



We are the only worldwide network to bring together all public transport stakeholders and all sustainable transport modes.

OUR MISSIONS: every day we make a difference for our members and for the wider sustainable transport community.



ADVOCACY & OUTREACH

We engage with decisionmakers, international organisations, key stakeholders



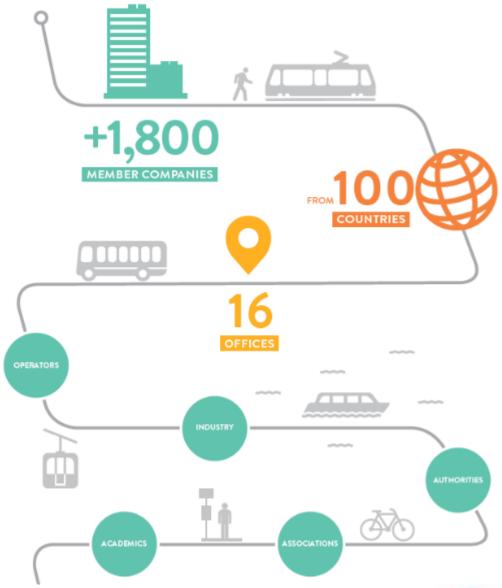
KNOWLEDGE

We generate cuttingedge knowledge and expertise



NETWORK & BUSINESS

We bring people together to exchange ideas, share best practice and forge partnerships





RESEARCH IS ESSENTIAL FOR PUBLIC TRANSPORT

- Niche market ROI
- Investments need to be carefully planned and will stay for long time
- Negative decisions have an immediate and big impact on the life of citizens
- Financial support for innovation risk sharing is fundamental
- Involvement of many different stakeholders & experts needed







INNOVATIONS ARE RESHAPING ALL HUMAN ACTIVITIES

Role of UITP and Associations

- Identify innovation incoming and anticipate the possible impact on the sector
- Help the design of innovative solutions, answering the needs of the sectors by involving all stakeholders

Objectives

- Help members to assess innovation impact in their business
- Support the decision (not promoting solutions but principles)
- Support the implementation











UITP active in EU-funded projects since 15 years

- First ranked European transport association for funding
- Coordination of & participation in 60+ projects

More collaboration with other Funding Actors

- World Bank, EBRD, EIB...
- But also UITP members (RTA Dubai, MoscowTran?)













K&I KNOWLEDGE PRODUCTION: PROJECTS (2020)

	Urban, Suburban, Regional and Water Bus Transport	Urban, Suburban, and Regional Rail Transport	Mobility Enablers	Mobility Governance	Stakeholders Excellence
Clean Transport	APOLLO (Bus) ASSURED (eBus) eLOBSTER (charge) JIVE, JIVE2 (Fuel Cell) BIOMOTIVE (Biomaterial)		SOLUTIONPLUS (International Cooperation)	CIVITAS-SATELLITE (policy)	
Digital Transformation		MY-TRACK (Trav. Comp) SMARTE (Travel Comp, Maintenance) RIDE2RAIL (Travel Comp, Suburban)	ARIADNA (GNSS) AUTOPILOT (IOT) DATA4PT (IT std) GALILEO4MOBILITY (GNSS)		
CCAM / NMS		SHIFT2MAAS (MaaS)	ARCADE (CCAM) CAD EMPLOY (CCAM) DRIVE2FUTURE (CCAM) SHOW (CCAM) SPACE (CCAM)		
Innovation Ecosystem	2 nd Hand Buses (EIB)	TER4RAIL(Research) IP4MAAS (Trav. Comp)	BE-OPEN (Open Science) FUTURE-RADAR (Road Research)	GECKO (Governance) UMII-2 (ecosystem)	PREVENT (Security Procurement)
Urban Mobility		CO-APS (Crowd space)		MOMENTUM (Modelling) MORE (urban space) SUMP-PLUS (rural) SMMR (AESEAN ME)	TRIPS (Accessibility)





INNOVATION MEGA-TRENDS IN PUBLIC TRANSPORT





Decarbonisation of all modes



New Mobility
Systems and Services



Digital Transformation of society and business



Safe & Secure solutions and Resilience



Design of the City of the Future





STRENGTH AND WEAKNESSES OBSERVED FOR FUTURE RESEARCH (1)

- Today the central role of Public Transport in Urban Mobility is recognized in research environment
- In Automation, right importance is given to integrating shared solutions with Public Transport
- Road Electrification is looking to operations not yet covered (ex. BRT), evolution of products, tools to finance and support the deployment
- **Hydrogen** is seen as more viable solution for some applications (including rail): focus on green production and cost reduction



 Digital Transformation exploring more use of standardised solution and focus on data transmission, protection and governance



STRENGTH AND WEAKNESSES OBSERVED FOR FUTURE RESEARCH (2)

- Cybersecurity gaining more and more importance, and space in research
- New mobility services well present but big question remains their governance model
- Safety gained unfortunately a lot of visibility: resilience in design of assets, new models of operation, health monitoring
- Urban Waterborne Public Transport: a very interesting niche, but unfortunately not well considered



• **Urban Rail research** is at **risk**! Not considered during past H2020, risk to suffer the same in the next Horizon Europe Programme – attention from all actors and Member States is important!



NO SUSTAINABLE MOBILITY WITHOUT RESEARCH

Environment is the key element touching all research aspects.

It will drive the main trade-offs about innovation



Evolve the business towards environmental sustainability is a must! Ensure business sustainability during this evolution is essential!





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