

# 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.

**COORDINATOR**

**GFT**

**AALBORG UNIVERSITY**

**AMT** INNOVAZIONE

**Atos**

**AIT** ARTIFICIAL INTELLIGENCE TOMORROW TODAY

**BOSCH**

**COMMPla** Communication Platforms and Online Solutions

**Danish Geodata Agency**

**DigiSys 4eU**

**emisia** CONNECTIONS FOR TOMORROW'S IMPACT

**ENGINEERING** THE DIGITAL TRANSFORMATION COMPANY

**FREQUENTIS** FOR A SAFER WORLD

**FUJITSU**

**INTRASOFT INTERNATIONAL**

**LEAN SCALE**

**MarineTraffic**

**netU**

**OKYS** YOUR CONNECTIVITY

**SIEMENS**

**Trust-IT Services** communicating to markets

**UBITECH** UNIVERSITÄT BRUNNEN

**ULB** UNIVERSITE LIBRE DE BRUXELLES

**UNIVERSITY OF PIRAEUS RESEARCH CENTER**

**UNPARALLEL**

**White Label Consultancy**

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