



Transport and Mobility as a Service

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KTH Royal Institute of Technology

Mistra SAMS
Sustainable Accessibility and
Mobility Services

Decarbonizing the Mobility System - based on Digitalization

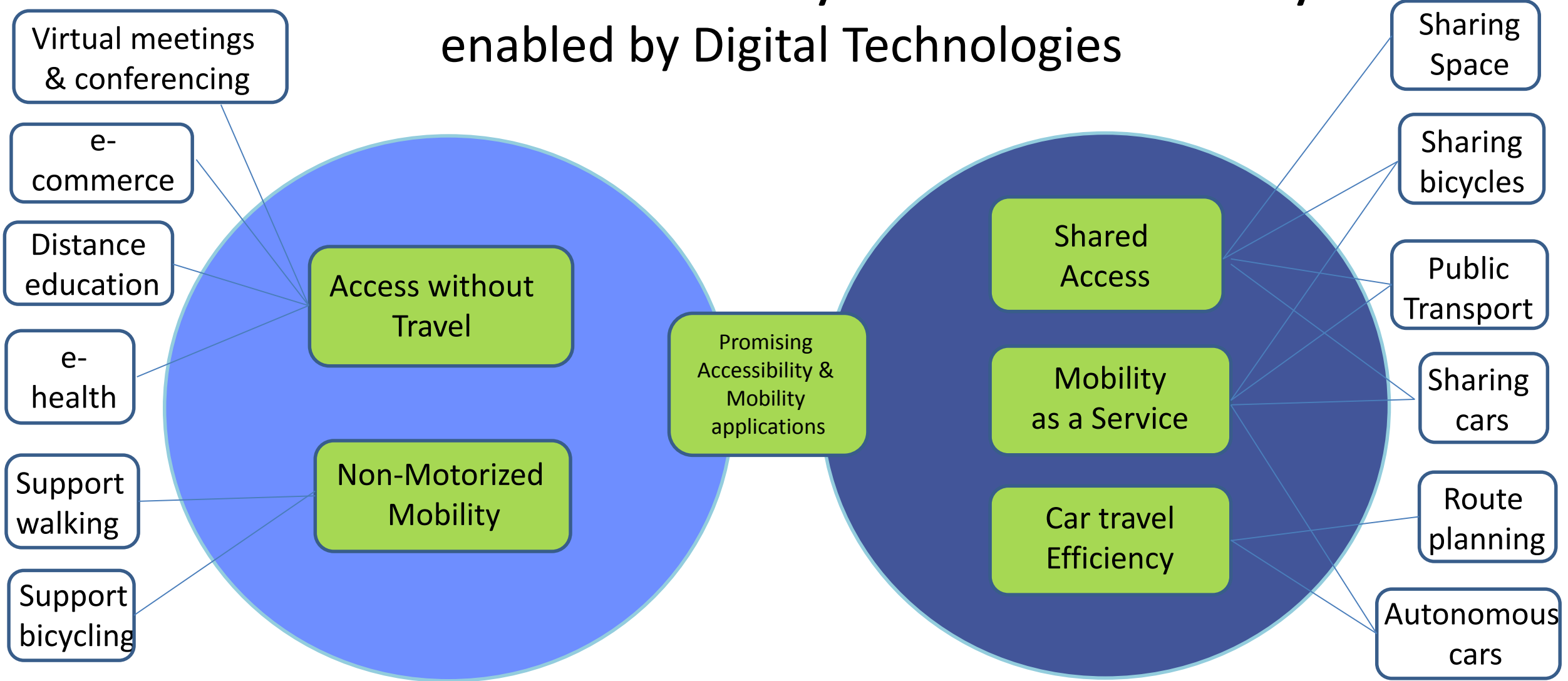
Rethink

Decrease demand for transport and move to more efficient modes

Optimize

Make better use of current infrastructure and vehicles

Innovation in Mobility and Accessibility enabled by Digital Technologies



Innovative mobility solutions require partnerships between academia, industry and the public sector

- Academia
 - KTH Royal institute of Technology
 - Lund University
 - Karlstad University
- Public sector
 - Cities:
City of Stockholm & Municipality of Botkyrka
 - Swedish Transport Administration
- Private Companies
 - Ericsson
 - Scania and more

BOTKYRKA
KOMMUN



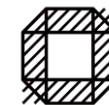
Malmö stad



Stockholms
stad



TRAFIKVERKET



OPENLAB



LUNDS
UNIVERSITET



KARLSTADS
UNIVERSITET



ERICSSON



SCANIA



Hertz



Samtrafiken



SAVANTIC



“As a core partner of Exponential Climate Action Roadmap advocating for halving of global emissions by 2030, Ericsson sees future transport solutions enabled by digital technologies as one of the key focus areas for the coming decade.”

“As a main mobile telecommunication provider we consider partnerships as a prerequisite for system development, and we therefore appreciate to work jointly MISTRA SAMS develop the multi-modal mobility solutions of tomorrow.”

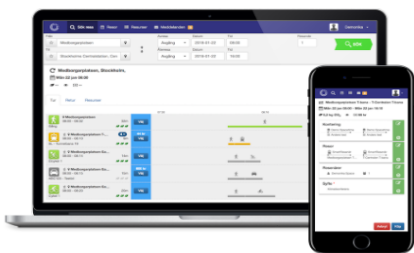
Pernilla Bergmark, Master Researcher Sustainability, Ericsson

Living Lab “Work near – Smart mobility”

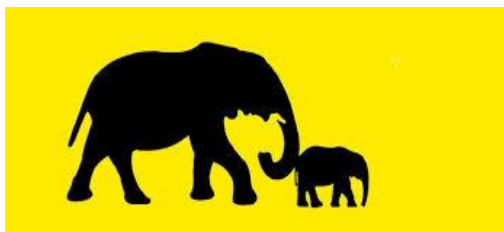
exploring behavioral change



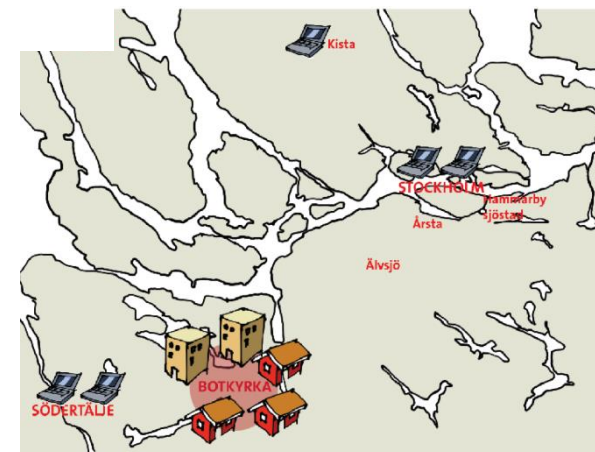
1. Work-hub in Tullinge in Botkyrka municipality



2. Digital platform with access to different mobility- and accessibility services

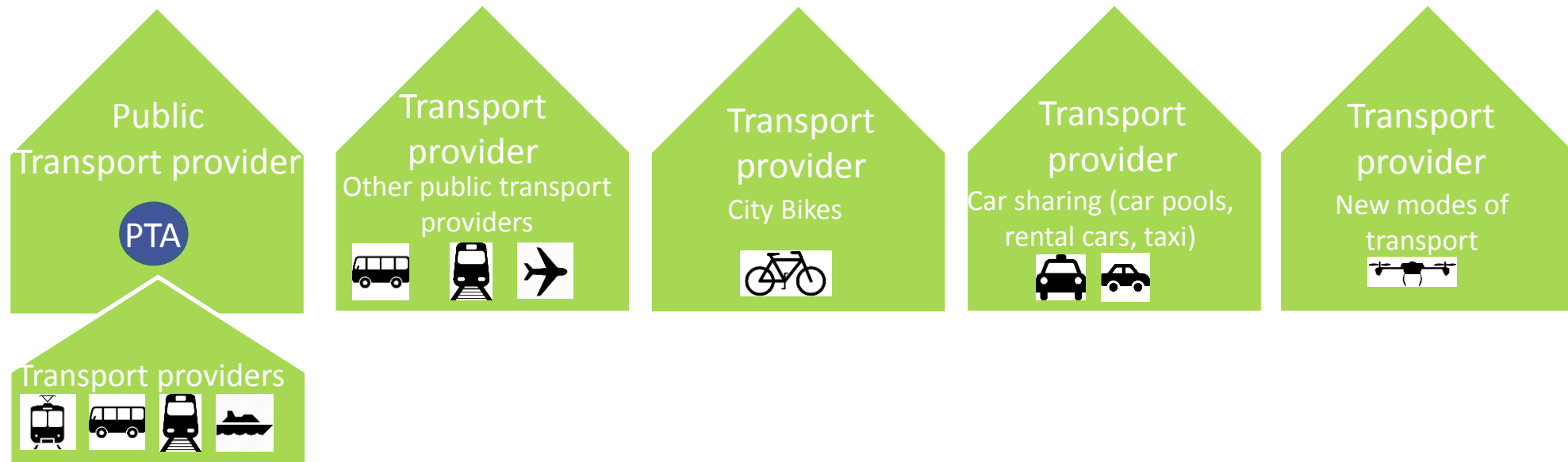


3. Policy and incentives



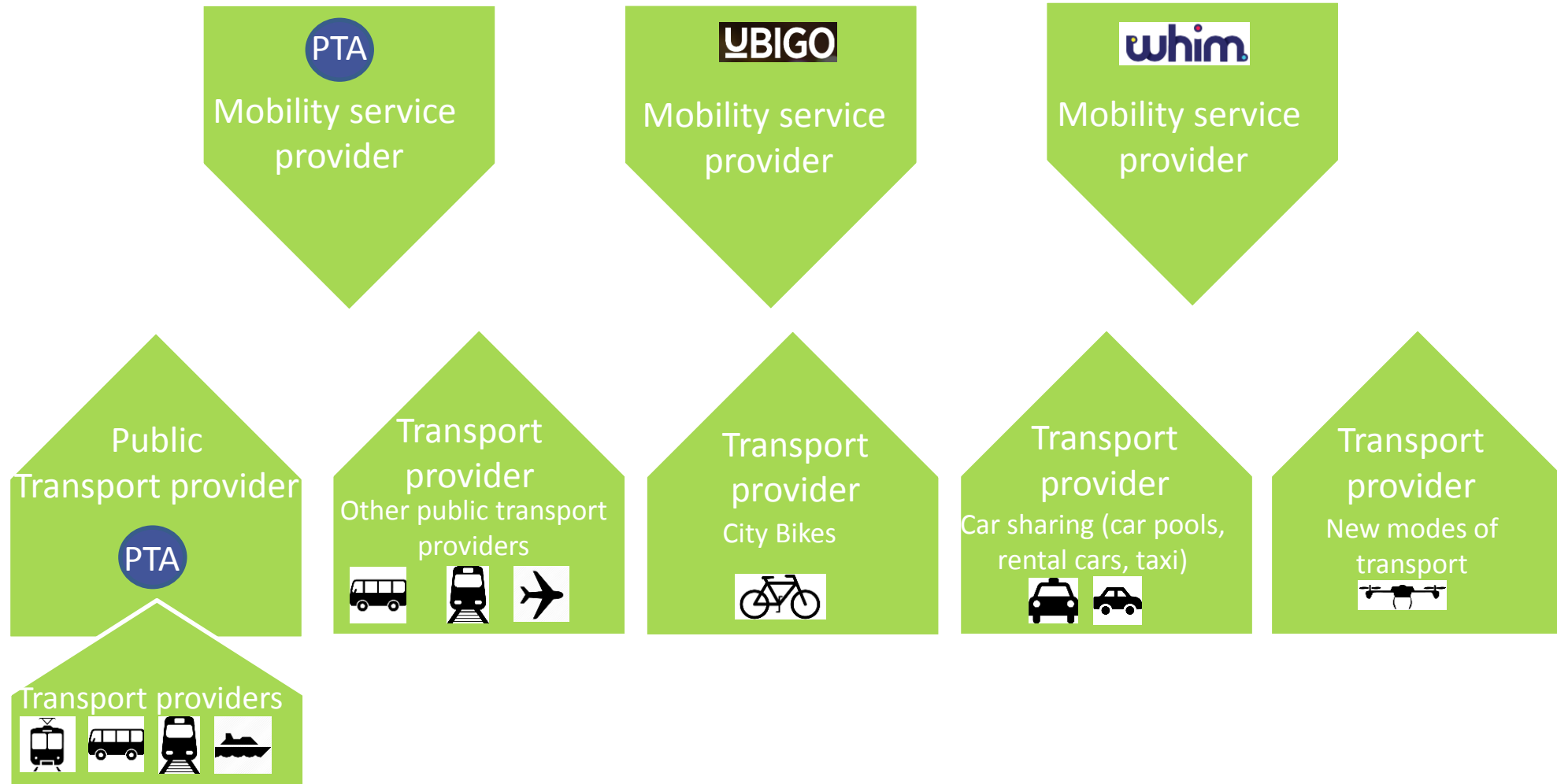
Mobility as it is provided today

A single application for every service



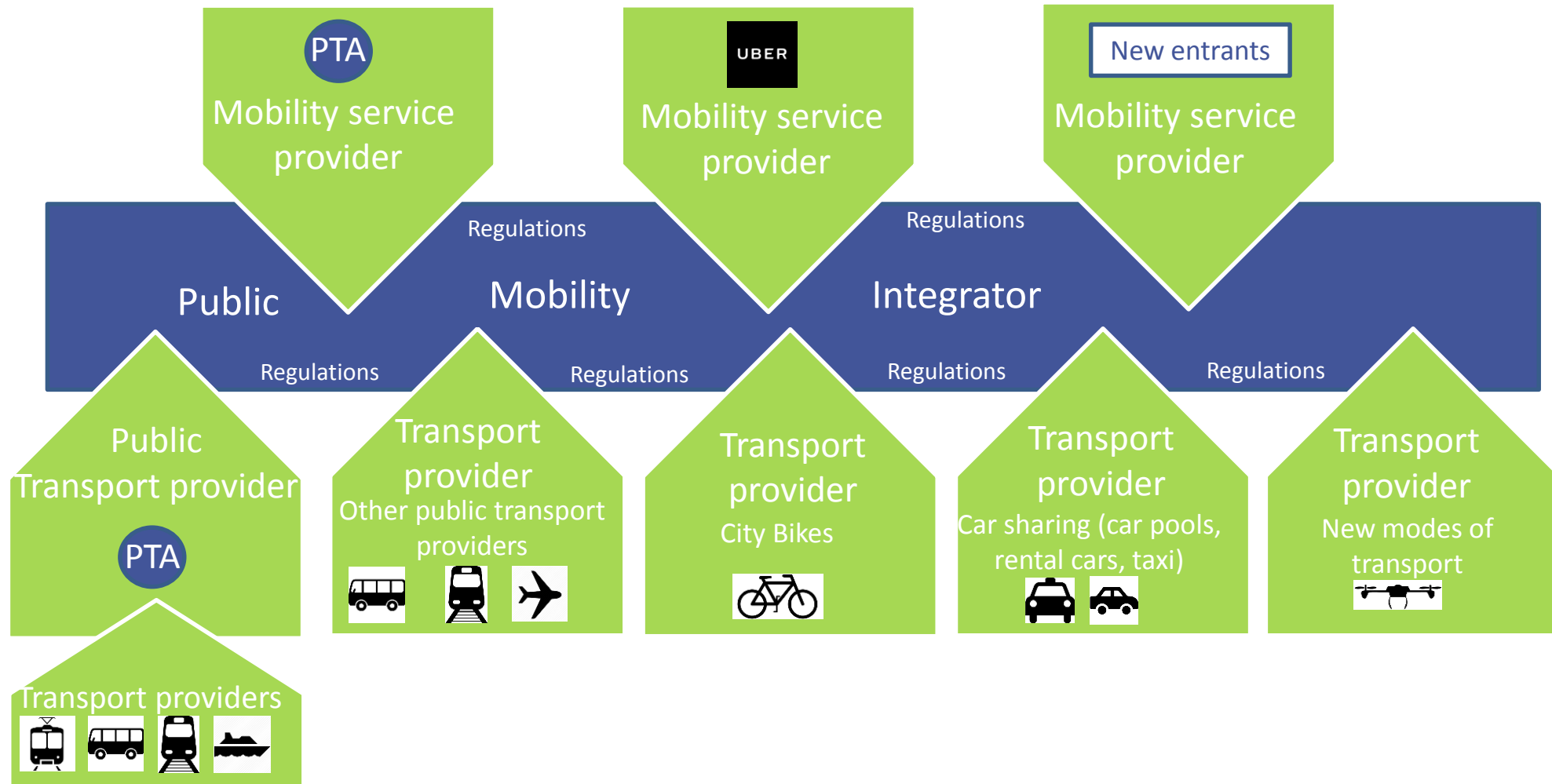
Emerging: Mobility as a Service (MaaS)

Aggregation of private and public transport



Future Scenario for mobility

One platform with the choice of all mobility solutions



What should be done at the member state and EU level?

- Focus more on **accessibility**
- Take the role as **mobility integrator** to set the **rules of play** for the transport system and facilitate innovation
- Make a **legal cause** for **open data** through open APIs for all companies who want to participate in the transport sector
- Work closely with **municipalities and companies** to support their efforts
- Allow for the **ticket and payment system** for public transportation across borders to work in the same way as the airline and hotel industry

Thank you!

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