SUSTAINABLE & SMART
MOBILITY STRATEGY

Artificial Intelligence and Mobility

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General EU context on Artificial Intelligence

- **EU working on the topic for several years**

- **Goal: develop and deploy a human-centric and trustworthy AI**

- **Key documents adopted by the Commission:**
  - 2018: Communication on Artifical Intelligence + Coordinated Plan on AI
  - February 2020: White Paper on Artificial Intelligence
  - April 2021: Chapeau Communication; Updated Coordinated Plan; Regulatory Frameowrk on AI (AI Act proposal)

- **On-going: Review of the Product Liability Directive + AI liability rules initiative**

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AI roadmap for mobility

- the <u>Sustainable and Smart Mobility Strategy</u> the establishment of an **AI roadmap for mobility.**

- Goal:
  - develop a common understanding of AI for the mobility and transport sector,
  - outline opportunities and challenges of AI,
  - identify transport systems which could profit the most from AI.
  - consider the fitness of the existing legislative framework to include AI
  - identify legal and technical conditions to be fulfilled in order to make AI safe, interoperable and reliable for the mobility and transport sector.

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Opportunities of AI for the Transport and Mobility sector

Opportunities:

- *Optimization of prediction, planning and conduct of operations*
- *Optimization of asset and infrastructure planning and management*
- *Key enabler for innovative mobility solutions*

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Challenges to be considered

Technological:

- *Data*

- *Maturity of AI solutions for a safe deployment and uptake*

- *Standards for interoperability*

- *Identification of relevant R&I topics and funding*

Legal and ethical:

- *Legal framework offering sufficient protection*

Social and Economic:

- *Relevant business models*

- *Skills*

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Partnerships and AI

The EU launched two major Public Private Partnerships on AI to foster innovation and cooperation under Horizon Europe in June 2021

- **The CCAM Partnership** (www.ccam.eu)
  - Million 500 € funding from the EU. Same amount expected from the industry
  - Cluster 5 « Key enabling technologies » includes AI.
  - Next calls for WP 2023-2024 expected in October 2022

- **The Partnership on AI, data and Robotics** (https://ai-data-robotics-partnership.eu)
  - Billion 1,3 € from the EU. Same amount expected from the industry

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