Internal use

URBANMOBILITY DAYS2023

Towards a Common European Mobility Data Space (EMDS)

European Commission

Sevilla.

UE23

Internal use

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Towards a common European mobility data space (EMDS)

DG MOVE

European Commission

5 October 2023

At the crossroads of two EU strategies

Data Strategy

Establish a single market for data. Enable data sharing and establish fair and clear rules on data use and access.

Sustainable and Smart Mobility Strategy (SSMS)

Ensure that the EU transport sector is fit for a clean, digital and modern economy.

→ A **common European mobility data space (EMDS)** facilitating access, pooling and sharing of data from existing and future transport and mobility data sources.

European Commission

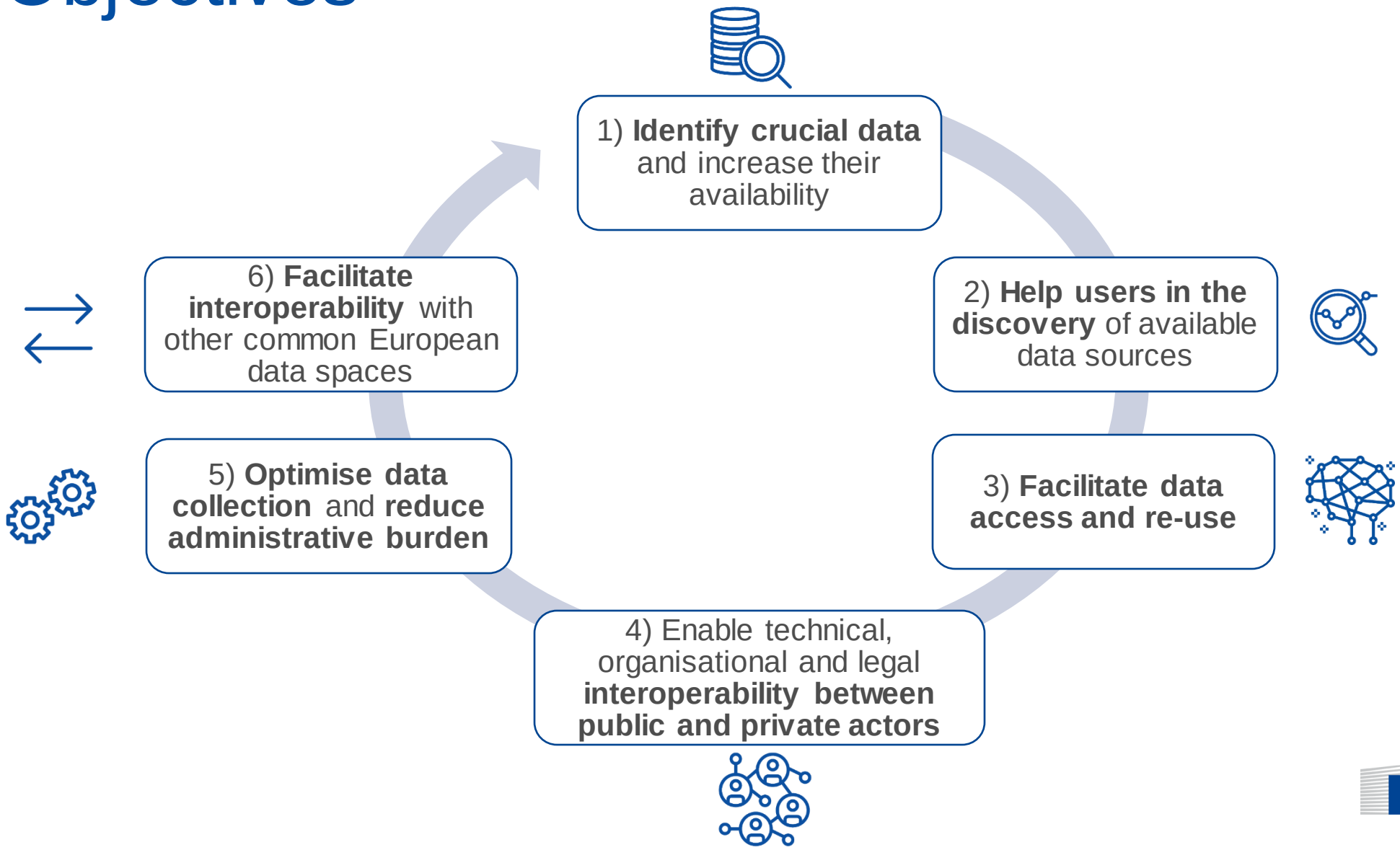
Challenges of mobility data sharing

Reluctance to share data: security, competition concerns, lack of trust

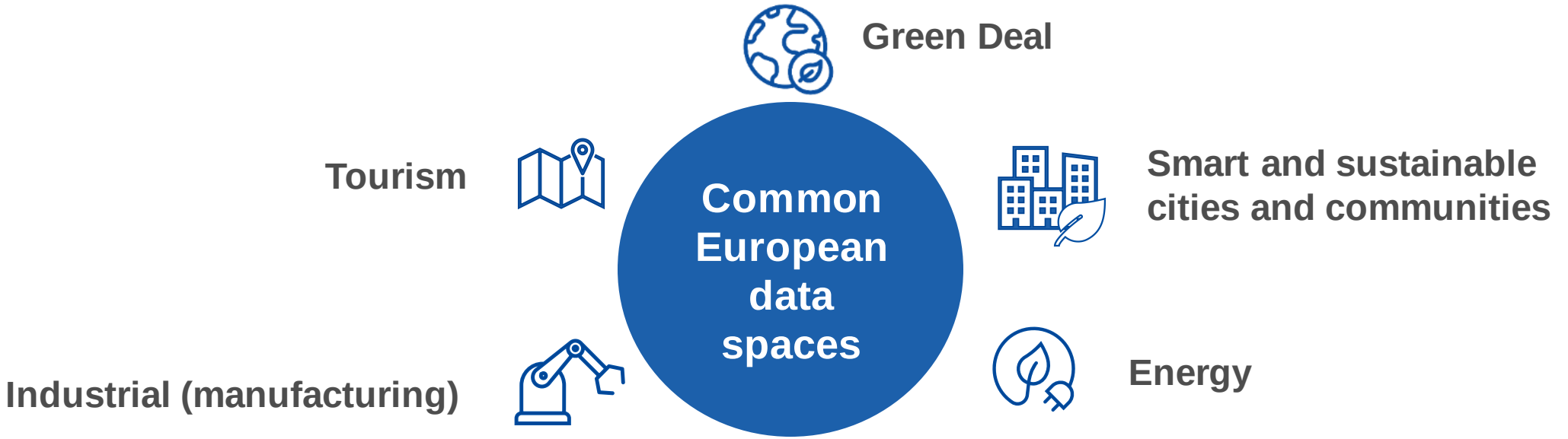
Heterogeneity and diversity of stakeholders, transport modes, data types, etc.

Fragmentation, lack of access and interoperability

Objectives


1) **Identify crucial data** and increase their availability
2) **Help users in the discovery** of available data sources
3) **Facilitate data access and re-use**
4) Enable technical, organisational and legal **interoperability between public and private actors**
5) **Optimise data collection** and **reduce administrative burden**
6) **Facilitate interoperability** with other common European data spaces

Other relevant common European data spaces and initiatives



Data Spaces Support Centre
Coordination and governance

SIMPL
open-source cloud-to-edge middleware platform

European Commission

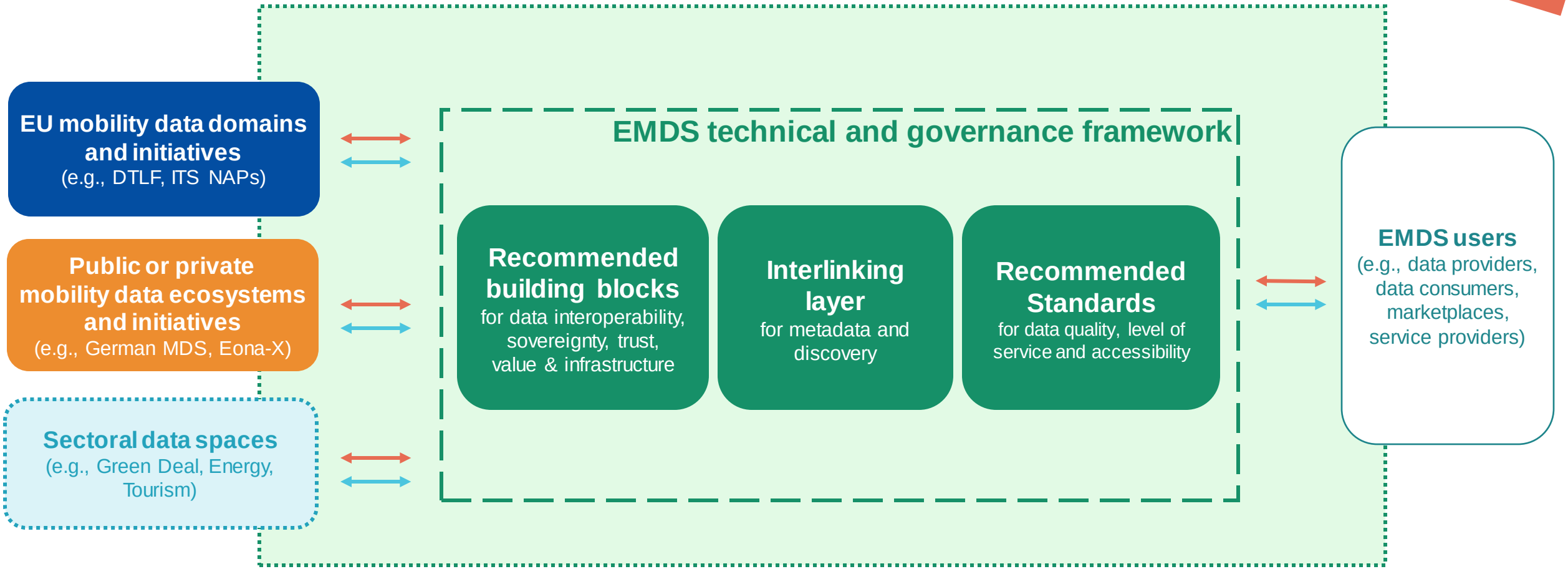
Internal use

Use cases and their added value for the mobility transition ahead

- **Increasing the efficiency of the logistics sector** at EU level
- Supporting local authorities with their **sustainable urban mobility plans (SUMPs)**
- Implementation of **urban vehicle access regulations (UVARs)**
- Boosting cross-border passenger & freight **multimodality**
- Facilitating access to **electromobility** data at EU level

EMDS framework

Envisioned concept



data access/sharing

metadata flows

European Commission

Actions supporting the common European mobility data space

Preparatory action
Digital Europe Programme

12 months Coordination & Support Action (1/10/2022-1/10/2023)

→Map existing mobility data ecosystems

→Recommend first common building blocks

Deployment action
Digital Europe Programme

Call closed on 24/01/2023

Planned start Q4 2023

→Deployment of mobility data sharing use cases related to traffic and urban mobility indicators

Technical assistance
Connecting Europe Facility

Technical assistance study to be launched in Q4 2023

Followed by a deployment action in 2025 (TBC)

→Focus on the interlinking layer, further definition of building blocks and interoperability (TBC)

- Building on the **Data Spaces Support Centre** and **SIMPL**

European Commission

Initiative for a Communication

Goal: **publicly announce the objectives and proposed way forward** for the creation of the common European mobility data space.

Supported by a Call for Evidence and stakeholder input, e.g.:

- 10th Florence Intermodal Forum (25/11/2022)
- PrepDSpace4Mobility Workshops
- Public Workshop organised by DG MOVE (16/02/2023)

Thank you

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European Commission

Useful links

European data strategy
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

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

PrepDSpace4Mobility (mobilitydataspace-csa.eu)

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

Consultation – Communication on common European mobility data space
Have your say - creating a common European mobility data space

Germany: Mobility Data Space and Mobilithek (National Access Point)

Mobility Data Space
Data Sharing Community

Share data and shape innovative digital mobility services!

Services for traffic and infrastructure planning

Innovative, digital mobility services

A digital space for all public and private mobility data

Mobility Data Space

mobilithek

Provide data!

Delivery of data based on regulatory obligations

Open Data approach and closed licenses

Delivery of static and dynamic mobility data

Connection of Mobilithek to the MDS (since July 2023)

Data offering of the Mobilithek searchable and accessible in the MDS

Mobility Data Space supports data provisioning obligations and increases discoverability

Sensitive data (public & private)
Metadata discoverability
Peer-to-peer data sharing

Open data
Direct access
to resources

Restricted Use

Internal use

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