



EMERALDS

Extreme-scale Urban Mobility
Data Analytics as a Service

Shaping the Future of Extreme-scale Urban Mobility Data Analytics as a Service:

EMERALDS Final Event

Copenhagen, Denmark

Co-located with the European Big Data Value Forum
(EBDVF 2025)

Event Agenda

13 November 2025 | 09:00 – 12:30 CET | Copenhagen, Denmark

PART I: EMERALDS Technical Achievements & Key Innovation Results

| Time | Speaker(s) | Topic / Discussion |
|---------------|--------------------------------------|---|
| 09:00 – 09:05 | Konstantinos Ntafloukas (INLECOM) | The EMERALDS Horizon EU project – an Overview |
| 09:05 – 09:10 | Yannis Theodoridis (Uni. Piraeus) | The EMERALDS Services – Advancing the State-of-the-art in Mobility Data Analytics |
| 09:10 – 09:20 | George Theodoropoulos (Uni. Piraeus) | In-situ Mobility Data Processing & Analytics |
| 09:20 – 09:30 | Bahare Salehi (ULB) | Urban Traffic Monitoring and Interpolation |
| 09:30 – 09:40 | Anita Graser (AIT) | Trajectory Data Analysis with Trajectools & MovingPandas |
| 09:40 – 09:50 | Anahid Wachsenegger (AIT) | Active Learning & XAI over Mobility Data |
| 09:50 – 10:00 | José Luis Cárcel (EVIDEN) | The EMERALDS Mobility AI-as-a-Service Platform |
| 10:00 – 10:10 | Miguel Álvarez García (CARTO) | The EMERALDS Mobility Analytics Dashboard |
| 10:10 – 10:20 | Eva Papadogiannaki (TU Crete) | The EMERALDS Security Backbone |
| 10:20 – 10:30 | Marialetizia Mari (TRUST-IT) | Q&A |

 **Coffee Break | 10:30 – 11:00**



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PART II: EMERALDS in Action – Use Cases in the Urban Mobility Domain

| Time | Speaker(s) | Topic / Discussion |
|---------------|-----------------------------------|---|
| 11:00 – 11:05 | Konstantinos Ntafloukas (INLECOM) | The EMERALDS Urban Mobility Use-Cases – an Overview |
| 11:05 – 11:25 | Jeroen Steenbakkens (Argaleo) | Risk Assessment, Prediction, and Forecasting in Crowded Events – The Hague Scheveningen, NL |
| 11:25 – 11:45 | Erik-Sander Smits (Arane) | Multi-modal Network Traffic Management – Rotterdam, NL |
| 11:45 – 12:05 | Jurijs Kondratenko (Grupa 93) | Public Transport Trip Characteristics Inference and Traffic Flow Data Analytics – Riga, LV |
| 12:05 – 12:20 | Charlotte Fléchon (PTV Group) | Transport Network Optimisation – York, UK |
| 12:20 – 12:25 | Marialetizia Mari (TRUST-IT) | Q&A |
| 12:25 – 12:30 | Konstantinos Ntafloukas (INLECOM) | Concluding Remarks |

Speakers' Panel

EUROPEAN
**BIG DATA
VALUE** FORUM
12-14 NOV | COPENHAGEN - DENMARK

13 November, 09:00 - 12:30 CET

Shaping the Future of Extreme-scale Urban Mobility Data Analytics as a Service: The EMERALDS approach


Jeroen Steenbakkens
ARGALEO


Jurijs Kondratenko
GRUPA93


Yannis Theodoridis
UNIVERSITY OF PIRAEUS


Jose Luis Carcel
EVIDEN


Charlotte Fléchon
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ARANE


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