



# Christos Doulkeridis, Assoc. Professor University of Piraeus

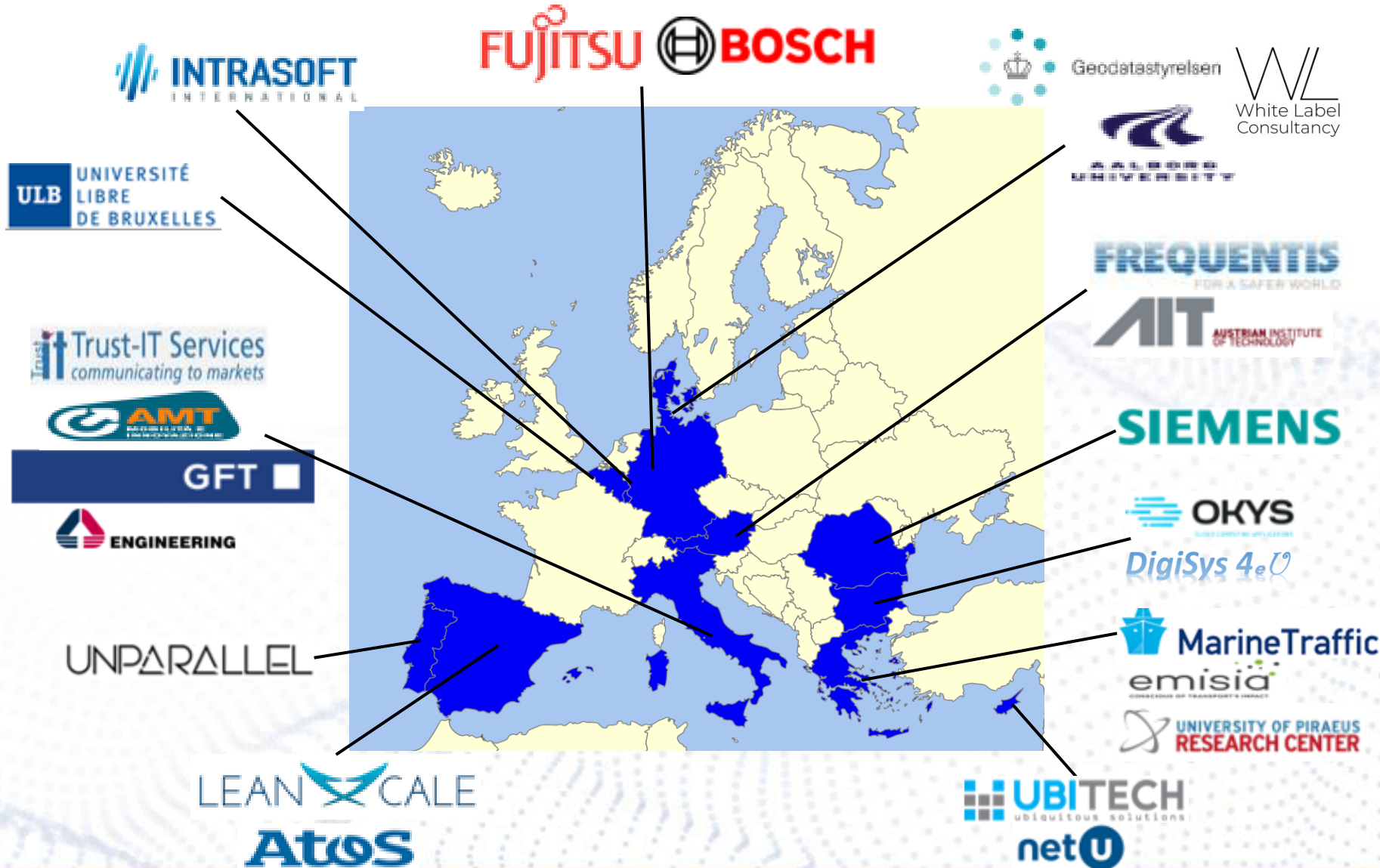
MobiSpaces Webinar  
31° January 2023



Funded by  
the European Union

<b>MobiSpaces</b>	<b>New Data Spaces for Green Mobility</b>
Project number	101070279
Starting date	1/9/2022
Project duration	36 months
Call	World Leading Data and Computing Technologies 2021
Topic ID	HORIZON-CL4-2021-DATA-01-01
Topic Description	Technologies and solutions for compliance, privacy preservation, green and responsible data operations
Budget	~ € 8.8 M (Funding: 100%)

# The MobiSpaces Consortium



## >10 Technical partners with expertise in:

- Big data
- ML / AI
- Data science
- Cloud / Fog / Edge / IoT
- ...

## 5 Use-case partners

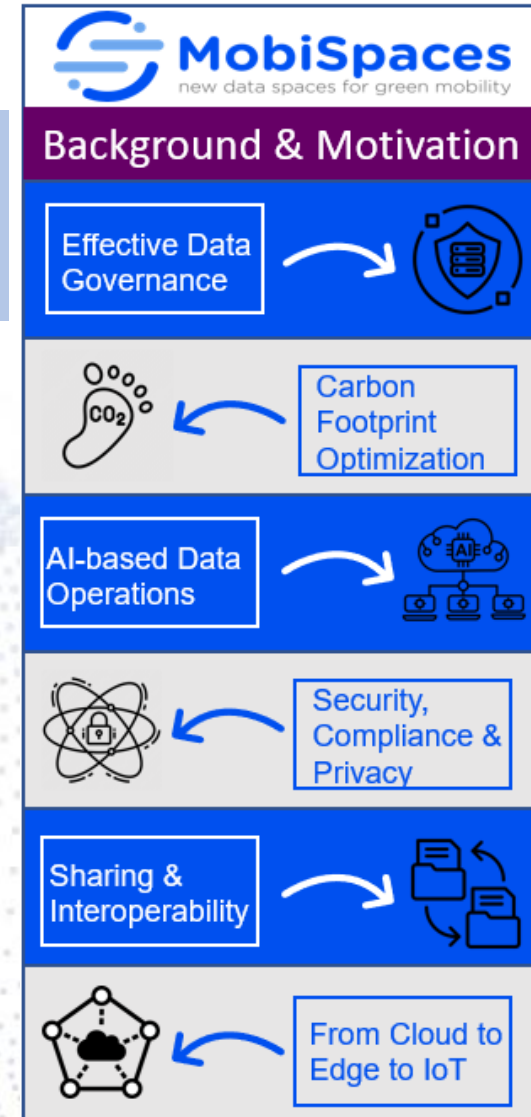
- pioneers in maritime intelligence
- urban/maritime authorities

## 2 Mobility domains:

- Urban
- Maritime

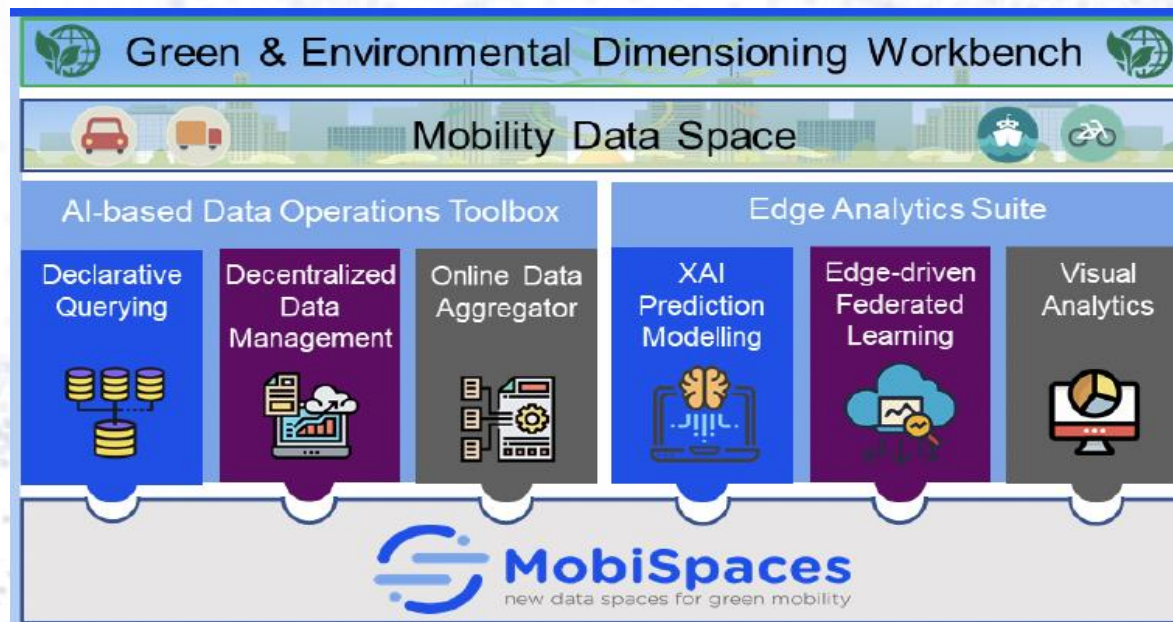
A **mobility-aware** and **mobility-optimized** data governance platform to utilize the outcomes of AI-based mobility analytics and optimize the complete “Data Path”

- Effective and trustworthy data governance
- Optimise energy consumption, minimise carbon footprint
- Efficient AI-based data operations
- Enforcement of security, privacy and compliance
- Standardized data sharing and interoperability
- Decentralized processing and analytics at the Edge



# Main Technical Objectives

Objective #1	A data governance platform for trustworthy and reusable data operations
Objective #2	Green, AI-enhanced data management
Objective #3	End-to-end declarative analytics for heterogeneous data sources
Objective #4	High-performance batch and real-time analytics
Objective #5	Explainable AI, Federated learning over mobility data sets



# Five Exciting Use-cases



Predictive maintenance and service analysis



Intelligent infrastructure traffic sensing



Edge-powered vessel tracking



Edge-computing on moving vessels



Enhancing nautical map by crowdsensing



# Join the MobiSpaces Community



[mobispaces.eu](https://mobispaces.eu)



[@mobispaces](https://twitter.com/mobispaces)



[/company/mobispaces/about/](https://company.mobispaces/about/)



[/channel/UCHn77yExPs\\_fCJIT7xR5Bdw](https://channel/UCHn77yExPs_fCJIT7xR5Bdw)



[/communities/?p=mobispaces](https://communities/?p=mobispaces)