



Creation of a common European mobility data space (EMDS)

European Commission
June 2025

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.

Other relevant common European data spaces and initiatives



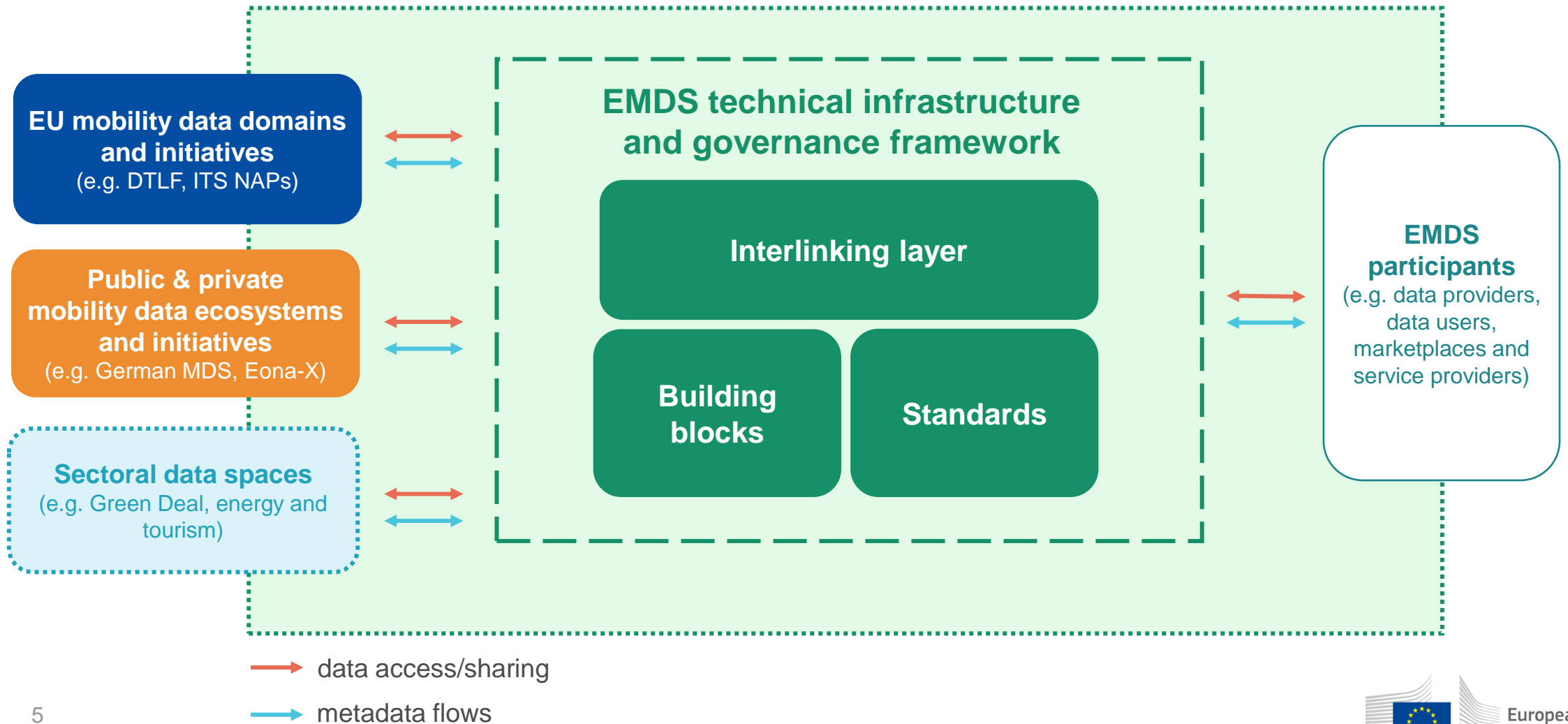
EMDS Communication ([COM\(2023\) 751](#) - [adopted Nov 29, 2023](#))

- 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.



EMDS framework

Envisioned
concept



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](#)

Nov 2023 – Oct 2026 ...

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



Technical assistance Connecting Europe Facility

15 months study

Jan 2024 – Mar 2025 

Followed by a deployment action in 2025 (planned Q1)

→ 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)



New

Simpl feasibility study Digital Europe Programme

9 months study

Kick-off Jan 2025 ✓

→ Evaluate and guide the
Simpl-Open integration to
EMDS through a fit-gap
analysis

More about Simpl:



TBC

Multi-country projects Digital Europe Programme

- published Feb 13, 2024 ✓
- open Feb 29-May 29, 2024 ✓
- planned kick-off Q2 2025 (TBC)
- Support the establishment of a
lasting collaboration structure
- Support the deployment of
cross-border use cases in
different areas

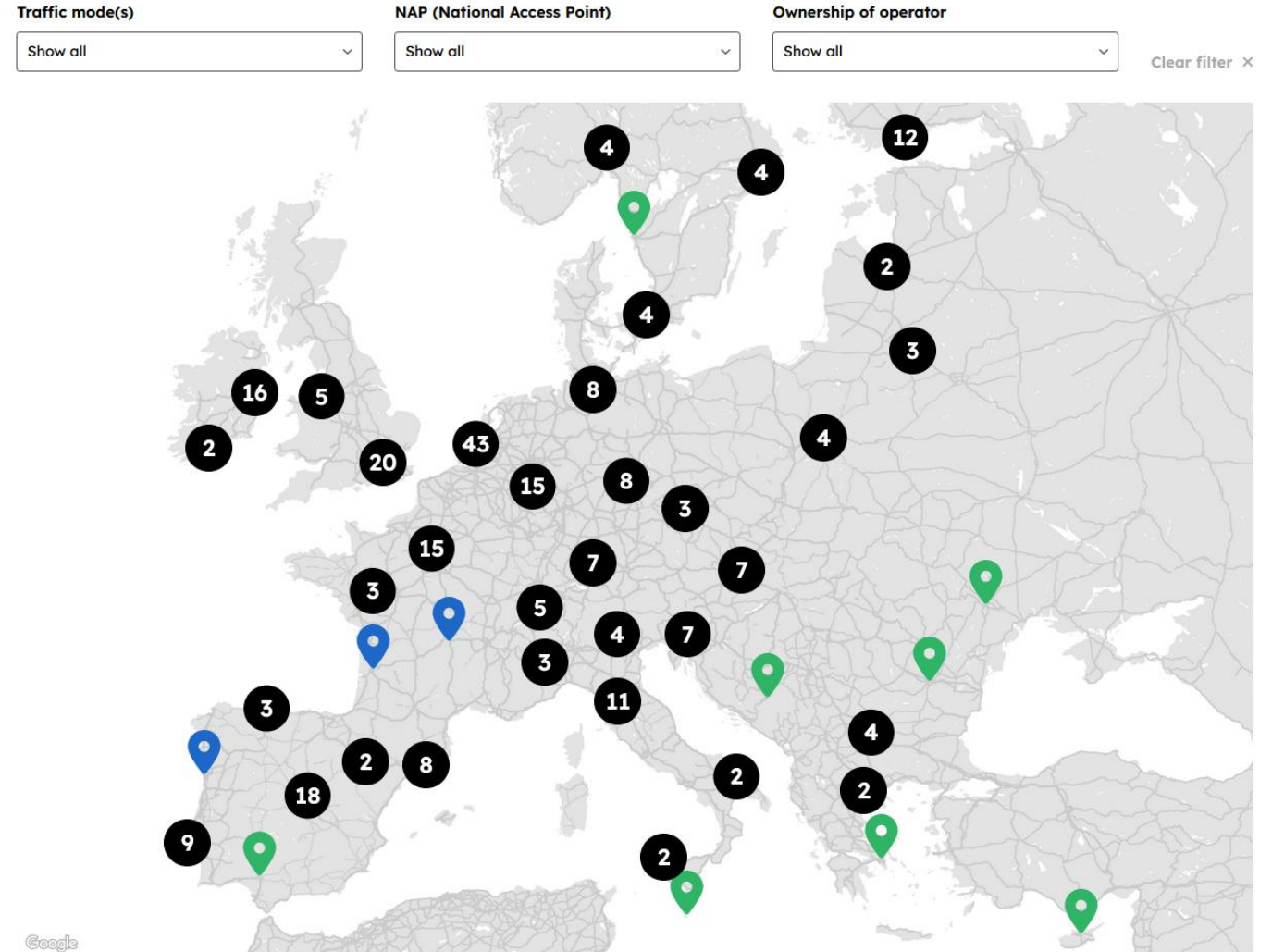
- Building on the **Data Spaces Support Centre** and **Simpl**

PrepDSpace4mobility - Mapping of ecosystems

- Looked at **426** initiatives, ecosystems and platforms.
- **272** data ecosystems matched the relevance criteria and are included in the inventory of data ecosystems.



<https://mobilitydataspace-csa.eu/inventory/>



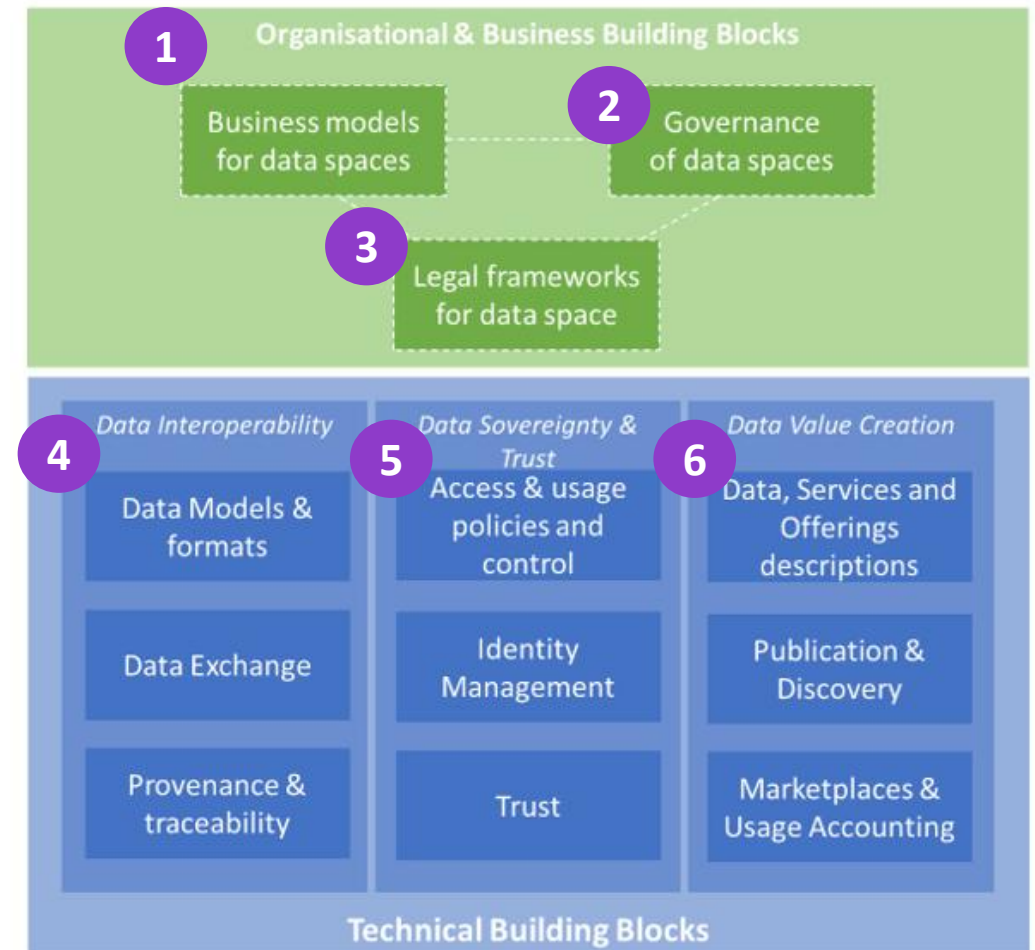
PrepDSpace4mobility - Building blocks

- 1 Business and Funding Models
- 2 Governance
- 3 Legal

Technical Grounding & Ref. Architectures

- 4 Data Interoperability
- 5 Data Sovereignty and Trust
- 6 Data Value Creation

Based on the DSSC building block taxonomy:

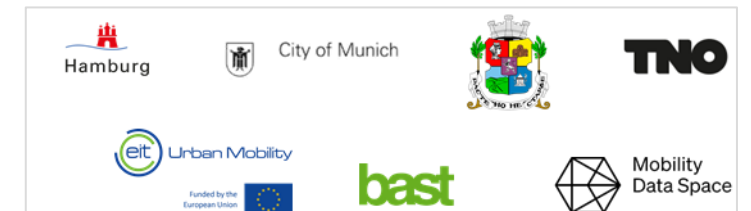


deployEMDS

- **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**
- Creation of two networking and collaboration groups:
 - Network of Follower Cities and Regions
 - Innovation and Scaling Group

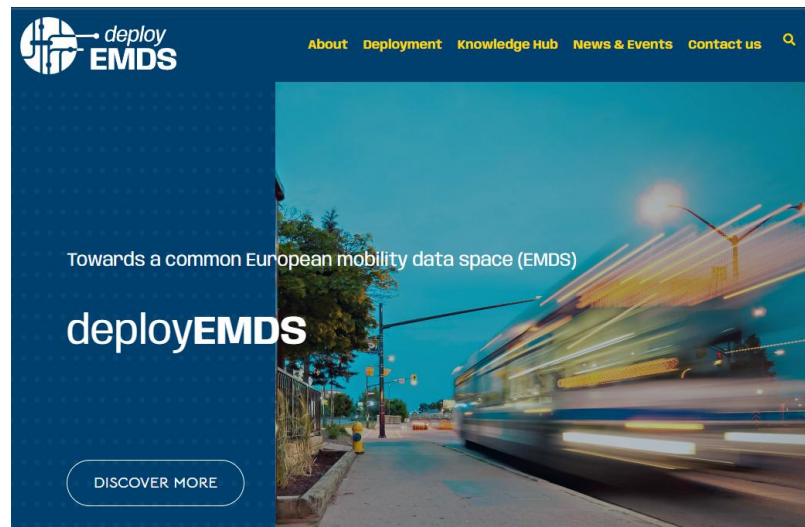


Associated Partners



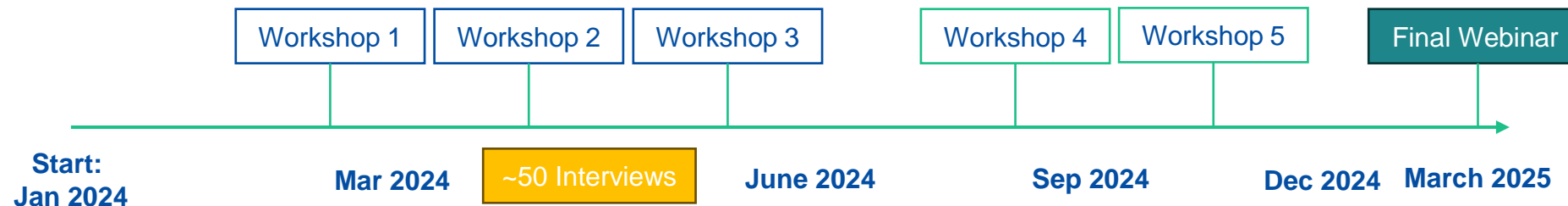
deployEMDS

- **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/>

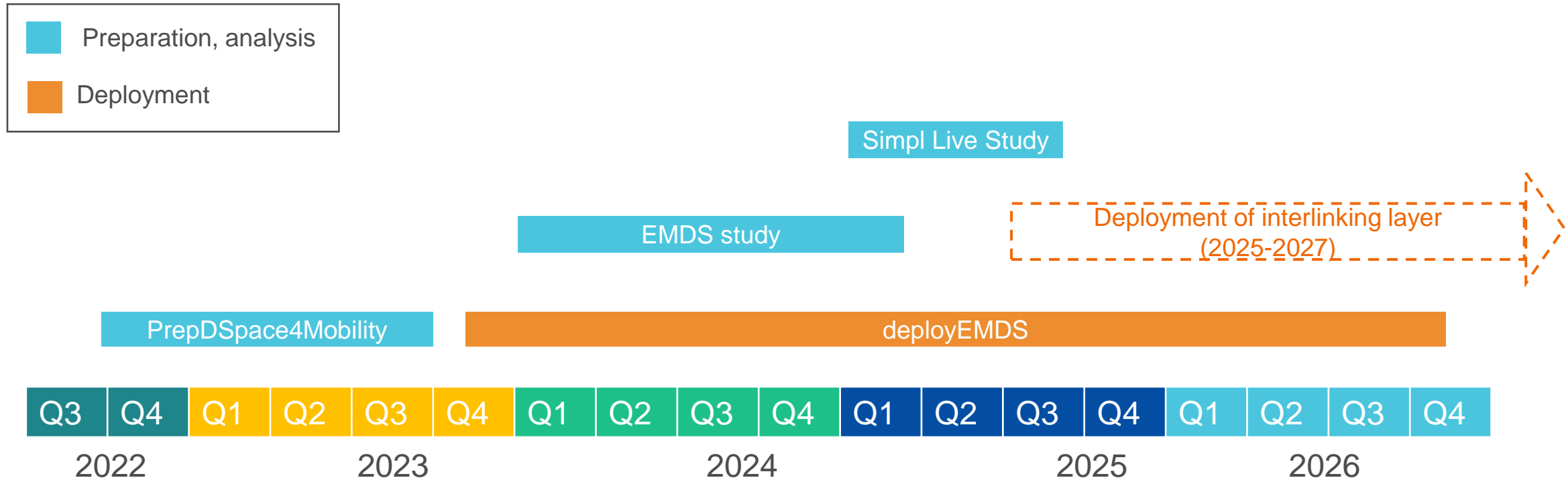


EMDS technical assistance study

- **15 months** (Jan 2024 – Mar 2025) - **EUR 500,000** (funded under the CEF)
- Consortium with **3 partners**
- Tasks:
 - 1 – analysis of the **technical and governance dimension** of the EMDS framework
 - 2 – analysis with specifications and recommendations for the creation of an **interlinking layer**
 - 3 – specifications and recommendations for potential **participants to interlink and exchange data through the EMDS framework**



Timeline for the EMDS actions



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](#)