

EUROPEAN
**BIGDATA
VALUE** FORUM

VERSAILLES, NOV 21-23 2017



National Initiatives on Big Data and the Data economy - Germany

Volker Genetzky

Development of digital technologies

**Federal Ministry of economic affairs and
energy**



**Bundesministerium
für Wirtschaft
und Energie**

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Bundesministerium
für Wirtschaft
und Energie



Bundesministerium
für Bildung
und Forschung

1. Ministry of Economics Affairs and Energy (BMWi)
2. Ministry of Education and Research (BMBF)
3. Industrial initiatives
4. Community building

SECTION 1

Funding by BMWi



„Smart Data – Innovations from Data“ funding programme; 2014-2018; 35 Mio. € budget (50%), 16 projects in industry, energy, mobility, health; accompanying research in fields like legal aspects, security, technology, acceptance, standards; e.g. CEN: together with France secure identity management ISAEN (Individual perSonal data Auditable addrEss) by Blockchain; Smart Data Forum, 2015-2018: knowledge hub, demonstrator and national & international networking platform for Smart Data technologies and stakeholders in Germany; e.g. roadshows; follow up from both activities in 2018

SECTION 2

Funding by BMBF



„Big Data“ funding programme, 2013-2017: 10 projects, competence centers berlin big data center and SCADS Dresden / Leipzig; accompanying research in fields like legal & politics research, ethics & economic aspects, sociology; Smart Data Innovation Lab - research on tools, processes and operations concepts; Industrial Data Space partly funding for Fraunhofer Society; „Machine Learning“ funding programmes 2017 +: call for projects; call for qualification measures; call for 3 competence centers for automatic analysis of data with machine learning;

SECTION 3

Industrial Initiatives

 **Smart Data**
Innovation Lab

Smart Data Innovation Lab, Karlsruhe: foundation in 2014; offers big data researchers unique access to a large variety of big data and in-memory technologies; technology platform & community building in application fields like industry, personalized medicine, smart infrastructure; horizontal activities in fields like curation, legal aspects, security, data anonymization; Industrial Data Space e.V.: virtual data space for secure exchange and simple linking of data in business ecosystems on the basis of standards and by using collaborative governance models

INDUSTRIAL DATA
SPACE ASSOCIATION

SECTION 4

Community Building



Network of Centers of Excellence in Big Data (initiated by DE + AT); Fraunhofer „Big Data Research Alliance“; activities of all relevant ICT associations (BITKOM, GI, acatech,...); trainings, conferences & community building events for Data Scientists; some large industry players with big data products (SAP Hana, Software AG Terracotta + Apama, ...); broad scene of „Big Data“ Startups & SME (data Artisans (Apache Flink), Exasol, Blue Yonder, averbis,);



Smart Data

www.smart-data-programm.de

<http://smartdataforum.de/>

www.digitale-technologien.de

The background of the slide is a dark blue/black space filled with a complex, abstract pattern of thin, light blue lines and small white dots. The lines are mostly horizontal and wavy, creating a sense of movement and data flow. The dots are scattered throughout, some appearing as bright points of light. The overall effect is that of a digital network or data visualization.

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THANK YOU