



Creation of a common European mobility data space (EMDS)

*European Commission
Solid Community Meeting
Ghent, Belgium - June 17, 2024*

Digitalisation of transport

- Digital technologies and networks are key enablers for an efficiently functioning, affordable, sustainable and safe mobility and transport

Road Transport

- Revised ITS Directive
- Smart tachograph
- Revised Directive on electronic tolling (EETS)

Waterborne

- European Maritime Single Window environment (EMSWe)
- Revision of the river information services (RIS) Directive
- Vessel Traffic Monitoring Directive

Rail

- European Railway Traffic Management System (ERTMS)
- Register of railway infrastructure (RINF)
- Technical specifications for interoperability (TSIs)

Aviation

- Data4Safety
- Single European Sky ATM Research (SESAR) project
- Drone Strategy 2.0

Multimodal mobility and logistics

- Alternative Fuels Infrastructure Regulation (AFIR)
- Revised Delegated Regulation on multi-modal travel information (MMTIS)
- Multimodal digital mobility services (MDMS)
- Electronic Freight Transport Information Regulation (eFTI)
- Digital Transport and Logistics Forum (DTLF)



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)



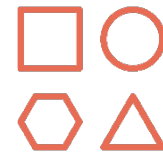
Ensure that the EU transport sector is fit
for a clean, digital and modern economy.

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

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

EMDS Communication (COM(2023) 751 - adopted Nov 29, 2023)

- It outlines the Commission's proposed way forward for the creation of a common EMDS, including its **objectives, main components, supporting measures and milestones**.
- The Commission is seeking to promote the exchange of information on this topic, as well as collaboration more generally.



Use cases and their added value for the mobility transition ahead



Increasing the efficiency of the **logistics sector**



Implementation of **urban vehicle access regulations (UVARs)**



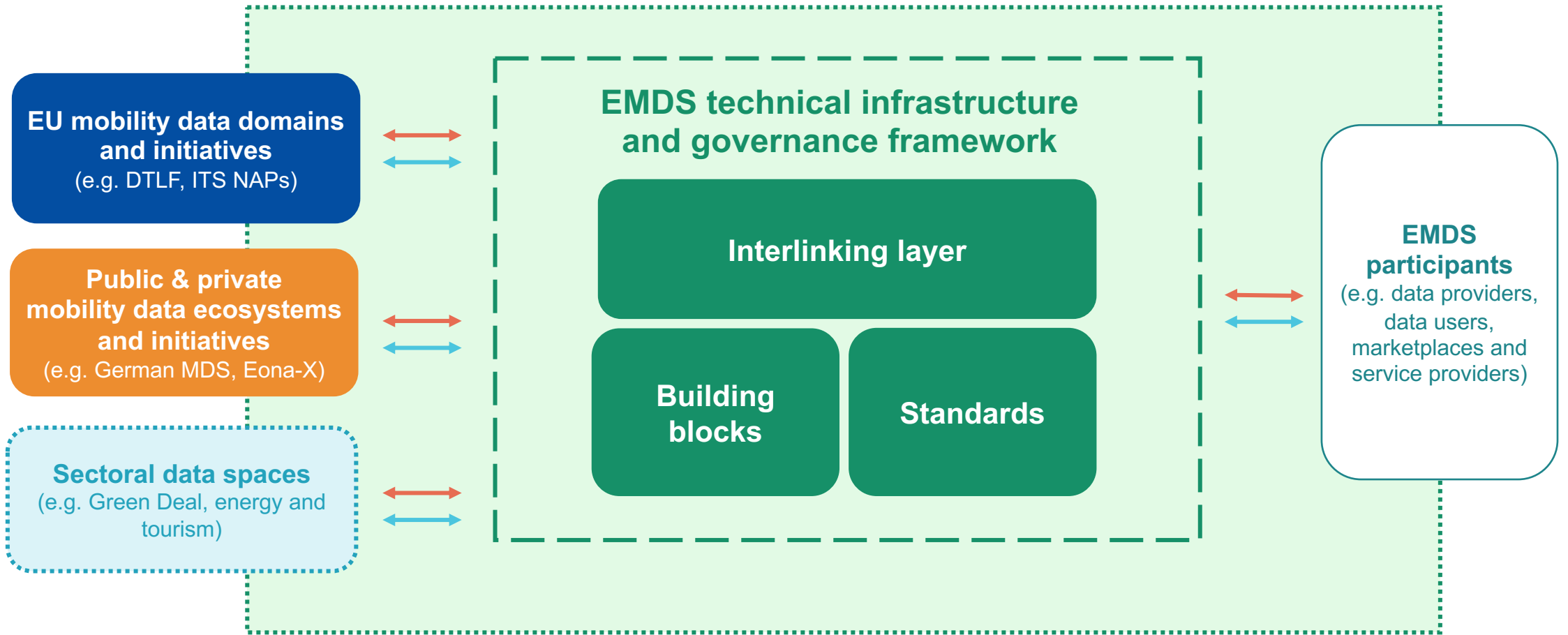
Boosting cross-border passenger & freight **multimodality**



Facilitating access to **electromobility** data

EMDS framework

Envisioned concept



→ data access/sharing

→ metadata flows

Actions supporting the common European mobility data space (1/2)



Preparatory action Digital Europe Programme

12 months coordination & support action:

[PrepDSpace4mobility](#)

Oct 2022-Sept 2023

→ Map existing mobility data ecosystems

→ Recommend first common building blocks



PrepDSpace4Mobility

Deployment action Digital Europe Programme

36 months deployment action: [deployEMDS](#)

Kick-off Nov 2023

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



Technical assistance Connecting Europe Facility

12 months study

Kick-off Jan 2024

Followed by a deployment action in 2025 (TBC)

→ Focus on the **governance, interlinking layer** and further definition of building blocks and **interoperability**



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

Actions supporting the common European mobility data space (2/2)



Proof-of-Concept

Digital Europe Programme

6 months PoC

Kick-off Jan 2024 

→ Focus on how **personal data** are managed in the EMDS framework, through a **multimodal use-case**

→ Looking for **local authorities and transport operators** to test the PoC



Multi-country projects

Digital Europe Programme

First call will be:

- published Feb 13, 2024 

- open Feb 29-May 29, 2024 

→ Support the establishment of a **lasting collaboration structure**

→ Support the deployment of **cross-border use cases** in different areas

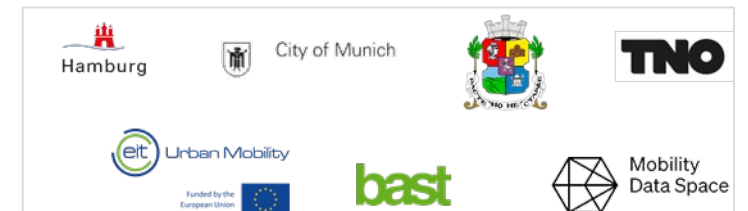
- Building on the **Data Spaces Support Centre** and **SIMPL**

deployEMDS

- **36 months** (Nov 2023 – Oct 2026)
- **EUR 8 million** (funded under the Digital Europe Programme)
- **38 beneficiaries** (cities, regions, technical & domain expertise) | **7 associated partners**
- 1 kick-off event (Barcelona), 1 inception meeting, 9 webinars on planned use-cases
- 2 workshops on governance of data spaces and of urban mobility data
- Creation of two networking and collaboration groups:
 - Network of Follower Cities and Regions
 - Innovation and Scaling Group



Associated Partners

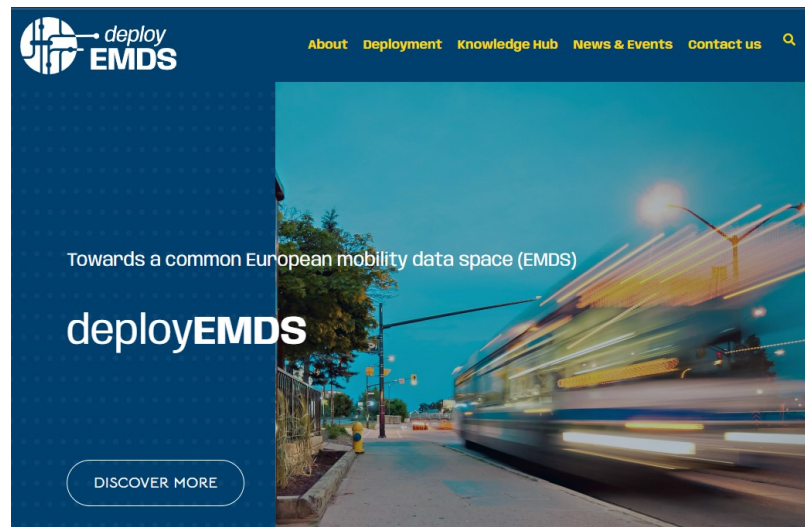


Open also to [participating countries](#) in the Digital Europe Programme



deployEMDS

- **45 European partners** deploy a functioning technical infrastructure for the EMDS
- across **9 European cities/regions**
- addressing **use-cases** that focus on **traffic** and **urban mobility** indicators
- For more info: <https://deployemds.eu/>



Mobility and Logistics Data EDIC

European Digital Infrastructure Consortium (EDIC): new **mechanism to implement Multi-Country Projects (MCP)** created by the [Digital Decade Policy Programme 2030](#)

Ongoing preparation of a possible **Mobility and Logistics Data EDIC** to ensure long term sustainability of common data infrastructure and promote large scale adoption. Proposed scope:

- Allowing the **coordination** and **alignment** on common standards among its members.
- support the **implementation of cross-border use cases** under a coherent approach

Preparation of an application by the **Netherlands** (host), **Germany, Finland, Spain, Austria, Slovakia, Italy** (new), **France** (observer), **Luxembourg** (observer - new), and **Bulgaria** (observer - new) and closely followed by the EC. Other Member States, regions and organisations showed interest.

Application planned by the Members States for Q3 2024.

Next steps

- Follow-up on the **EMDS Communication**
- Evaluation of the **DIGITAL WP 2024 proposals** (June-July 2024)
- Completion of the **PoC** on how personal data are managed in the EMDS framework (July 2024)
- Review **Mobility and Logistics Data EDIC** material and application (ongoing)
- Review of the EMDS **technical assistance study** deliverables (ongoing)
- Review of the **deployEMDS** preliminary deliverables (ongoing)
- Define terms of reference for the **deployment action of the interlinking layer** (Q4 2024)

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

Sustainable and smart mobility strategy

https://transport.ec.europa.eu/transport-themes/mobility-strategy_en

DIGITAL Work Programme 2024

[Funding & tenders \(europa.eu\)](#)

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](#)