



Be focused!

A multi stakeholder proposal for future research collaboration.

Dr.-Ing. Stephan Neugebauer.

Chairman of European Road Transport Research Advisory Council (ERTRAC)

Director Global Research Cooperation, BMW.



EPoSS
European Technology Platform
on Smart Systems Integration



ETIP SNET
EUROPEAN
TECHNOLOGY AND
INNOVATION
PLATFORM

SMART
NETWORKS FOR
ENERGY
TRANSITION

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Logistics Innovation
through Collaboration
in Europe



EGVI
European Green
Vehicles Initiative

Alliance of the main stakeholders for Road Transport Research

European Technology Platforms:

- ERTRAC (Road Transport System)
- EPOSS (Smart Systems Integration of Electronic Components)
- ETIP-SNET (Energy Networks)
- ALICE (Logistics)

EGVIA European Green Vehicles Initiative Association

European associations:

- EUCAR (Automotive manufacturers)
- CLEPA (Supply Industry)
- EARPA (Automotive Research Providers)
- POLIS (Cities and regions)
- ERTICO (ITS)
- ECTRI (Transport Research Institutes)



EPOSS
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Key messages for Horizon Europe for Road Transport research

We have a consortium with a common vision: (extract from ERTRAC SRA)

- People and goods can reach their destination in cities in a way that is healthy, safe, affordable, reliable and comfortable
- CO₂-neutral road transport with minimal environmental impact including circular economy for vehicles and infrastructure
- Infrastructure and traffic management provide high efficiency road network services at competitive cost with minimized congestion
- Digitalization enables people to get the best service at highest level of comfort and safety
- Safe and secure at any time
- Europe as a world leader in innovation, production and services



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Key messages for Horizon Europe for Road Transport research

Our Vision means in particular: (extract from ERTRAC SRA)

- Emission free in urban areas, negligible or near zero emissions in rural areas
- 100% renewable energy for transport
- Fully multimodal mobility
- Connectivity everywhere
- Nearly zero accidents and injuries
- Excellence in education, research and training
- Energy efficient and sustainable production in Europe
- ...

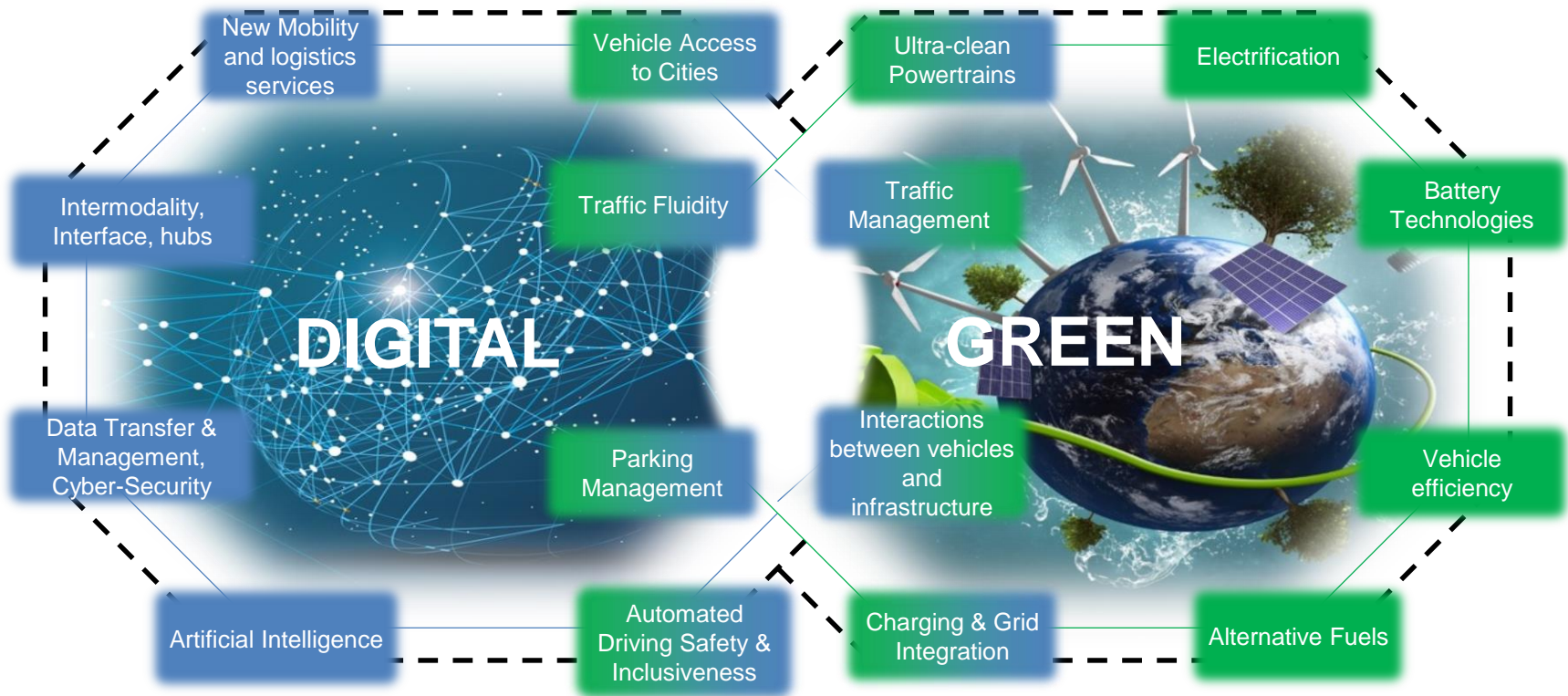
Conclusion for Horizon EUROPE:

“Decarbonization” and **“Digitalization”** are the focus areas for road transport research!



System Challenge Road Transport

ROAD TRANSPORT LANDSCAPE



Jobs & Growth for Europe



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Key messages for Horizon Europe for Road Transport research

Boundary Conditions for Road Transport Research:

- **Competition:**

In both areas, Decarbonization and Digitalization, the automotive industry (OEMs and suppliers) are under full competition. Therefore, any research cooperation has to be limited to pre-competitive activities.

- **Instrument:**

The development of future technologies, especially in the field of digitalization, is highly dynamic and has a lot of uncertainties. It is not possible to define a fixed research program for the next years up to 2027. Therefore, we need a research instrument that is flexible, dynamic, transparent and agile, and with a low level of administration:

-> **“Co-Programmed Partnership”, similar to today Contractual PPP (cPPP)**



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=> 3 instruments for 3 different innovation steps with links between them

Enabling Technologies: addressed by ECSEL, HPC, 5G, etc.

- **Instruments:** the most appropriate one for each enabling technology
- **Activities:** development of components, subsystems and networks

Research in the areas of "Green" and "Digital" Road Transport

- **Instrument:** Co-Programmed Partnership funded by Horizon Europe
- **Activities:**
 - All vehicle development topics
 - Testing, validation and technical input for standardization and regulation
 - New services, user perspective, societal acceptance and impacts
 - Physical and digital infrastructures needs to enable automation (pre-competitive only)

provide input to

provide input to

Deployment initiative for "Connected Automated Mobility"

- **Instrument:** to be discussed – decision according to activities and EU rules
- **Activities:** Infrastructures for CAM (physical and digital), Harmonization at EU level and cross-border deployment, Deployment of Hubs and Services supporting Intermodality



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