



InnovÉE

Innovation en énergie électrique

# Roundtable Summary: Sustainable Mobility

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Prepared for the Italian chamber of commerce in Canada

Financed by



# Part 1 Autonomous and connected vehicles, open data/sharing data



- 01** Marko Bertogna – University of Modena and Reggio Emilia
- 02** Alessia Zarzani – Ville de Montréal
- 03** Andrea Sanguedolce – FEV Italia
- 04** Davide Sangiorgi – Fasternet & Mauro Nesti QMAP
- 05** François Rainville – EFFENCO

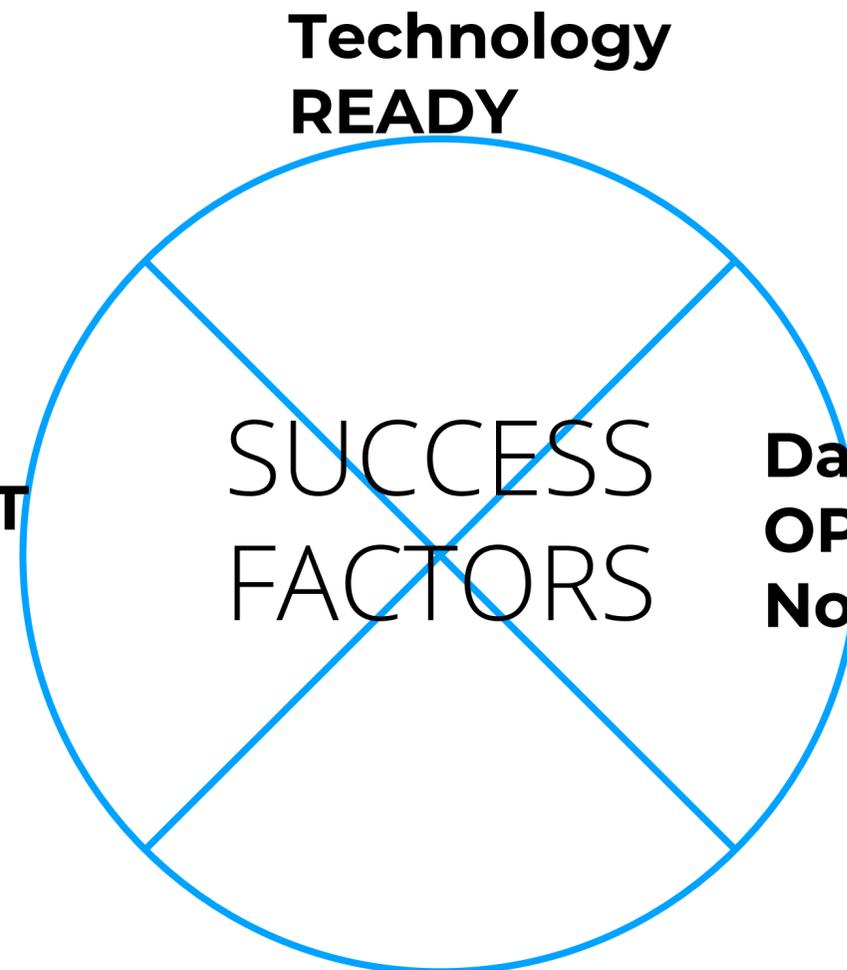
# HIGHLIGHTS + LESSONS LEARNED

## Part 1: Autonomous and connected vehicles, open data/sharing data: Highlights

AI in third wave



**REGULATORY ENVIRONMENT**  
Not ready



**INFRASTRUCTURE**  
Not ready

**Data sharing**  
**OPEN**  
Not ready



## **Part 2 Use of AI for Simulation and Digital twins**



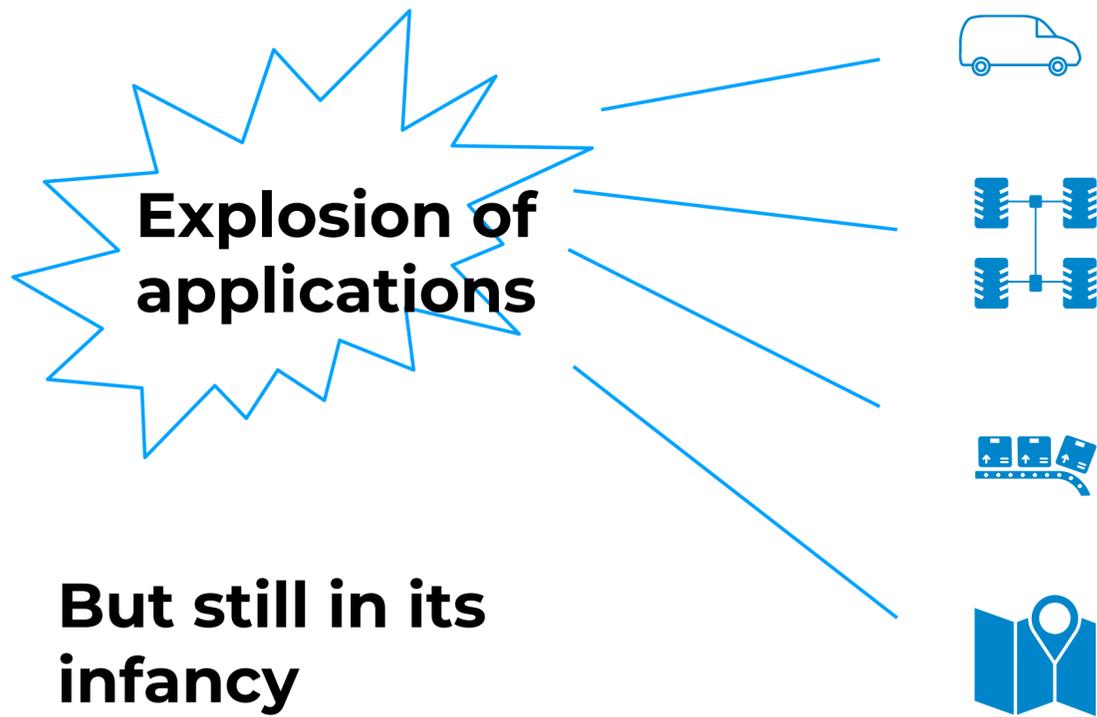
**01 Ruben Marco Ganzaroli – Società Autostrade per l'Italia**

**02 Gianpiero Mastinu – Politecnico di Milano – Cluster Lombardo della Mobilità**

**03 Maxime Desjardins-Goulet – CTA BRP Université de Sherbrooke**

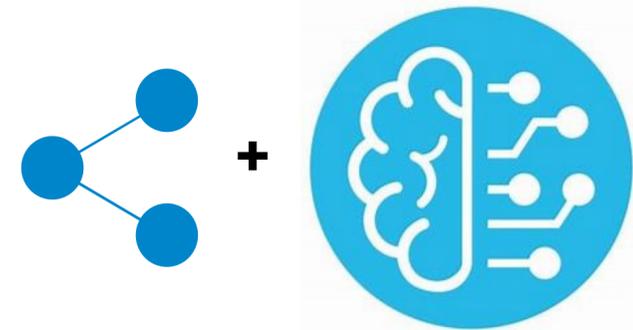
# HIGHLIGHTS + LESSONS LEARNED

## Part 2: Use of AI for Simulation and Digital twins

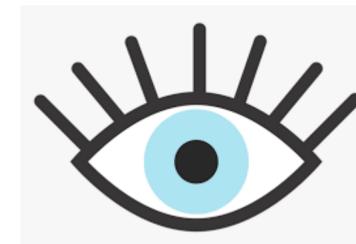


But still in its infancy

Digital twins can be combined with AI



Future trend



Observers



# The use of AI in sustainable mobility

## THREATS

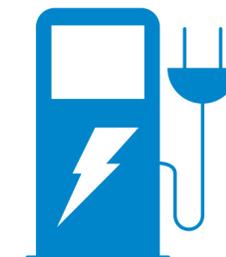


- MINDSET
- Education and awareness
- Chip shortage
- Cybersecurity
- Regulatory
- Infrastructure



## OPPORTUNITIES

- Connectivity
- Short term application for planning
- Infrastructure planning
- Production planning
- Operations planning
- Fleet planning (including EVs)



# Opportunities for collaboration

- **High complementarity in the fields of research and experimentation between Italy and Canada**



- Traffic management & planning
- DATA /demonstration infrastructure
- Focus on road safety and maintenance

- Electric vehicle planning and deployment
- GHG calculations
- Off-road & winter simulations





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**Thank you to all the panelists !**

**Grazie à tutti i presentatori !**

