Building an action plan for user centric transport in 2030
The project Mobility4EU

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AMAA 2017
Smart Systems Transforming the Automobile
25/26 September 2017 - Berlin, Germany
Action Plan for the Future of Mobility (CSA)

Duration: 1 Jan 2016 – 31 Dec 2018

Consortium: 19 partners from 11 countries

- VDI/VDE-IT (Germany) (Coord.)
- VUB (Belgium)
- Ifsttar (France)
- CERTH (Greece)
- Deep Blue (Italy)
- SIEMENS (Germany)
- CRF (Italy)
- Zaragoza Logistics Center (Spain)
- Bauhaus Luftfahrt (Germany)
- Echandia Marine (Sweden)
- ST Micro (France)
- HUMANIST (France)

Funding: DG RTD

- Osborne Clarke (Belgium)
- Transport Authority of Barcelona (Spain)
- Dutch Passenger Association (Netherlands)
- International Longevity Centre (UK)
- Budapest Association of Persons with Physical Disabilities (Hungary)
- VTT (Finland)
- ICCT (Germany)
Objectives

- identify and assess **societal trends and challenges** that will influence future transport demand and supply
- find and categorise promising **cross-modal technical and organisational transport solutions**
- establish a **future vision of a transport system in 2030**
- develop an **action plan including a roadmap** for the implementation of that vision
- recommend tangible measures in research, innovation and implementation
- engage a **broad stakeholder community** into the consultation processes of the project and its implementation
- sustain the work of the project beyond its duration, e.g. in the form of a new European Transport and Mobility Forum
Towards the Action Plan

Pool of solutions
Opportunity Map

Initial ideas for transport system in 2030
Context Map

Ranking of solutions
MAMCA & FMEA

Vision for Transport 2030

Action Plan

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Creating the Context Map

Societal Requirements and Current Challenges for Transport (03 May 2016, Berlin)
From Portfolio of Solutions to Opportunity Map

Novel and Innovative Mobility Concepts and Solutions (05 July 2016, Brussels)

Portfolio of solutions

Opportunity Map
From Portfolio of Solutions to Opportunity Map

Novel and Innovative Mobility Concepts and Solutions (05 July 2016, Brussels)

Portfolio of solutions
User-centric & cross-modal

Road specific topics
• Adaptive **safety** systems
• **Automated** and **connected** vehicles
• Future Generation of **electric** vehicles
• **On-road charging** for trucks
• Car-/Ride-/Park **sharing**
• Small vehicles developed fit-for-urban-purpose
• Urban electric busses
• **V2X** for safety and **traffic management**

Topics horizontal across modes
• Advanced **(Cyber)security**
• **Blockchain** solutions for passenger and freight transport
• Game changers in materials
• **ADAS**
• Smart traffic management and forecasting with **big data**
• **Standardization** for interoperable and multimodal transport
• **Universal design/design for all**
User-centric & cross-modal

- **Integration in other modes** especially in the urban context
- New usage models have to look closely on **user needs**
- **Accessibility** aspects included from the start
- **Reducing impact on climate, environment and health**

Enhancing impact of solutions by opening **opportunities for high additional benefits** through

- **Collaboration, cooperation, standardization, technology and knowledge transfer** within and across modes
- Broader cooperation strategy including **players from outside** the traditional transport sector, as e.g. IoT, automation, big data
- **Outreach to policy makers, urban planners etc.**

To be facilitated through **“European Transport and Mobility Forum”**
Vision
An alliance that helps identifying, designing and implementing disruptive mobility solutions in synergetic ways and in participatory processes taking into account innovation potentials and user perspectives from the start

Objectives

• establish multi-/cross-modal links between transport modes for passengers and freight
• integrate user representatives into the network and include their perspectives into all transport aspects
• involve stakeholders beyond transport
• sustain the work of Mobility4EU beyond its duration
Towards the Action Plan

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Towards the Action Plan

Vision for Transport 2030

In creative and interactive process build a **vision** from prioritized solutions by concentrating on their interactions/combinations/interfaces

- **Consensus Building WS**, 24 Oct 2017, Brussels
- **Creative WS on vision** for transport, 21 Nov 2017, Brussels

Action Plan

Detail measures regarding **policy**, regulation, standardisation, forms of governance, user acceptance, technology development and other implementation related issues

- **WS to finalize Action Plan**, Early 2018
- **Stakeholder Consultation Conference**, Spring 2018
Keep in touch

www.mobility4eu.eu

Vision
A cornerstone on the way towards the action plan will be the creation of a vision for transport in Europe in 2030.

Read more

@mobility4eu Mobility4EU info@mobility4eu.eu
MOBILITY 4 EU
Action Plan for the future of mobility in Europe (690732)

Project funded by the European Commission within the H2020 Programme (2014-2020)
Interfaces between solutions

Synergies

- Electrification
  - reduces cost (TCo)
  - manages re-charging

- Car Sharing
  - reduces service cost
  - accelerates adoption

- Automation
  - optimizes energy use
  - simplifies controls

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Definition of user needs

Stakeholder needs from Context Map

Trends and their impacts on mobility

Collection of stakeholder objectives through MAMCA

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Associated Partners

AGE Platform (BE)
Airport Munich (DE)
Athens (GR)
AVERE (BE)
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Catalunya Camina (ES)
ComTrade (SI)
European Cycling Federation (BE)
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Fincantieri (IT)
Ideas & Motion (IT)
Knowledge Transfer Network (UK)

Low Carbon Vehicle Partnership (UK)
MOV’EO (FR)
Rail Group (ES)
Procter & Gamble (BE)
Rupprecht Consult (DE)

Liaised with ALICE ETP

And more contacted…
Let us know if you are interested!