



InnovÉÉ

Innovation en énergie électrique

Roundtable Summary: Sustainable Mobility

19 Novembre 2021

Prepared for the Italian chamber of commerce in Canada

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Québec

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

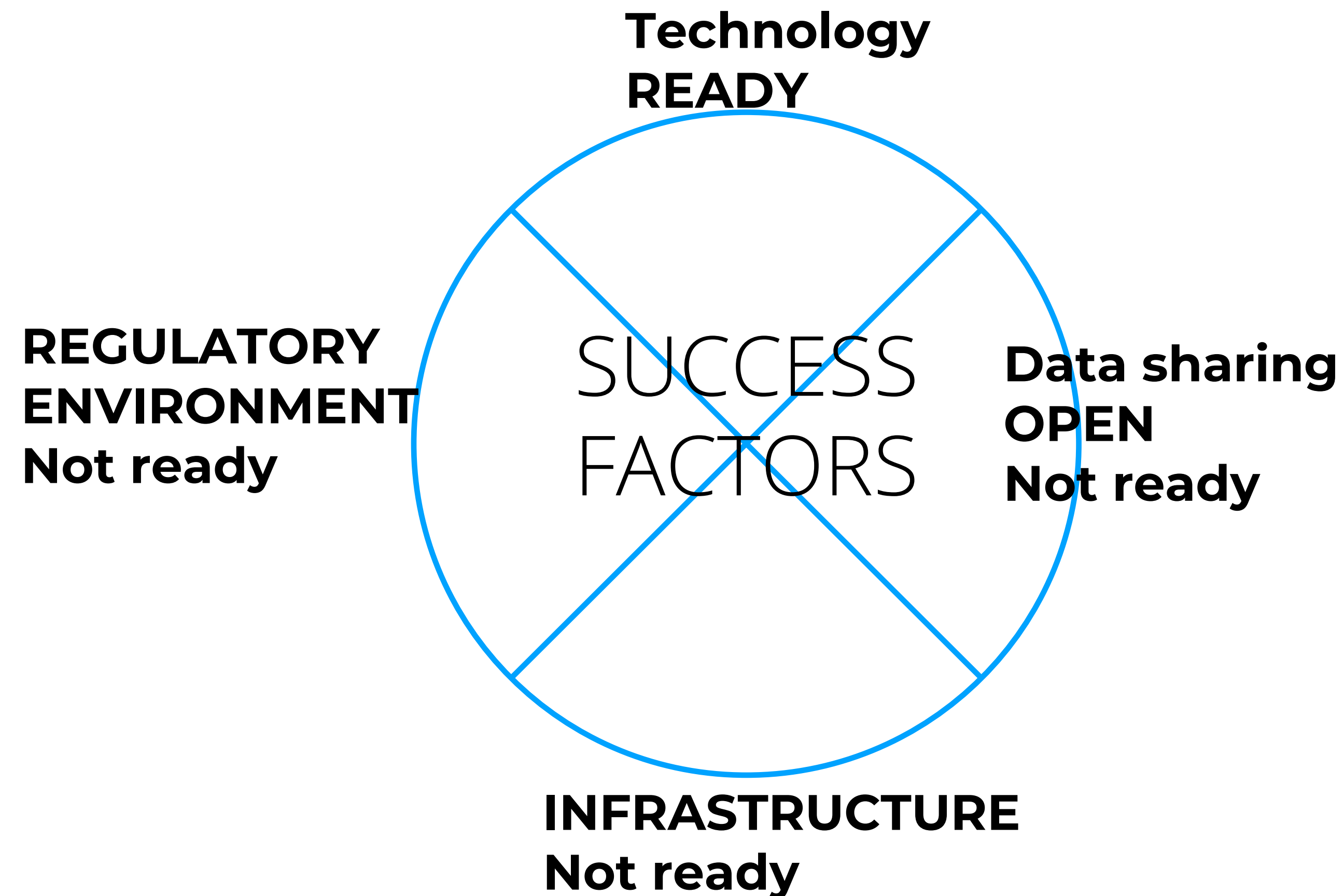
04 Davide Sangiorgi – Fasternet & Mauro Nesti QMAP

05 François Rainville – EFFENCO

HIGHLIGHTS + LESSONS LEARNED

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

AI in third wave



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

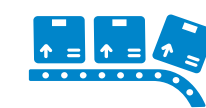
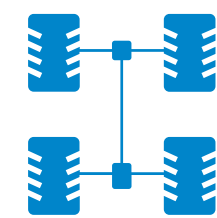
03 Maxime Desjardins-Goulet – CTA BRP Université de Sherbrooke

HIGHLIGHTS + LESSONS LEARNED

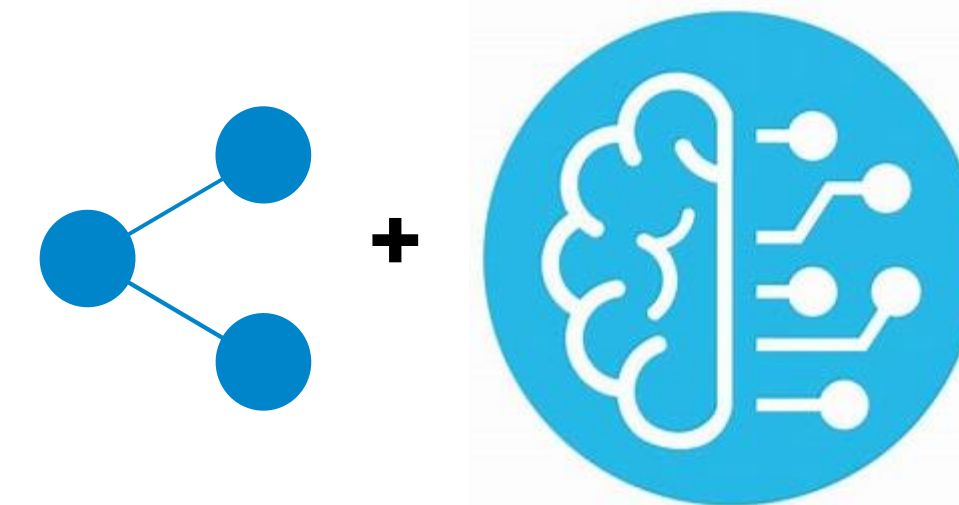
Part 2: Use of AI for Simulation and Digital twins

Explosion of applications

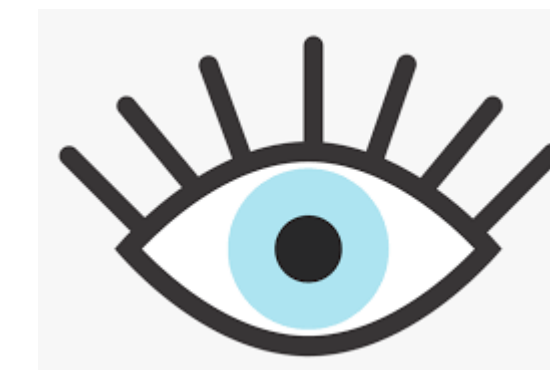
But still in its infancy



Digital twins can be combined with AI



Future trend



Observers

The use of AI in sustainable mobility

THREATS

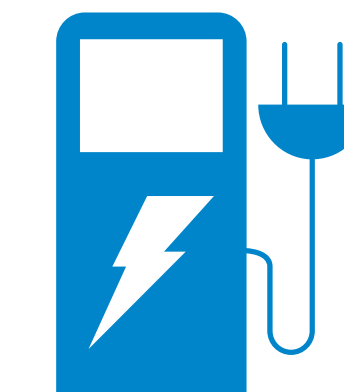


- MINDSET
- Education and awareness
- Chip shortage
- Cybersecurity
- Regulatory
- Infrastructure



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 !

