

EUROPEAN
**BIG DATA
VALUE** FORUM

VERSAILLES, NOV 21-23 2017



BIG DATA IN AUSTRIA

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**AUSTRIAN FEDERAL MINISTRY FOR
TRANSPORT, INNOVATION AND
TECHNOLOGY**





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1. Technology Roadmap “Conquering Data”
2. Data Service Ecosystem
3. Network Stakeholders
4. Privacy



STRATEGY

Technology Roadmap “Conquering Data”

	short term (up to 2015)	mid term (up to 2020)	long term (up to 2025)
Advance Data Integration and Fusion	1: Advanced technologies for Data Integration & Fusion developed		
Increase Algorithmic Efficiency	2: Efficiency of data analytics algorithms brought to a new level		
Make Information Actionable	3: Technologies turning data into actionable information available		
Automate Knowledge Work	4: Intelligent systems for next-generation decision making developed		
Build Data-Services Ecosystem	5b: Data-Services Ecosystem materialized		
	5a: Concept completed		5c: Selected applications implemented
Develop Legal Framework	6: Common legal framework developed		
Network Stakeholders	7a: National & int'l stakeholder networking initiatives installed		7b: Future Data study completed
	8a: Education programmes defined	8b: <i>Austrian Data Technologies Institute</i> established	
Enforce Gender & Diversity Measures	9: Measures enforcing gender awareness in Data Analytics implemented		

Objectives of ICT of the Future



1. Develop lead technologies



2. Achieve lead positions in competitive markets

3. Establish and extend a lead position as location for research



4. Produce highly qualified personnel



Build Data Service Ecosystem

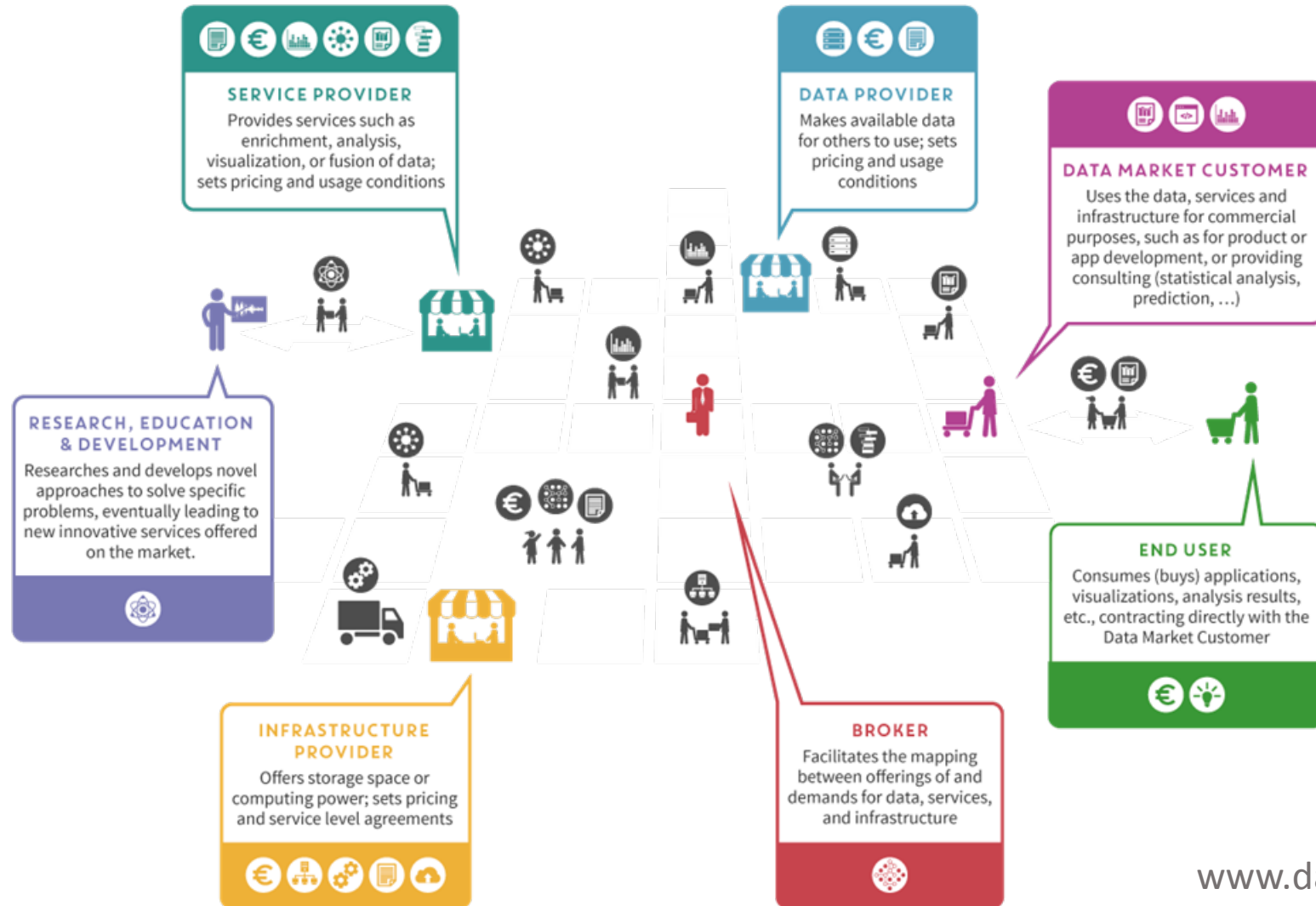
Lighthouseproject



The Data Market Austria Project is creating a Data-Services Ecosystem in Austria by

- advancing technology foundations for secure data markets and
- cloud interoperability, and
- creating an environment encouraging data-centred innovation.

Data Market Austria

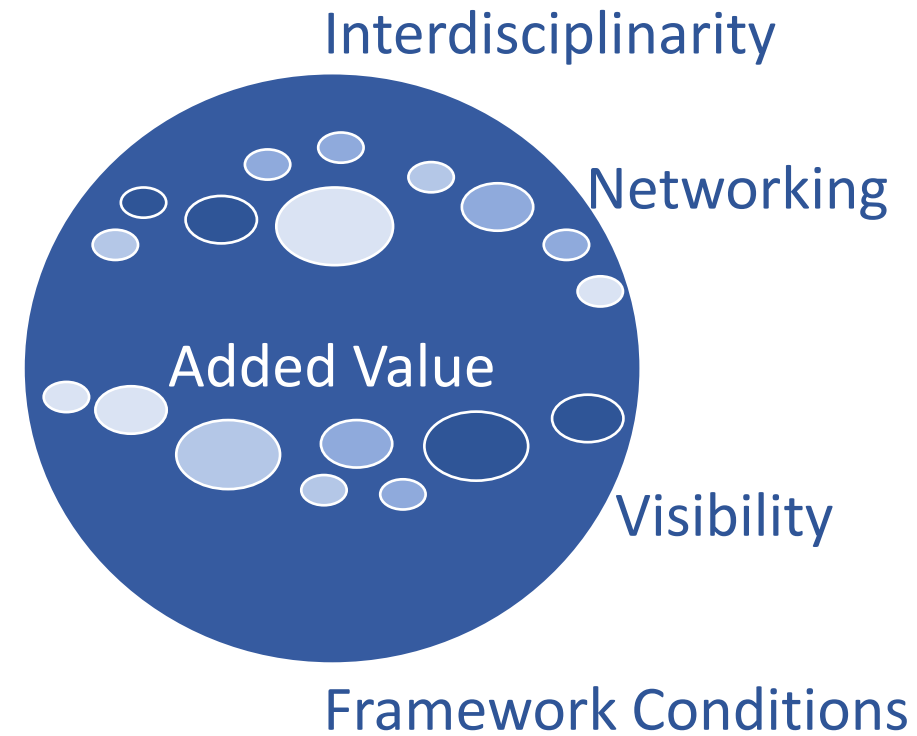




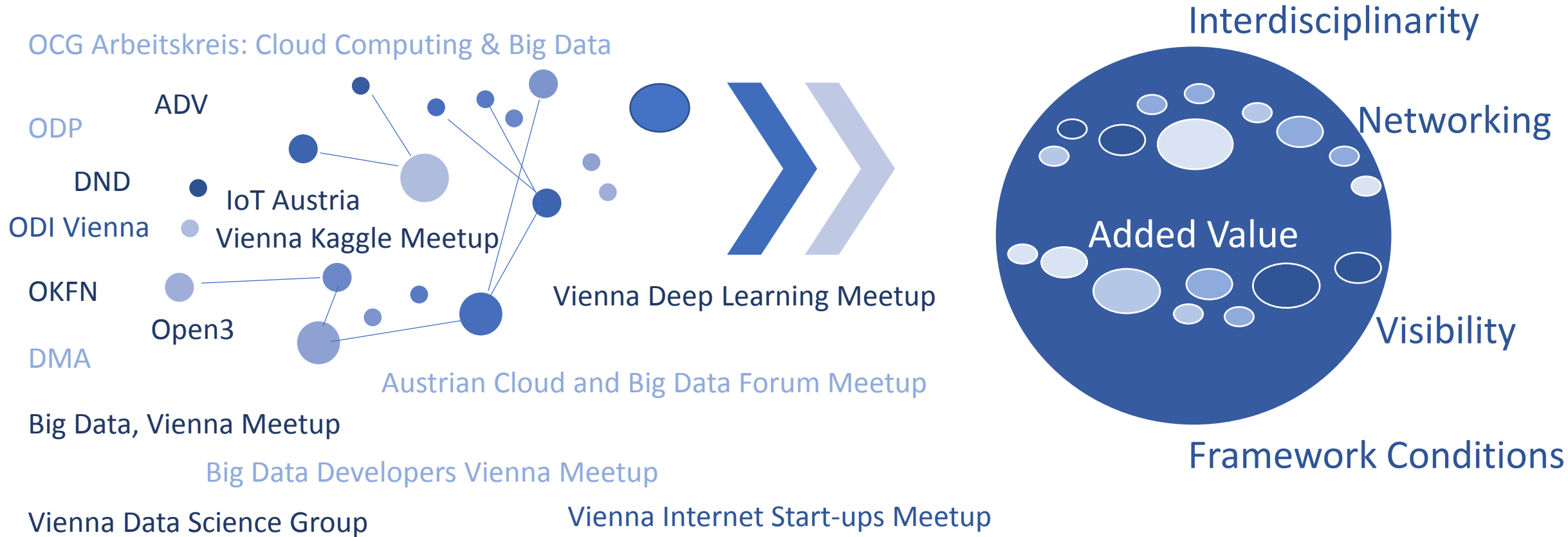
Network Stakeholders

Advantages and Challenges

From “Networked Islands” to “Stakeholder Platform”



Advantages and Challenges



Big Data: Tension between Privacy and Innovation

Public consultation of the Draft of the study

<https://www.discuto.io/en/consultation/29627>



Results at a Glance

Impact of privacy protection (GDPR) on Innovation and Big Data

Social point of view → wanted

Awarenessbuilding: Privacy-Paradox

Economic point of view → interesting

Geopolitical point of view → needed

High priority on privacy protection could be an asset in
positioning Europe: “Great European Pay Wall”



Economic point of view - Innovation

Big Data – GDPR offers room for innovation

Consent, deletion (in complex systems), anonymisation, transparency

fishing in the pond versus consent

Challenges

Uncertainty: Many open questions to be solved (e.g. contradiction deletion and transparency) as soon as possible

We need an explicit horizontal strategy: education, research, funding, legal framework, european cooperations (f.e. MyData)



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THANK YOU