



Smart Transportation Alliance

2020 Annual Conference  
& Innovation Awards

**The 2019 STRIA exercise:  
Implementation & inclusion in  
Horizon Europe  
Rafal Stanecki EC/DG MOVE**

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# EU Transport Policy

The **aim** of the European Union's transport policy is to promote mobility that is **efficient, safe, secure** and **environmentally friendly**.

**The policy objectives for road transport** can be enumerated as following:

- promote **efficient road freight and passenger transport services,**
- create **fair conditions for competition,**
- promote and harmonise **safer and more environmentally friendly technical standards,**
- ensure a degree of **fiscal and social harmonisation,**
- and guarantee that **road transport rules are applied effectively and without discrimination.**

# TRANSPORT CHALLENGES

- **25% of GHG emissions** in the EU come from transport and only **road transport counts for more than 70%** of the emissions.
- **Air pollution**, to which transport is a contributor, leads to **~400,000 premature deaths** in the EU/year.
- An estimated **120 million Europeans** are affected by **harmful noise levels**, mostly from road transport.
- **Transport relies on oil for over 94%** of its energy needs, with daily imports of up to €0.5 billion.
- There are around **25,000 fatal victims of road accidents** across the EU per year.
- **Congestion** in and around urban areas, **costs an estimated €270 billion per year**.
- Transport estimated total cost of its **externalities makes €1 trillion/year**

- To fight the climate change EU has committed to become **a climate-neutral economy by 2050**. To achieve this goal **transport needs to reduce its emissions by 90%**, and transport accounts for a **quarter of the Union's greenhouse gas emissions** and these emissions continue to grow. To achieve this ambitious goals all transport modes must be made **more sustainable**.

Mobility package in **2017 came up with 7 roadmaps setting the long term visions:**

- Cooperative, connected and automated Transport
- Electrification
- Vehicle design and manufacturing
- Low emission alternative energies for Transport
- Network and traffic management
- Smart mobility and services
- **Transport infrastructure**

- These roadmaps are reflected in **HORIZON EUROPE**, which is **THE NEXT EUROPEAN UNION RESEARCH AND INNOVATION INVESTEMENT PROGRAMME (for they years 2021-2027) – with a budget of 80 billion €**
- The programme has been divided into **3 Pillars**
  - Pillar 1 **EXCELLENT SCIENCE**: reinforcing the Union's **science base** and covering European Research Council
  - Pillar 2 – Consisting of Clusters, **boosting key technologies and solutions supporting EU policies & Sustainable Development Goals**. It is **Cluster 5** that coves Climate, Energy and **Mobility**.
  - and Pillar 3 called **INNOVATIVE EUROPE**: focused on stimulating market-creating **innovations**



The **R&I objectives in mobility area of HE** that have been agreed are:

- **Zero-emission** road transport
- Reducing **impact of transport on environment** and **human health**
- Developing **Connected, Cooperative and Automated Mobility (CCAM)**
- Developing **Multimodal and sustainable transport systems for passengers and goods**
- Delivering **Safety and resilience** - per mode and across all transport modes
- **Cybersecurity** and **digitalisation** as cross-cutting areas

At this moment internal budgetary discussions are **still ongoing** and we expect that there will be over **7Bln€** earmarked for 7 years period for transport related topics.



**Partnerships** - will make part of the Horizon Europe, but will have separate budgets from Work Programme.

3 of them will directly contribute to Transport/Mobility research:

- Towards zero emission road transport (**2ZERO**)
- Towards a competitive European industrial battery value chain for stationary applications and e-mobility (**BATTERIES**)
- Connected, Cooperative and Automated Mobility (**CCAM**)



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**THANK YOU  
FOR YOUR  
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