



DATA ACT –

Implications for IoT

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European Strategy for Data and related legislation

4 key instruments

Nov 2020
Data
Governance
Act

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

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 GOOD**

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

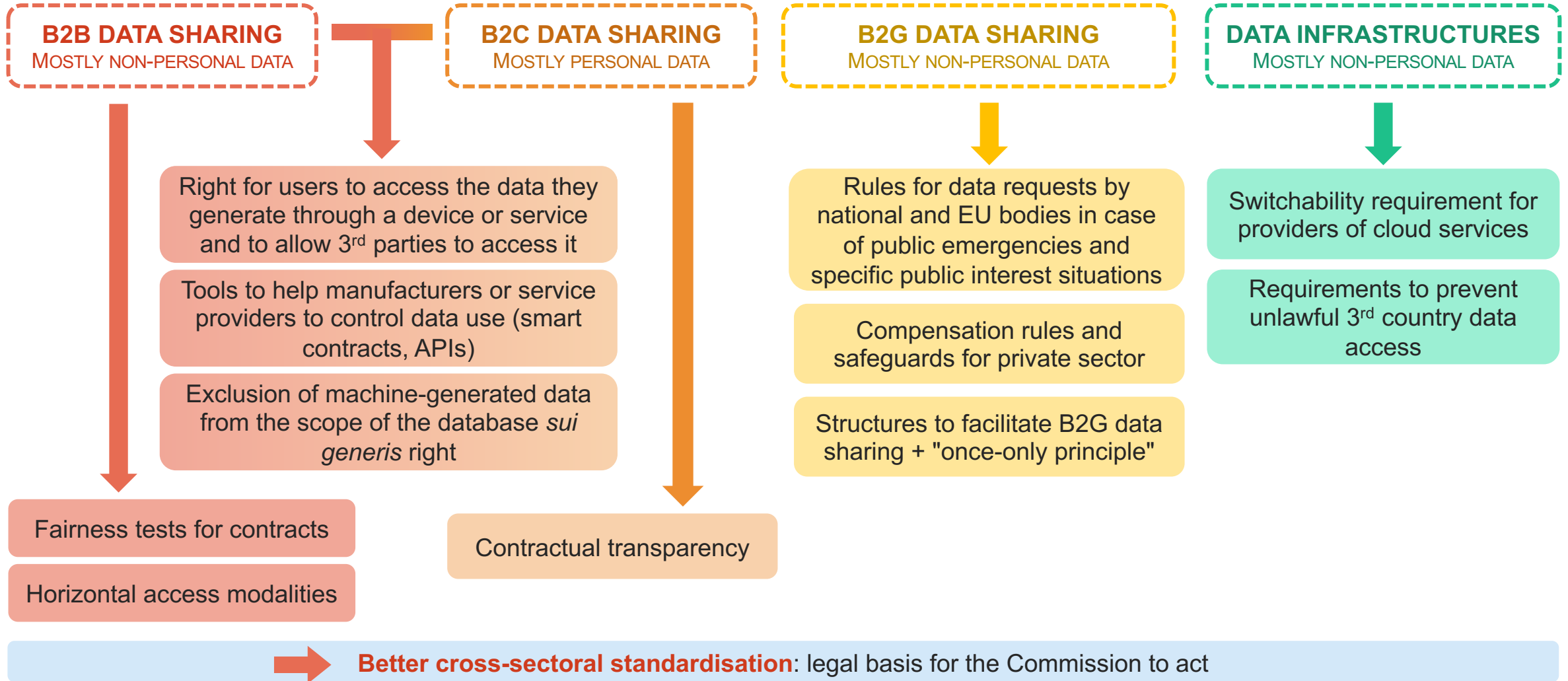
Promote a competitive market on car data services, expanding the current legislation on non-discriminatory access to repair data

Existing legislation

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

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

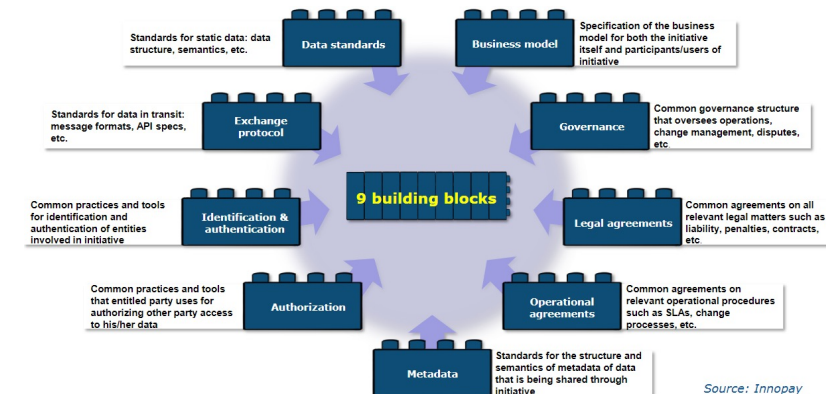
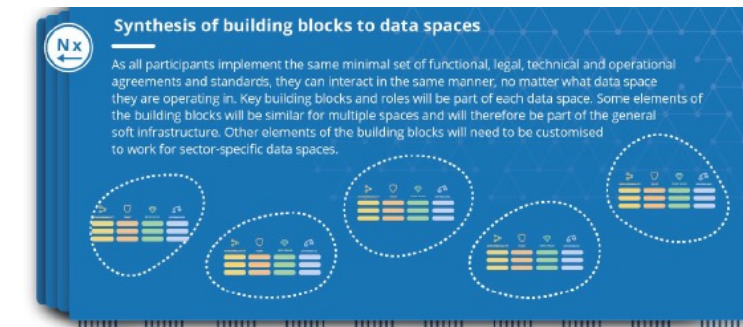
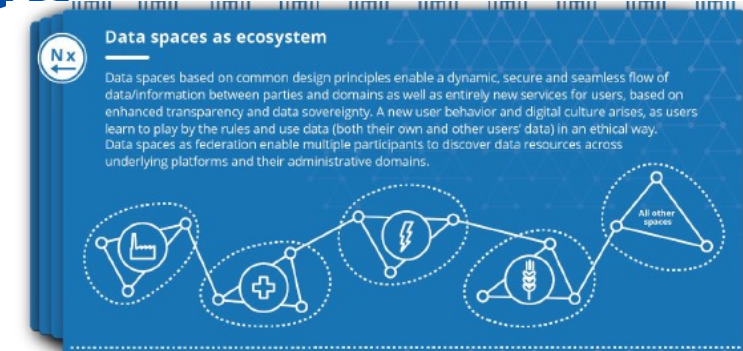
Data Act overview



OpenDEI: Design Principles for Data Spaces

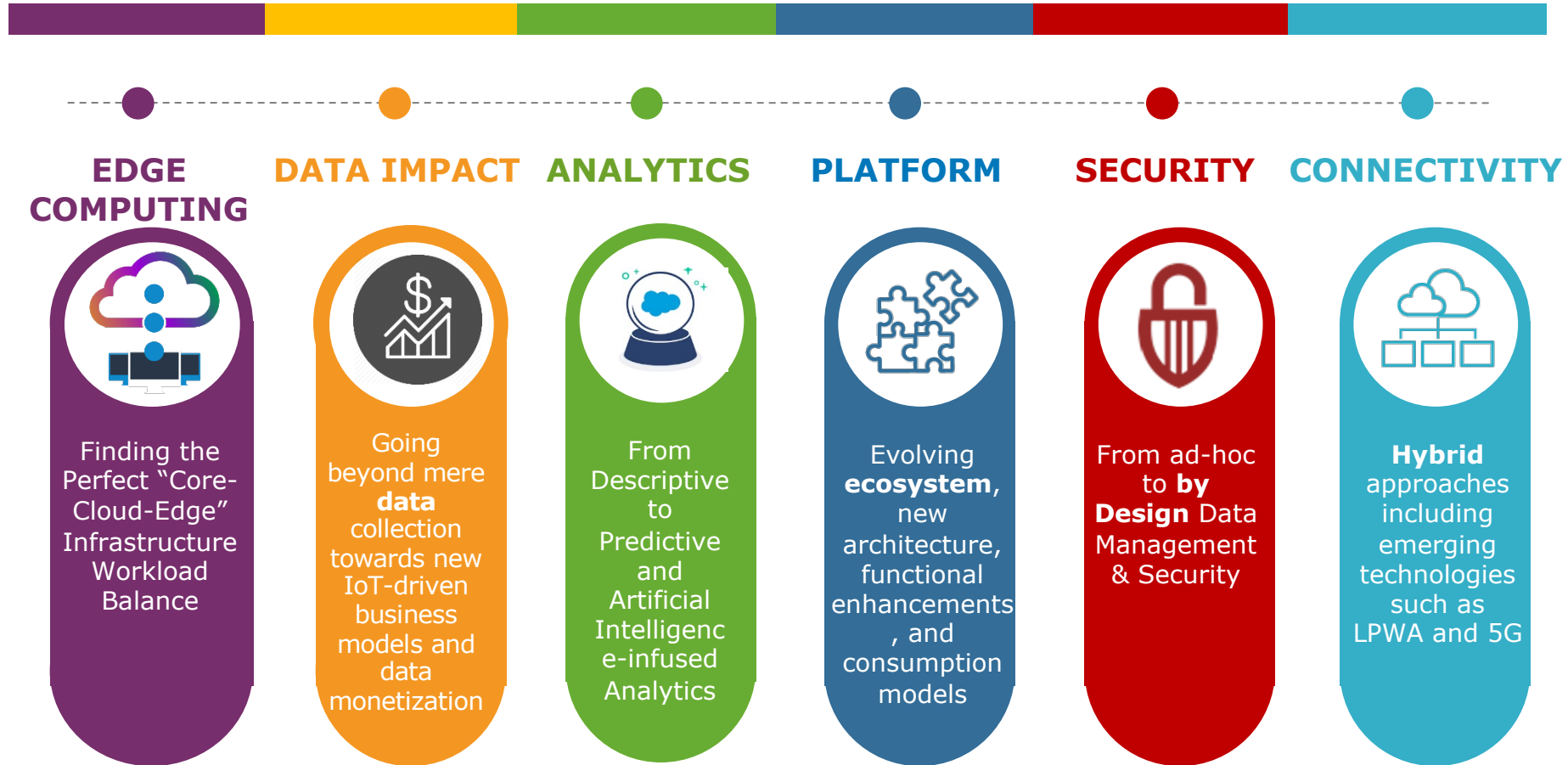
- Principles for Data Governance / Data Sharing:

- Data Spaces supported by an *Ecosystem*
- Synthesis of *building blocks*
- Soft Infrastructure (9 building blocks)

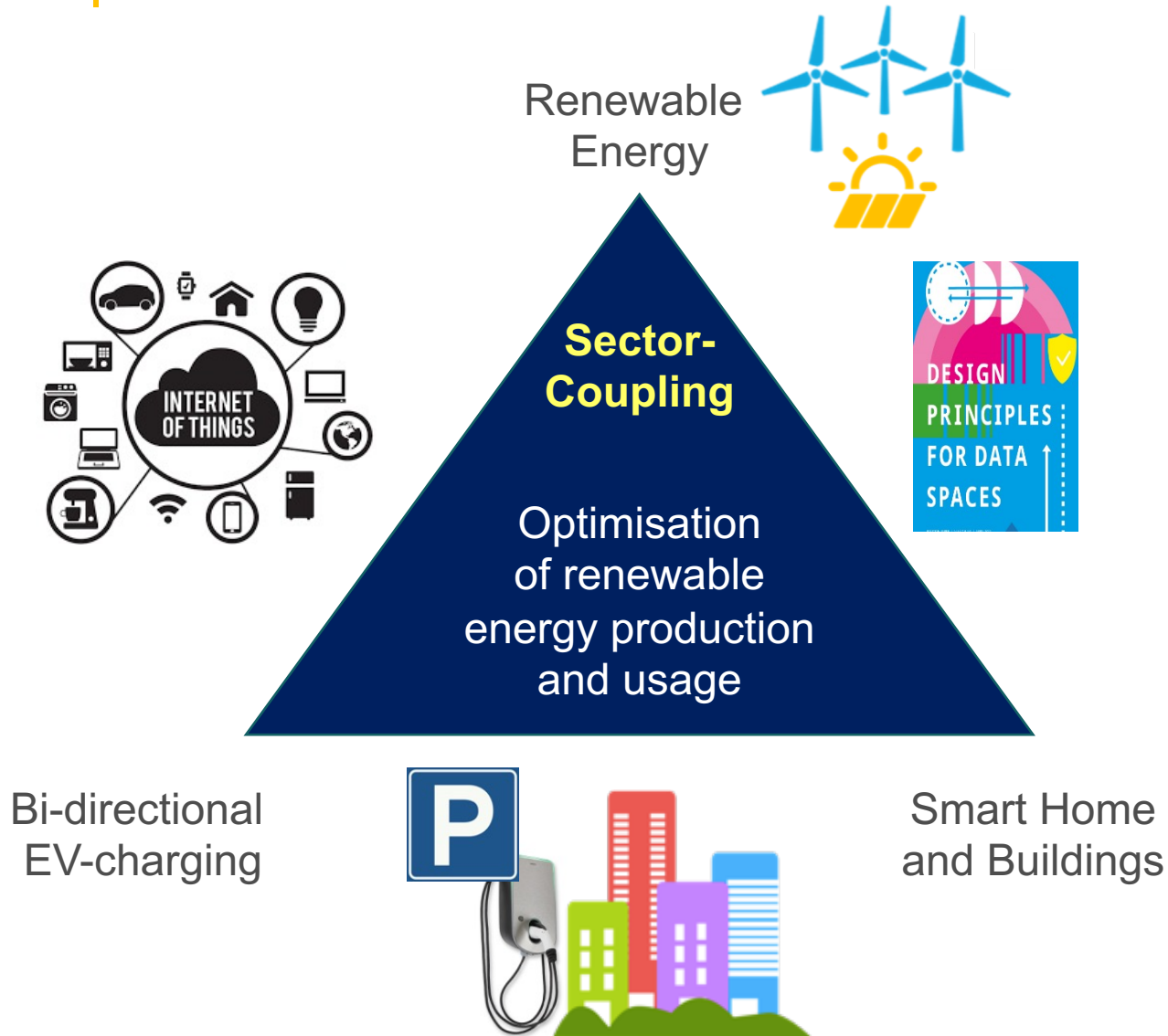


Courtesy: IDSA, InnoPay, **OPEN DEI CSA**
<https://www.opendei.eu/>

Industrial IoT: Where are we heading at ?



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



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/>

- The Alliance of Internet of Things Innovation AIOTI

<https://aioti.eu/news/>

