

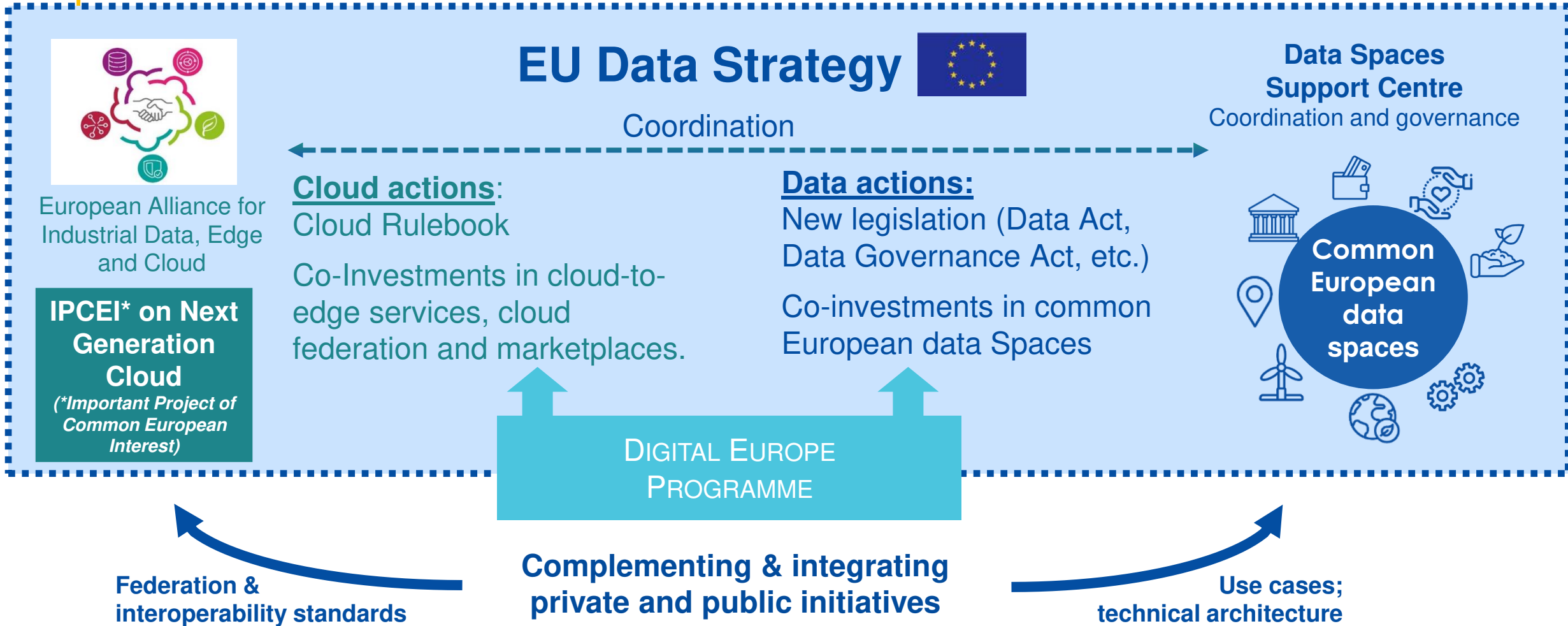


# Cross-sectoral European framework for data spaces

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*10th Florence Intermodal Forum  
25 November 2022*

# The European Data strategy



# Cross-sectoral data policy: some key aspects

## Data Governance Act

Defines **obligations for neutral data intermediaries** to facilitate their development

Creates a **European Data Innovation Board**, in charge of proposing cross-sectoral guidelines for common European data spaces

Adopted on 16/05/2022

Will apply from 24/09/2023



## Data Act

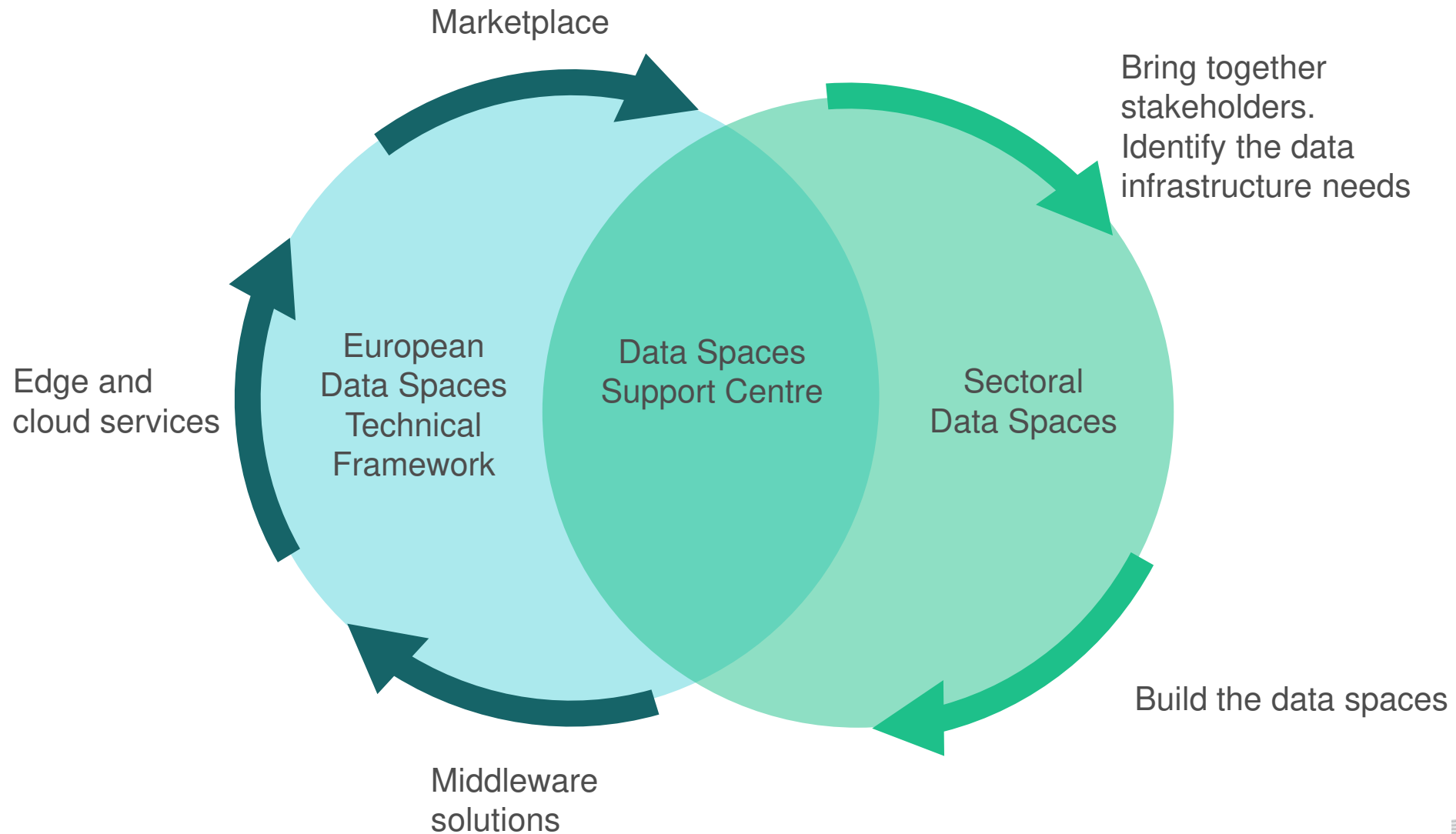
Users can **access data** generated by their connected devices, and give **access to 3<sup>rd</sup> parties**

Public bodies can **use privately held data for emergencies** and exceptional needs

The Commission can adopt **technical specifications** to ensure **interoperability**

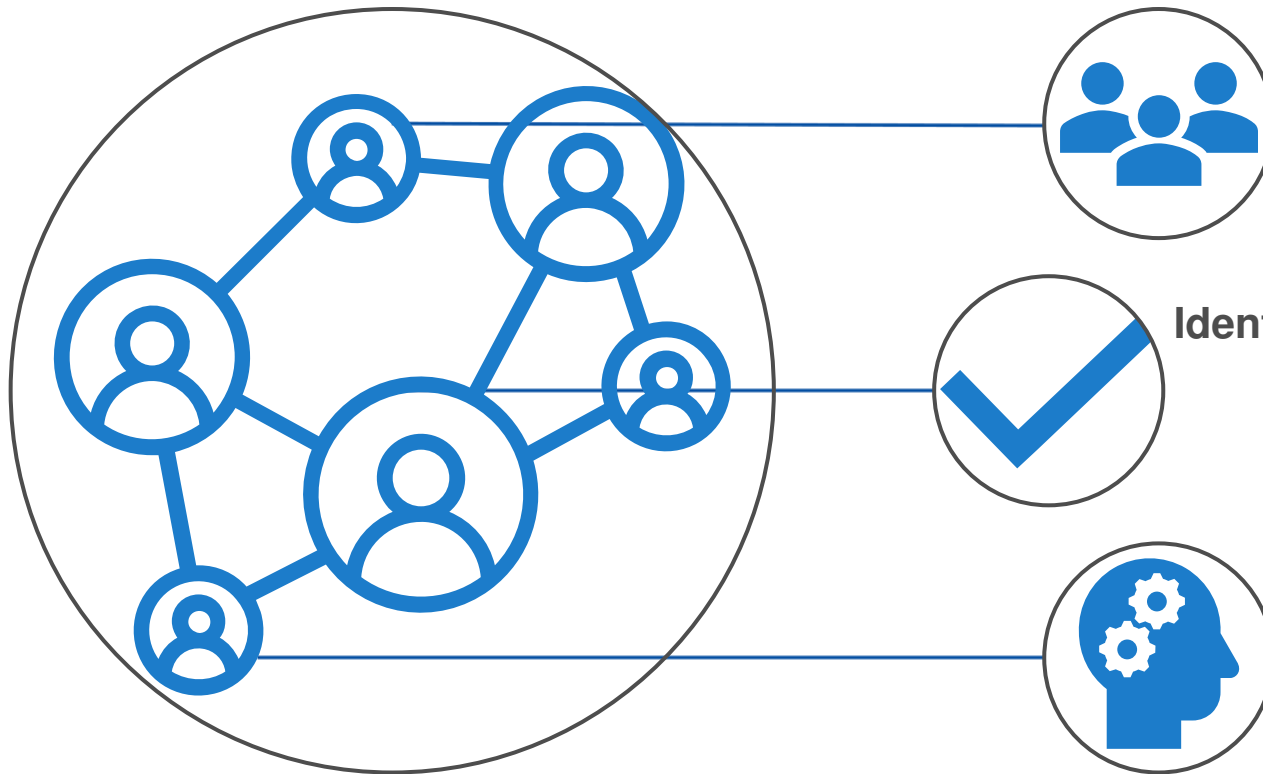
Proposed in Feb. 2022

# Data Spaces deployment in DIGITAL



# Data Spaces Support Centre

Launched in October 2022



## Create a network of stakeholders

- Closely work with CSAs and projects funded under Digital Europe Programme and other European and National Initiatives

## Identify common requirements:

- Support the work of the European Data Innovation Board (set up by the Data Governance Act)

## Create a platform for knowledge exchange:

- Support the deployment of data spaces

# Simpl - Smart middleware for a European cloud federation & the European data spaces



Full Stack, across Edge and Cloud



Baseline for EU common data spaces



Data management and advanced data services



Multi-cloud orchestration



Built-in identification, data security



Business intelligence



Environmental tracking



Tested in use case of public interest

**Preparatory work in view of the procurement of an open-source cloud-to-edge middleware platform**

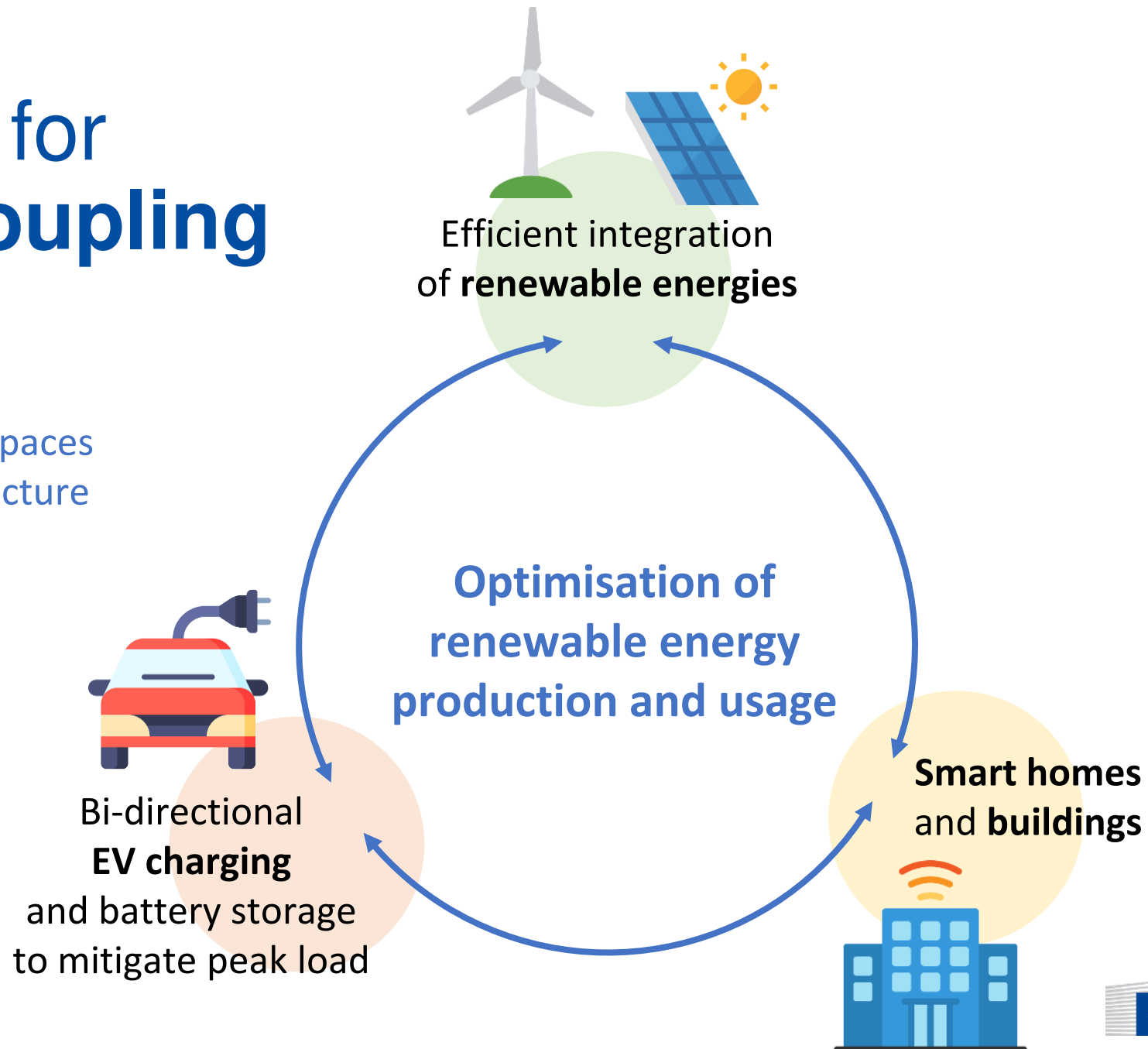
Reports available at: [Simpl: cloud-to-edge federations and data spaces made simple](#)

**Procurement: to be launched**

# Visionary use case for **sector coupling**

## Digital enablers:

Interoperable data spaces  
Cloud-edge infrastructure  
Smart IoT  
Swarm computing  
AI tools



# Thank you



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# Useful links

**European data strategy**

[https://ec.europa.eu/info/strategy/priorities-2019-2024/europe-fit-digital-age/european-data-strategy\\_en](https://ec.europa.eu/info/strategy/priorities-2019-2024/europe-fit-digital-age/european-data-strategy_en)

**Sustainable and smart mobility strategy**

[https://transport.ec.europa.eu/transport-themes/mobility-strategy\\_en](https://transport.ec.europa.eu/transport-themes/mobility-strategy_en)

**DIGITAL Work Programme 2021-2022**

[Work Programmes – DIGITAL \(web page\)](#) and [Main work programme.](#)

**Deployment call - Funding and tenders portal**



[DIGITAL-2022-CLOUD-AI-03-DS-MOBILITY](#)

**Staff working document on data spaces**

<https://digital-strategy.ec.europa.eu/en/library/staff-working-document-data-spaces>

# Reserve slides

# Related sectoral data spaces actions (non-exhaustive)

<b>Energy data space</b>		<b>Preparation:</b> 1 CSA and 4 Innovation actions (pilot projects) under HORIZON (project started summer 2022) <b>Deployment:</b> deployment action under DIGITAL, to start in 2024
<b>Green Deal data space</b>		<b>Preparation:</b> CSA under DIGITAL to bring stakeholders together, define reference architecture and building blocks (call 1)
<b>Smart communities data space</b>		<b>Preparation:</b> CSA under DIGITAL to develop a governance scheme and elaborate a blueprint (start 01/10/2022) <b>Deployment:</b> validation through pilot projects based on blueprint (call opening 29/09/2022)
<b>Tourism data space</b>		<b>Preparation:</b> CSA under DIGITAL to bring stakeholders together, develop a governance scheme and elaborate a blueprint (start Q4 2022)

As well as manufacturing, health, public administration, etc.

# European Strategy for Data - Legislative

## 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

Adopted on 16/05/2022  
Will apply from 24/09/2023

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 (businesses and individuals)

Adopted on 18/07/2022

Q3 2022  
Impl. Act.  
High Value  
Datasets

Unleash the socio-economic potential of data as a **PUBLIC GOOD**

Public sector data of high value

Consultation on draft act closed on 21/06/2022

Feb 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

Proposal on 23/02/2022  
Negotiations ongoing in EP and Council

## Complemented by legislation on AI and online intermediary services

Apr 2021  
Artificial  
Intelligence  
Act

Guarantee the **SAFETY** and **FUNDAMENTAL RIGHTS** of people and businesses, while strengthening AI uptake, investment and innovation across the EU.

Proposal on 21/04/2021  
Negotiations ongoing in EP and Council

Dec 2021  
Digital  
Services Act

Set common rules on intermediaries' **OBLIGATIONS** and **ACCOUNTABILITY** to facilitate the provision of online services across borders and protect consumers.

Approved by EP on 5/07/2022  
Planned adoption by Council in Sept. 2022

# Data Act: Scope of rights and obligations

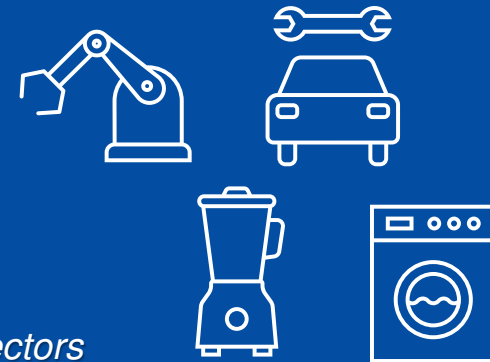
## Better access to IoT data

Manufacturers of IoT objects need to allow access & can use the data

Users of IoT objects get right to access and port data

3<sup>rd</sup> parties can use the data to offer services (SMEs get special conditions)

*Rules for IoT data also frame data sharing in other sectors*



## Tackle contractual unfairness



Companies are prohibited from unilaterally imposing unfair contractual clauses related to data sharing on SMEs

## Make business data available for the common good



Companies must make data available to public sector bodies in case of emergencies and other exceptional needs

## Easier switching between cloud services



Cloud service providers must ensure easy switching conditions for customers



## Facilitate data flows through technical standards and interoperability

The European Commission may adopt technical specifications if necessary to ensure interoperability