

DATA ACT -

Implications for IoT

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European Strategy for Data and related legislation

Nov 2020

Data Governance Act 4 key instruments

Ensure **TRUST** in data transactions

Public sector data, private sector data and personal data voluntarily made available by data holders

Dec 2020

Digital Market Act Regulate **MARKET POWER**

based on data

PUBLIC GOOD

Personal data and private sector data held by online platforms and originating from the users (both businesses and individuals)

Q4 2021 Impl. Act. High Value Datasets Unleash the socio-economic potential of data as a

Public sector data of high value

Q1 2022 Data Act Ensure **FAIRNESS** in the allocation of data value among the actors of the data economy

Private sector data, personal data and co-generated (IoT) data

Complemented by sectoral legislation

2022
Access to in-vehicle data

Promote a competitive market on car data services, expanding the current legislation on non-discriminatory access to repair data

Existing legislation

Directive 96/9/EC on the legal protection of databases

General Data Protection Regulation – Regulation
(EU) 2016/679





Data Act overview

B2B DATA SHARING

MOSTLY NON-PERSONAL DATA



B2C DATA SHARING

MOSTLY PERSONAL DATA



MOSTLY NON-PERSONAL DATA



DATA INFRASTRUCTURES



Right for users to access the data they generate through a device or service and to allow 3rd parties to access it

Tools to help manufacturers or service providers to control data use (smart contracts, APIs)

Exclusion of machine-generated data from the scope of the database *sui generis* right

Rules for data requests by national and EU bodies in case of public emergencies and specific public interest situations

Compensation rules and safeguards for private sector

Structures to facilitate B2G data sharing + "once-only principle"



Switchability requirement for providers of cloud services

Requirements to prevent unlawful 3rd country data access

Fairness tests for contracts

Contractual transparency

Horizontal access modalities

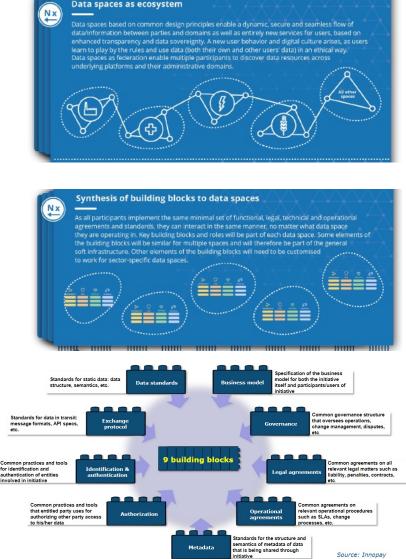


Better cross-sectoral standardisation: legal basis for the Commission to act

OpenDEI: Design Principles for Data Spaces

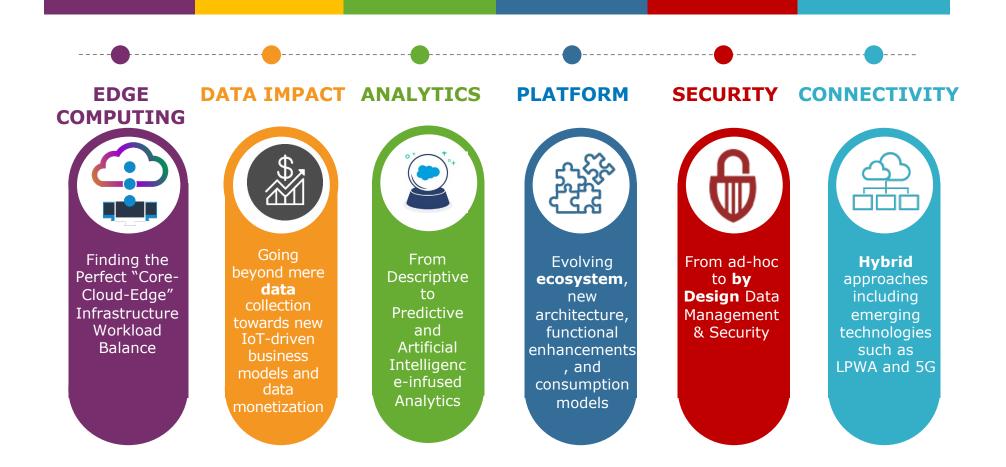
- Principles for Data Governance / Data Sharing:
 - Data Spaces supported by an Ecosystem
 - Synthesis of building blocks
 - Soft Infrastructure
 (9 building blocks)





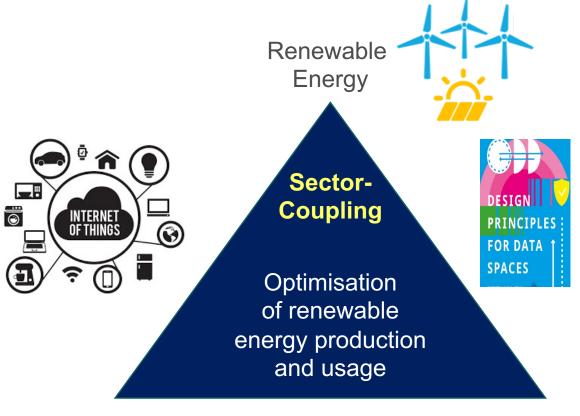
Courtesy: IDSA, InnoPay, **OPEN DEI CSA** https://www.opendei.eu/

Industrial IoT: Where are we heading at?





Visionary use-case for sector coupling: Energy connected to Electromobility and Smart Buildings



Bi-directional EV-charging



Smart Home and Buildings

Delivering a fair and green deal for consumers:

- Market push through e-Mobility
- Efficient integration of renewables
- Integrated smart home/building services through IoT
- Storage / EV batteries to mitigate peak capacity

R&I – Policy space:

- Connected and interoperable x-sector data spaces
- Decentralised intelligence at the Edge (HE Cluster 4)
- AFID regulation
- RED II, Integration of Renewables
- Smart Building Readiness Indicators / new labelling
- International cooperation: Linux Foundation LF Energy, US DoE



THANK YOU

Useful links:

European Data Strategy:

https://ec.europa.eu/digital-single-market/en/policies/building-european-data-economy

BRIDGE Framework:

https://www.h2020-bridge.eu/



- ETIP SNET
- Coordination & Support Action OPEN DEI
 - → https://www.opendei.eu/





