



BIG DATA VALUE

Intelligent Transport and Digital Skills

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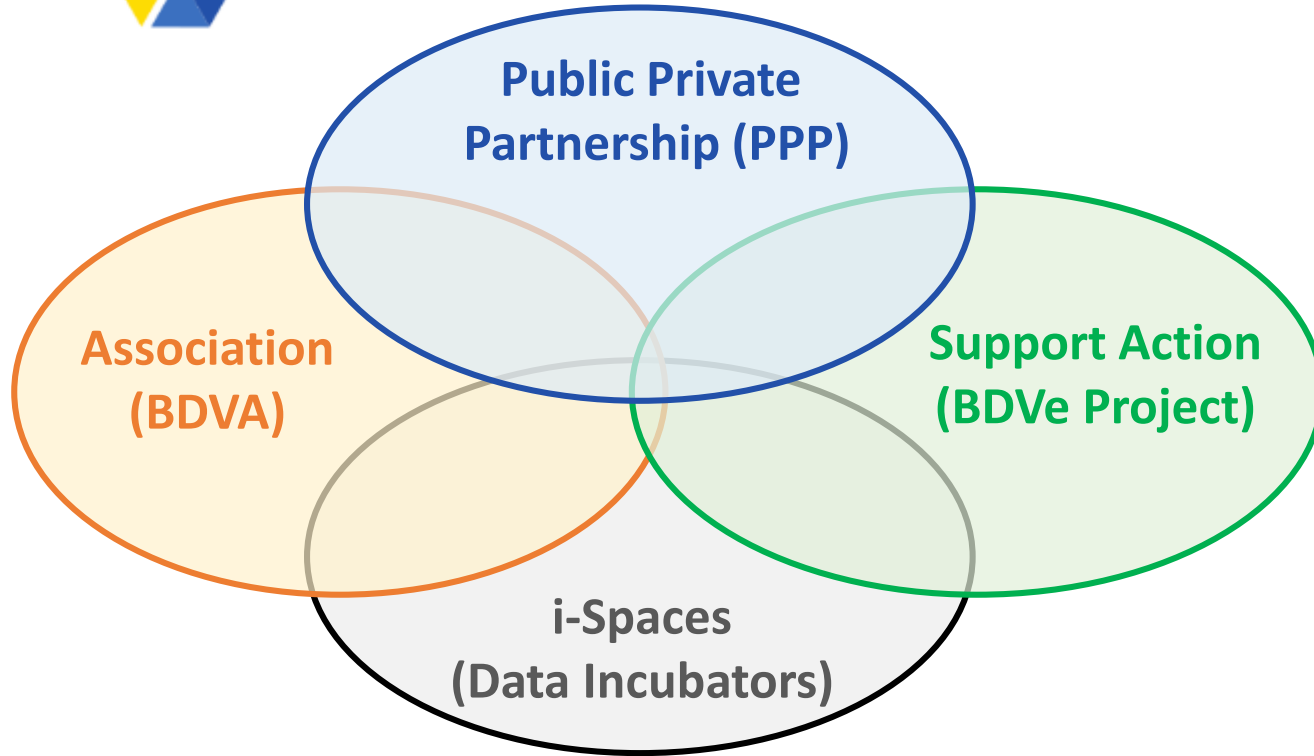
Depty. Secr. General, Big Data Value Association (BDVA)

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2nd Annual Transatlantic Symposium on ICT and Policy

Washington, D.C., USA

Background



www.big-data-value.eu



www.transformingtransport.eu

Intelligent Transport



Data-driven decision making in retailing

Predictive analytics to anticipate passenger flow and preferences

Adapt marketing to expected passenger typology per time slot

Use data insights to exploit market niches



TRANSFORMING
TRANSPORT



ATHENS
INTERNATIONAL AIRPORT
ELEFTHERIOS VENIZELOS



A STAR ALLIANCE MEMBER 

Intelligent Transport



Improved driving and travel experience



Predictive analytics for improved traffic distribution along road corridor

Better information and decision tools for road users

Real-time incident warnings based on distributed acoustic sensing

cintra

Intelligent Transport



Predictive analytics for proactive terminal management



Run-time visualization of operations to increase terminal productivity

Predictive analytics (deep learning) to generate warnings for proactive management

Enhanced decision support for terminal operators

The demand for information and communications technology specialists is growing fast.



In the future, **9 out of 10 jobs** will require digital skills



At the same time, **169 million Europeans between 16 and 74 years – 44%** – do not have basic digital skills.

Source: https://ec.europa.eu/commission/sites/beta-political/files/budget-proposals-digital-transformation-may2018_en.pdf

Demand for “data professionals” exceeds supply on the labour market

Year	Gap (total EU)	Gap (% EU)
2014	500,000	8%
2020 (baseline)	530,000	6%
2020 (challenged)	150,000	2%
2020 (high-growth)	3,500,000	30%

(Source: IDC)

Digital Skills

(Some) ongoing activities in Europe

“Digital Skills and Jobs” Coalition

- e.g., Digital Opportunity Traineeships
(cross-border; up to 6,000 students / recent graduates by 2020)

<http://pledgeviewer.eu/>

BDVe project’s “Skills” activities

- e.g., Big Data Value Education Hub
(repository of 170 European Master Programmes)

<http://bigdataprofessional.eu>





BIG DATA VALUE

EUROPEAN
**BIG DATA
VALUE** FORUM

SAVE THE DATE
2018 NOV 12-14
VIENNA, AUSTRIA
STAY TUNED!



Projects receive funding from the EU's Horizon 2020 research and innovation programme under



**Objective ICT-15 'Big Data PPP:
Large Scale Pilot Actions'**



**Objective ICT-17 'Support,
industrial skills,
benchmarking and evaluation'**

