

Mobility Data Space (MDS)



Mobility
Data Space

Nature of the Initiative	National Project Data Space	
Mission	To connect those who offer data with those who need it to develop new business models.	
Sector(s) addressed	Mobility	
Leading organisation	Supported by Datenraum Mobilität GmbH, a non-profit company funded by the Federal Ministry for Digital and Transport (BMDV).	
Members (approx.)	+200 in addition to key shareholders	
Founded (Year)	2019	
Web (URL)	https://mobility-dataspace.eu/	
Social Media Presence	LinkedIn Twitter - X YouTube	
Relevance for Industry 4.0	Key role in Smart mobility solutions development, aligned with the principles and technologies of Industry 4.0.	
Key Information	Levels	Important Links
Data Space Functional & Technical Specifications	★★	GitHub
Data Space Governance	★★★★	Document Library & press and media
Data Space Demonstration	★★★★★	Events and fairs
Data Space Adoption	★★★★★	Use cases Data Catalogue (Data Offering, EDC Connector, CaaS)
Connected Data Space 4.0 Initiatives	Eona-X / Catena-X / GAIA -X	
Additional Information		
Contact (Name/E-mail)	Contact form Julius Meyer, Customer Relationship, community@mobility-dataspace.eu Catrin Schlatmann, Marketing, Communications, Fairs & Public Relations, press@mobility-dataspace.eu	

What is the Mobility Data Space (MDS)?

The Mobility Data Space (MDS) initiative is aimed to creating an open ecosystem for exchanging mobility-related data in Europe. The community brings together experts from start-ups, SMEs, public transport, and others, offering them a wide range of data and direct contact with numerous groups, networking, and events.

Based on equal rights and data sovereignty, the Mobility Data Space is a **data marketplace ecosystem** supporting user-friendly, creative, and ecologically friendly mobility concepts. The platform is defined by transparency, European data protection requirements and privacy regulations, and member autonomy.

Founded by the Germany Federal Ministry for Digital and Transport back in **2019**, in 2021 the MDS (DRM Datenraum Mobilität GmbH) holding company was founded, with the main task to develop and manage the technical and commercial aspects of the Mobility Data Space.

What kind of data does it offer?

- Traffic Information → accidents, hazardous braking, traffic flow data, danger spots, ...
- Parking Information → parking search time, standstill data (SSD), bundled parking data Baden-Württemberg, ...
- Weather Information → slippery roads, rainfall radar, air quality, ...
- Fuel Price and Electromobility → charging point, power consumption and charging demand, EV Vehicles profiles data (EVP), ...
- Others

In the MDS website we can find other information related to the data [catalogue](#)

Need of the Mobility Data Space

The MDS addresses key needs and offers benefits in the urban mobility and transportation fields. High quality data is key for data integration, innovation, interoperability, sustainability, and efficient transportation planning. Innovations and solutions are also provided through this data space.

Benefits of the Mobility Data Space

The MDS is a trusted space to exchange **secure and transparent data**. Its decentralised structure allows members to always enjoy accurate data and sovereignty, deciding for themselves with whom they are sharing it with. The ecosystem acts as a marketplace to benefit from the data sharing community – providing networking and business opportunities – and since it is so diverse, members benefit from each other's experiences and resources.

Other benefits that the Mobility Data Space brings are: enhancing user experience, better decision-making and/or sustainability and environmental impact.

Data providers have full sovereignty over their data and are permitted to refuse specific actors access their data.

Participants

The MDS is opened to all organisations working on mobility solutions (road, oil, rain, water sectors) like public transport, navigation software or bikeshare providers.

There are more than 200 stakeholders, from science, industry, and public administration. We find DHL Group, Volkswagen, Caruso Dataplace and Here Technologies, among others.

- [Members](#)
- [Use cases](#)

Relationship with GAIA-X

The MDS is one of the seven [Lighthouse Projects](#), part of the Gaia-X family, i.e., interoperable data spaces.

The Mobility Data Space (MDS) functions as a marketplace facilitating the exchange of mobility & logistics data, catering to both business-to-business (B2B) and business-to-government (B2G) interactions. Furthermore, the MDS also develops sector overarching use cases, interlinking, e.g., the mobility sector with energy, weather, and/or urban planning. The German National Academy of Science and Engineering (acatech) is the founder and majority shareholder of the DRM Datenraum Mobilität GmbH – the operating company of the Mobility Data Space.

Mobility Mobility Data Space (MDS)



Image 1 Gaia-X Lighthouses

Interesting links

- [Mobility Data Space](#) (Fraunhofer IVI – 2022)
- [Q&A](#)