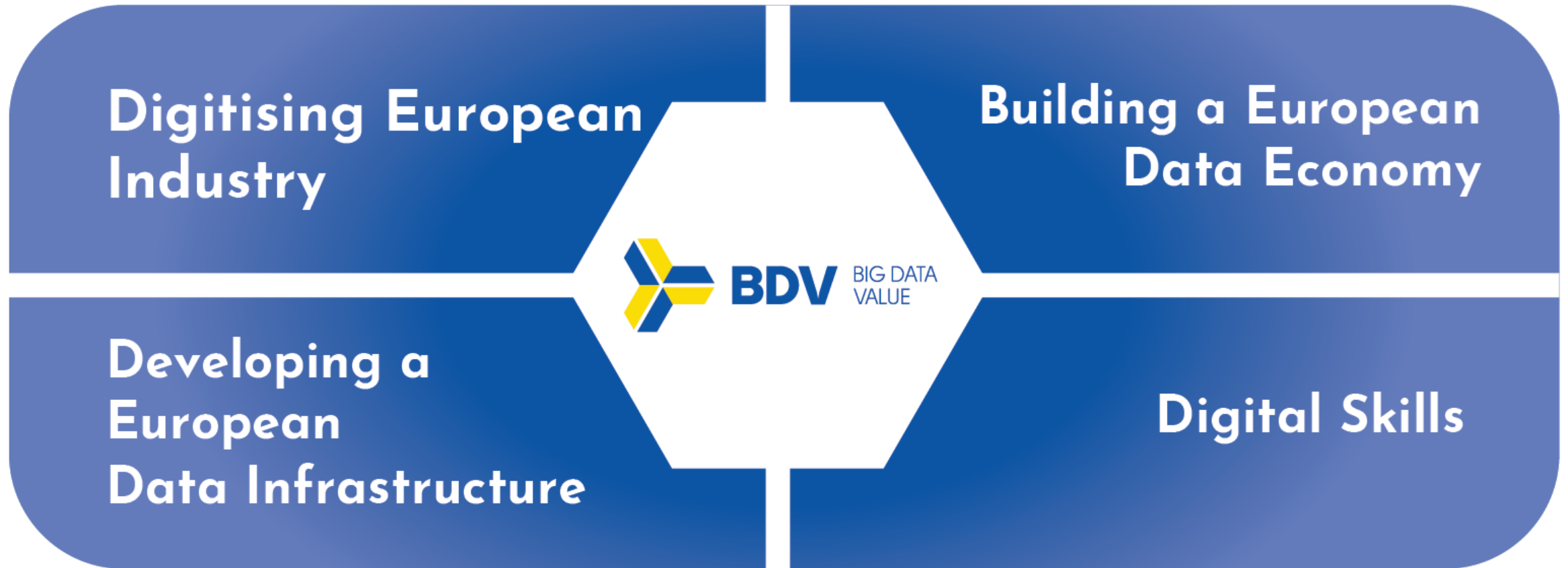
* Test from BDVA Position to “Building European Data Economy Consultation”



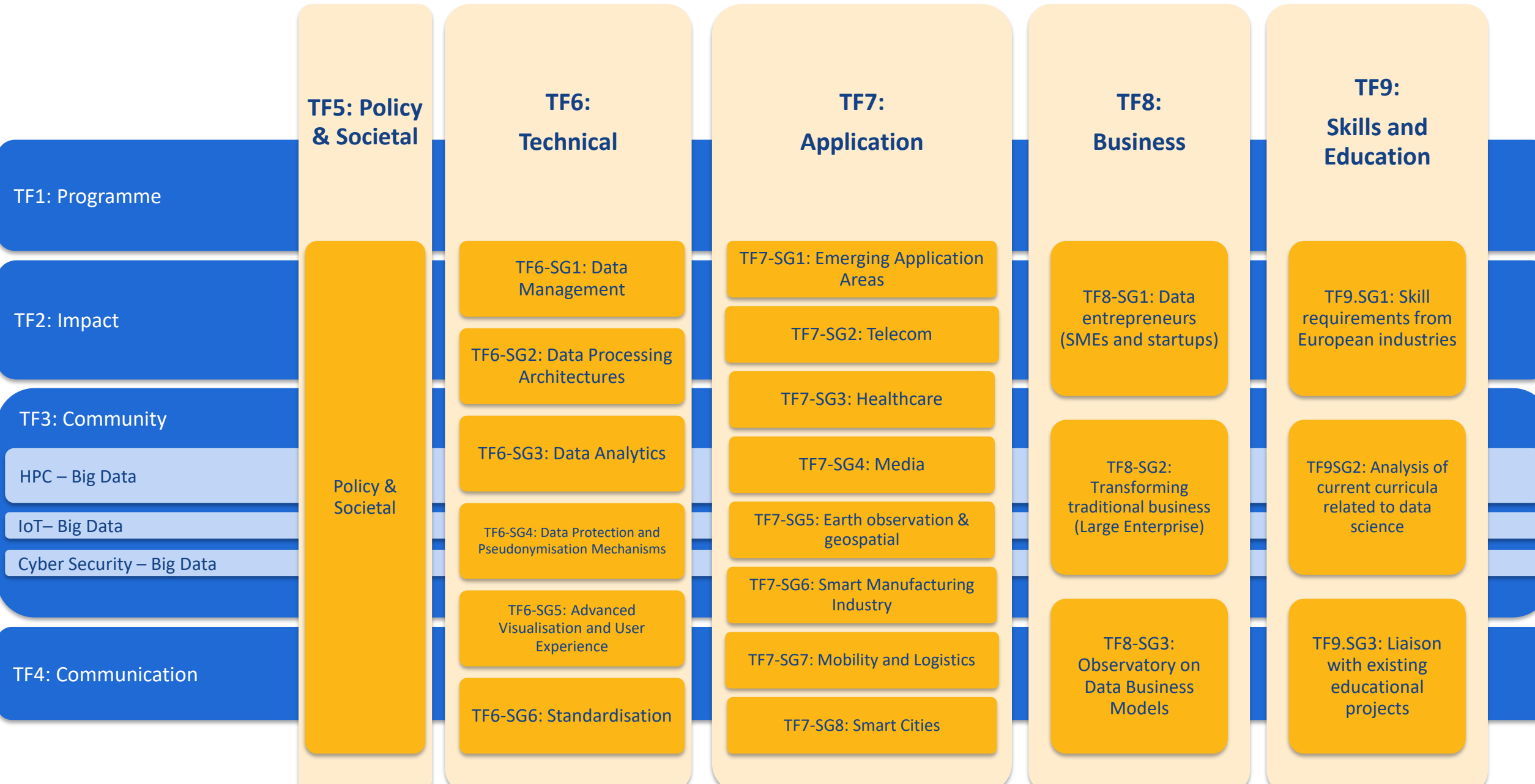
The **mission** of the BDVA is to develop the Innovation Ecosystem that will enable the data-driven digital transformation in Europe delivering maximum economic and societal benefit, and, achieving and sustaining Europe's leadership on Big Data Value creation and Artificial Intelligence.



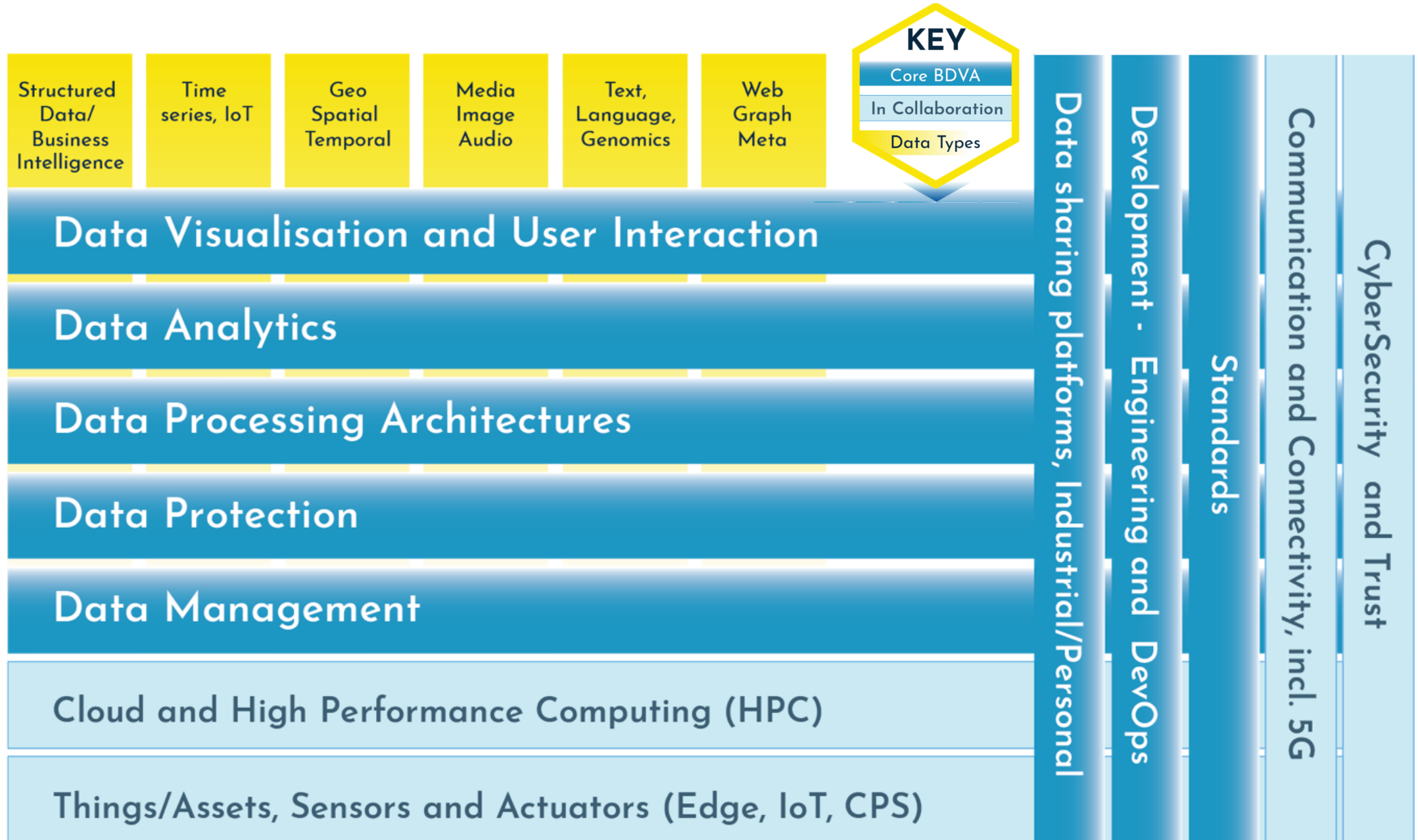
Contributing to the Digital Single Market Strategy Implementation



BDVA is taking care...of many different aspects of the big data



Big Data Reference Model



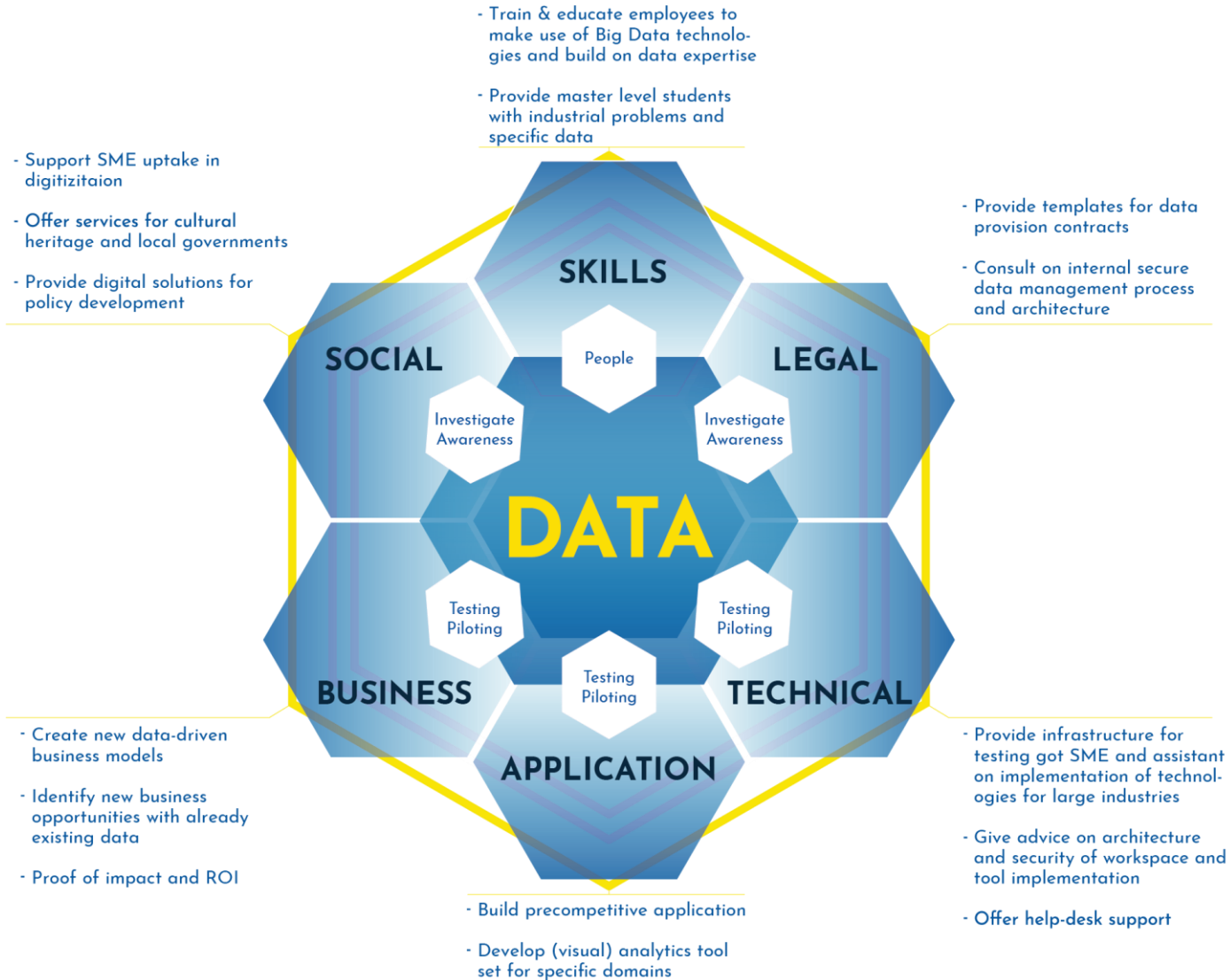
Statement 2: interoperable data-driven ecosystem

“Creation of European Workforce in Data Standardisation and interoperability”

- › *Development of an interoperable data-driven ecosystem as a source for new businesses and innovations using (Big) Data is the basis of data value creation in Europe. This applies both to the technology and to the data.*
- › *Standards are key elements of the technical knowledge landscape for enterprise. Data standards and interoperability are pivotal to boosting export activity, job creation and in galvanising innovation to contribute to economic growth, facilitating improved business performance, promoting innovation and driving competitiveness and exports into new markets.*
- › *BDVA recommended in its position to the Communication “Building a European Data Economy”:*
 - › *Minimising barriers between industries and sectors by prioritising a reference architecture or reference model.*
 - › *Supporting investing and progressing in the interoperability and standardisation agenda*
Harmonisation of standardisation research and development pursuing coordination between different National initiatives to create a European workforce in data standardisation and interoperability.

* Test from BDVA Position to “Building European Data Economy Consultation”

BDVA Innovation Spaces (i-Spaces)



BDVA labelled i-Spaces

Country	Initiative Name	BDVA label
ES	Big Data Centre of Excellence Barcelona	SILVER
IT	Cineca	SILVER
AUT	Know-Center	SILVER
SE	RISE SICS North ICE	SILVER
DE	Smart Data Innovation Lab	SILVER
FR	Teralab	SILVER
NL	EGI Foundation	BRONZE
ES	ITI Big Data Space	BRONZE

Statement 3: European Data Innovation Spaces (i-Spaces) / Data Innovation Hubs

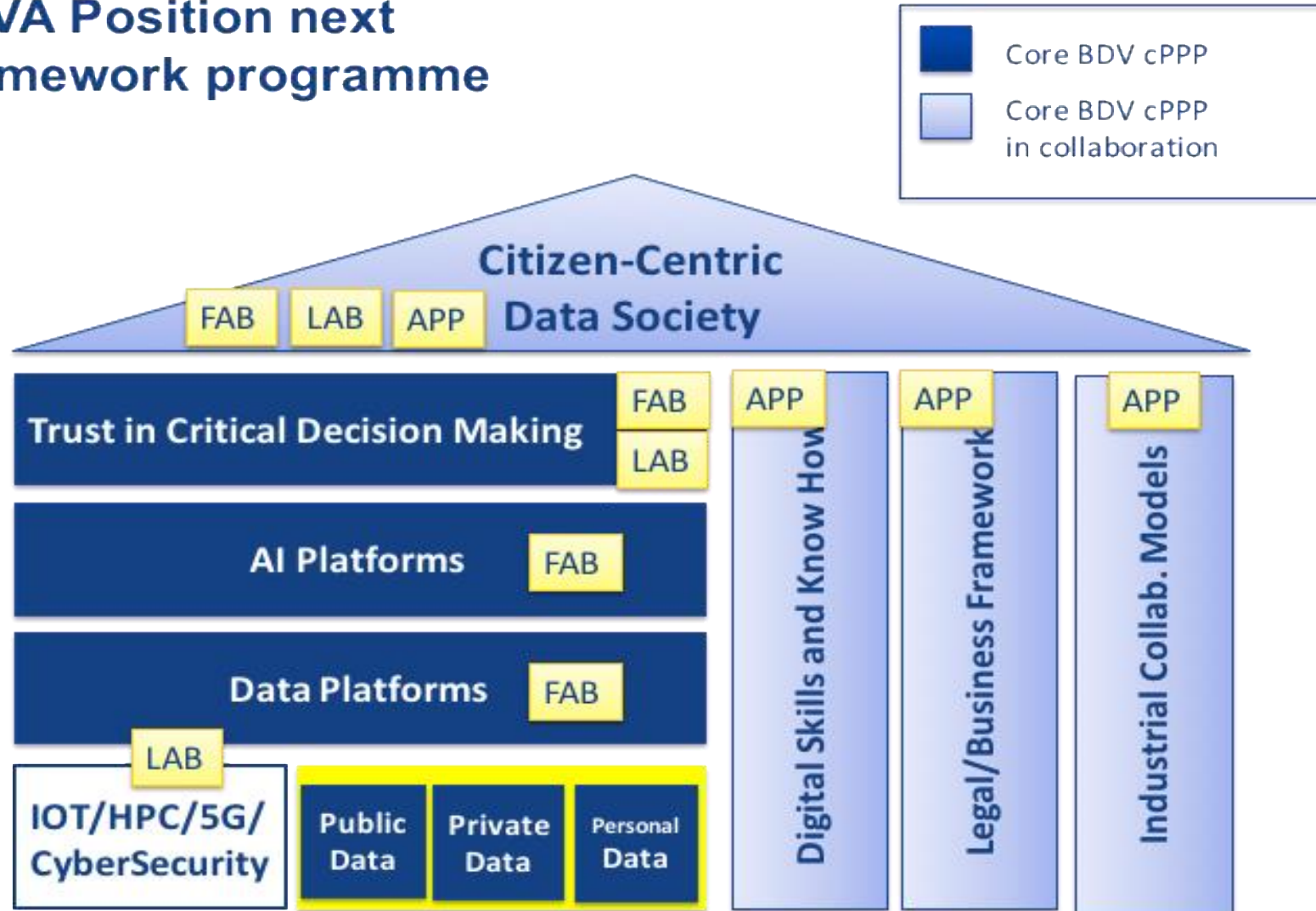
“Stimulation of trusted, secure, neutral and sovereign pre-competitive Big Data-Experimenting-Hubs (i-Spaces) should remain a policy priority”

- *BDVA wants to stress the **importance of awareness, trust, data skills and access to data-experimentation and data-innovation**. Awareness raising, the development of data skills and the creation of trusted areas that allow for experimentation are three environmental factors that provide a powerful stimulus to the community to venture themselves in the digital economy.*
- *BDVA will continue the work on the **development of i-Spaces** and awareness raising in the community on the topics of data access and data transfer*
- *The creation of **data innovation hubs** (that detain the necessary expertise to accelerate data-driven innovation in trusted environments) and of awareness (to engage more actors and overcome their initial reluctance to data sharing) needs additional and continuous support.*

* Test from BDVA Position to “Building European Data Economy Consultation”



BDVA Position next Framework programme



Further Information:

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