

## New Data Spaces for Green Mobility

Huge amounts of mobility data are collected by an increasing number of ubiquitous sensors.

MobiSpaces will develop effective **data governance solutions** to exploit the huge data volumes produced in secure and trustworthy digital infrastructures.

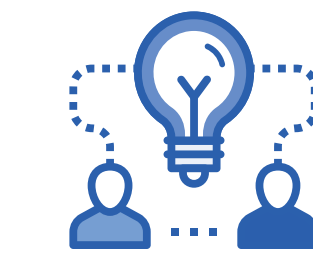
Enabling **data sharing, reuse and interoperability** using standardised protocols across stakeholders and **minimising its environmental footprint**.

## The MobiSpaces Technologies

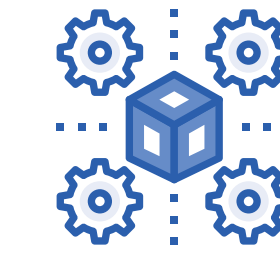
MobiSpaces delivers an **end-to-end mobility-aware and optimised data governance platform**.

Using AI-based mobility analytics to **optimise the complete data path** and increase energy efficiency contributing to the **European green transition**.

### AI-based Data Operations Toolbox



Declarative Querying

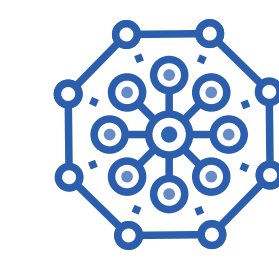


Decentralized Data Management



Online Data Aggregator

### Edge Analytics Suite



XAI Prediction Modelling



Edge-driven Federated Learning



Visual Analytics



## MobiSpaces Use Cases

Five mobility use cases from the urban and maritime domains will show the impact of the MobiSpaces technologies on real life scenarios.



**iRoute**

Intelligent Public Transport Routing



**SmartSense**

Intelligent Infrastructure Traffic Sensing



**MarineTrafficTracker**

Edge-powered Vessel Tracking



**CrowdSeaMapping**

Federated Learning for Enhancing Nautical Charts



**VesselEdge**

Edge Computing Onboard of Moving Vessels

## MobiSpaces Consortium

**25 partners** will be joining efforts in the Horizon Europe project MobiSpaces, coordinated by GFT, from September 2022 to August 2025.



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