Polis Network

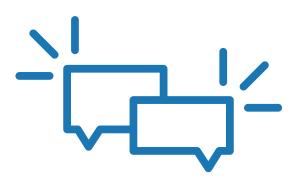
80+ members from small towns to big regions













Working Groups

EU projects

www.polisnetwork.eu



Policy & Advocacy



Polis pillars & working groups

Environment & Health



Traffic Efficiency







Road Safety & Security







- **Active Travel & Health**
- **Clean Vehicles & Air Quality**
- **Traffic Efficiency**: ITS, traffic management, automation, MaaS, data,...
- **Economic & Social Access**
- Parking •
- **Road Safety**: VRUs, data collection, vehicles and ISA, ...
- **Governance & Integration**
- Small and medium sized cities platform •
- **Urban Freight** •

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POLIS

Images created by Eliricon and by Alexander Gruzdev, Lorie Shaull, Andrey Vasiliev, Sherrinford from the Noun Project

Test innovative measures



- European research and innovation projects
- Transfer of knowledge and good practices



Local Living Labs









Access regulation

"Create a more common approach amongst cities and Member States to issues such as vehicle categories, enforcement, exemptions, pricing, and information provision" (EC Non-binding guidelines UVAR)

- Facilitate the exchange of best practices and capacity building for cities
- Make traffic information available to users in real time
- Increase the systems transparency and make information available to users and operators
- Collect data on existing schemes and evaluate their effectiveness
- Address the fragmentation of the schemes while respecting subsidiarity



www.urbanaccessregulations.eu

Regulate to innovate

Different functions Private sector role expansion Changes in user expectations Technological progress

The demarcation between public and private sector becomes more confusing

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Need for public sector oversight

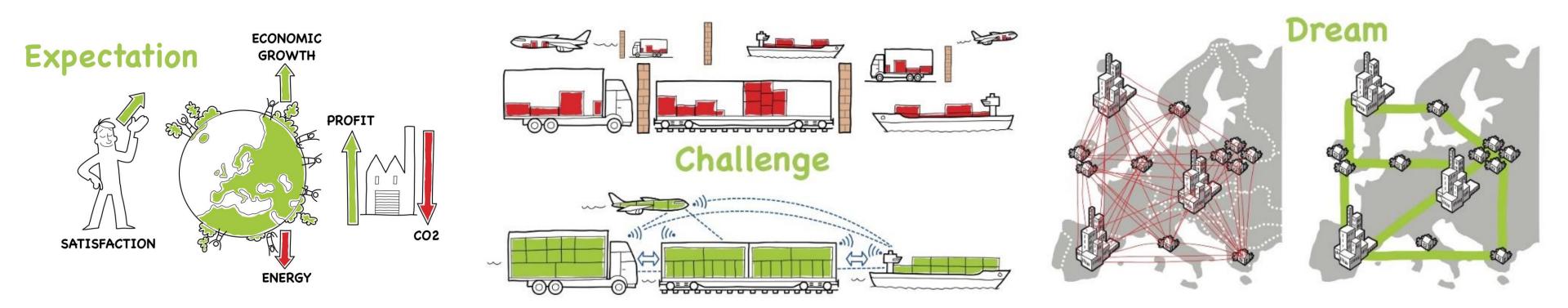
Close cooperation with private sector



Alliance for alce **Logistics Innovation** through Collaboration in Europe

THE European Technology Platform for Logistics Research & Innovation Formal mandate of the European Commission in defining R&I Program*

* What are the European Technology Platforms, what do they do and what is the European Commission Role





Activities performed partially in the frame of WINN, SETRIS & SENSE Projects. WINN, SETRIS & SENSE projects have received funding from the European Union's FP7 and Horizon 2020 research and innovation Programme under grant agreements No. 314743, No. 653739 and No. 769967

ALICE membership per type of organization

Type of Organization	Members
Shippers & Retail	P&G L'ORÉAL pro%imus
Logistics Service Providers, Courier and Postal operators & Freight Forwarders	Construction Weiss Geodis Borusan M>LOGISTIC F LINEAS Construction Construction Construction F
Ports, Hubs, Intermodal terminals & Transport Infrastructure	Reference Rifkswaterstaat Inistry of Infustructure Inistry of Infustructure Inininfustructure Inistry of Infustructure </td
Vehicle Manufacturers & Logistics operations, handling (modular units)	VOLVO SCANIA TEVVA 💜
Information and Communication Technologies & Consultancy	VINTURAS MARLO SILENTOS OFFECO
Regional & National Logistics Clusters & Associations	VEREIN NETZWERK LOGISTIK WEREIN NETZWERK LOGISTIK LOGISTIK WEREIN LOGISTIK LO
Research and technology Centers	
European Technology Platforms /PPPs	WATERBORNE SOURCE OF SOLUTIONS
Member States and innovation Funding*	We performent for Transport Windsty of Infrastructure and the Extensions Image: Construction of the Second Se

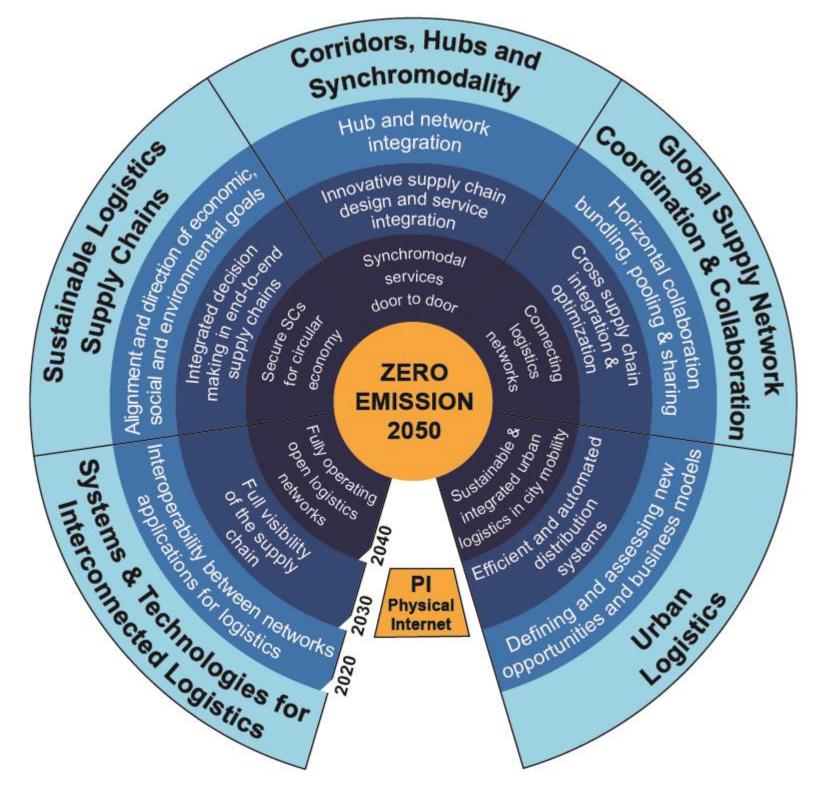


Commission

* Involved in ALICE Mirror Group

EU/International Associations cefic G (GS)ELUPEG COLRUYTGROUP HOFER ESC CLECAT ÉCG **Poste**italiane Sesé EALTH RI = VIZOR 4 European valenciaport rt de Barcelona Autoridad Portuaria de Valencia Puerto de 🕶 TEPORT duisport 🧾 Algeciras 📂 PONERA O LOGIFRUIT eucar NXMOVE R OPERA 🔀 DAC ERTICO HaCon oith PTV GROUP POM 'ERING CS Smart Freight Centre LORISTICS WALLOWA Ð RI. SE tơi ectri eorgia Physical Internet Centernet LOGISTICS terdam Un oplied Scie POLITÉCNICA X/MK TU/e WB . ti assessme for life **** * MANUFUTURE-EU **** * bm DURG VINNOVA

ALICE Themes and Roadmap



(Zero Emissions Urban Freight in main European Cities)

Physical Internet concepts bring efficiency and sustainability to Logistics. It cannot fully solve the **Decarbonization Challenge**, but it will make it less onerous to meet.

And can deliver results in the critical next 10 years



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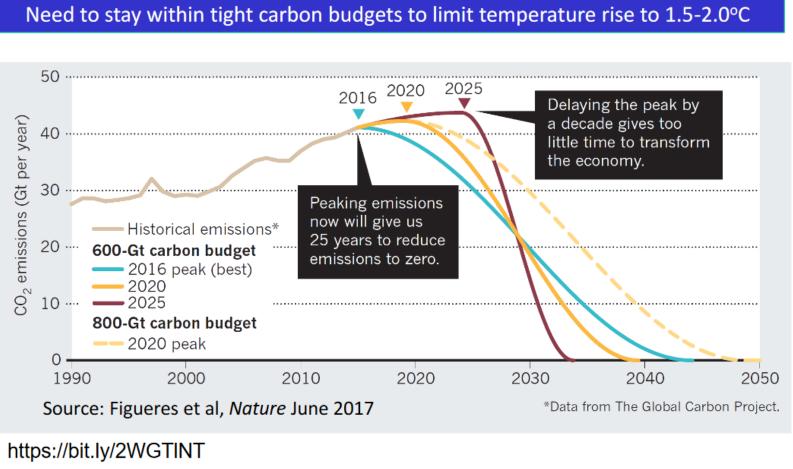


ALICE VISION is to realize Physical Internet by 2030 to pave the way to **Zero Emissions by 2050**

Which are the challenges addressed through the **Physical Internet?**

- We need to move fast to meet Climate Targets!
- Moving to greener assets and energy is not enough \rightarrow too slow and unaffordable!
- **Short term opportunity**?
 - Existing idle capacity of assets and infrastructure in all modes of transport:

Empty trips in all modes, low load factors, few items delivered per stop, overloaded vs unused infrastructure, congestion, too many returns, too fast/dedicated inefficient deliveries...



Need to embed concept of carbon budgeting into logistics decarbonisation strategies

How can we leverage these benefits? \rightarrow Opening and connecting non-efficient networks



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Carbon Budgeting

Cities & Industry Dialogue Group presentation



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Giacomo Lozzi, Polis Network

Fernando Liesa, ALICE

Cities, regions & industry involved

Cities, regions	& i	ndustry	v involve	d	
 Large Cities Amsterdam Brussels Mobility Budapest (BKK) Dresden Dublin Gothenburg Rome 	GłGrLa	Medium / Sn Ibao hent roningen Rochelle uven	 Liège (Groupement de Redéploiement Economique) Helmond Southampton 		fGM)
Type of Company Shippers & Retail		P&G	Mem ĽORÉAL	proွိျကျပန	COLRUYT GROUP
Logistics Service Providers, Courier and Postal Operators & Freight Forwarders		GEODIS	Gebrüder Weiss Transport und Logistik	>LOGISTIC	Poste italiane
Real Estate		() JLL			
Vehicle Manufacturers		VOLVO	SCANIA		TEVVA
ICT & Technology		PTV GROUP the mind of movement			
Alliance for Logistics Innovation through Collaboration in Europe					OLIS REGIONS FOR TRANSPORT INNOVATION

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Vision and Objective

Vision: Lead transformation in cities so urban freight and logistics is proactively responding to the pollution, congestion, safety and environmental challenges.

Objective: Ensure a strong strategic industry & cities dialogue to share practices and facilitate collaboration models between cities and industry to prioritize topics and accelerate deployment of solutions towards sustainable zero emissions urban freight and city logistics

Collaboration, Courage and Data





Approach

Framework for compilation, sharing and discussion of measures, practices, policies and experiences

Provide direction to cities, regions, industry and European Institutions

- Learning, take up, scale and replication
- Consensus building: matching / conflicting interests between cities & industry
- Identification of remaining gaps
- Define common targets and shared principles
- Speed up innovation implementation
- Directions to Horizon Europe Program



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Activities & outcomes

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FL.		

- **Position paper**: brief document including main focus points, key messages and shared principles to give direction to cities, regions, industry and European Institutions.



- Web-meetings with key participants: present cases, discuss implications for both private and public sectors and identify success factors



- **Physical meeting(s)**: Share and discuss strategy and define priorities.

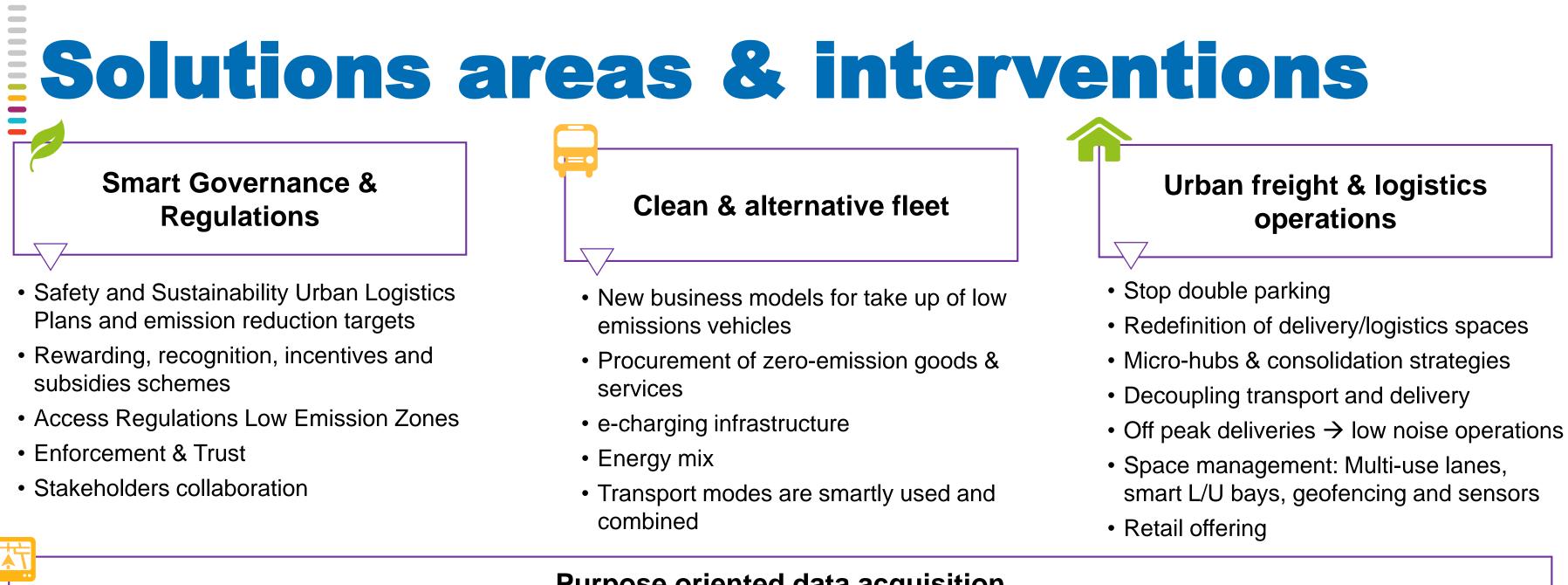


Best practices compilation: living PPT document with measures, practices and policies that prove to be effective for both public-private sectors, are scalable and trasferable.

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Purpose oriented data acquisition

- Better understand urban freight
- Information based policies and decision making
- People engagement

- Consumer behaviours
- Workers skills and safety

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Smart Governance & Regulations

Involve stakeholders to distinguish typologies/flows and needs

Enforcement is key to ensure level playing field



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Develop ZE/ULEZ implementation principles for replication

> Development of **baseline for emissions** in cities

Key principles & messages

Build **set of indicators** for monitoring progress and effectiveness of ZE/ULEZ

Incentives, subsidies and restrictions required to speed up transition



CITIES AND REGIONS FOR TRANSPORT INNOVATION

Clean & alternative fleet

Need for clean but also **noisefree** and **safe** fleet

Adapt and ensure echarging infrastructure



Alliance for Logistics Innovation through Collaboration in Europe Smart combination of vehicles – from heavy trucks to cargo bikes

> For a **positive TCO**, electric trucks need to be used extensively

Key principles & messages

Flexible transition timing for trucks, if alternatives are worse-off

Harmonized definition of type of **vehicles accessing ZE/ULEZ** across cities

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Urban freight & logistics operations

Customer responsibility & retail offering

Goods consolidation, bundling (Microhubs & Routing)



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Innovative concepts and services for ZE Urban Logistics

> Shared use of spaces (depots, charging) loading and unloading

Key principles & messages

Night/off-peak delivery

Decoupling transport & delivery



CITIES AND REGIONS FOR TRANSPORT INNOVATION

Partnership Towards Zero-emission Road Transport(2ZERO)From a vehicle focus to a

Green Cars 2008-2013

system approach

- Focus on electrification
- Cars, Long distance / Trucks and logistics

Green Vehicles 2014-2020

- Energy efficiency of vehicles using alternative powertrains, including electric powertrain
- 2wheelers, cars, vans, buses, coaches and trucks

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2Zero 2021 - 2027

System approach for 0 emission road mobility for people and goods

- Carbon-neutral EU by 2050: Overall system solutions for 100% renewable energy in transport
- All type of road vehicles
- Sector interconnection and interoperability (vehicles, energy, logistics, infrastructure, ...)







The Call for Sponsors & Exhibitors is now open!

2-3 DECEMBER 2020 ARNHEM-NIJMEGEN CITY REGION, NETHERLANDS

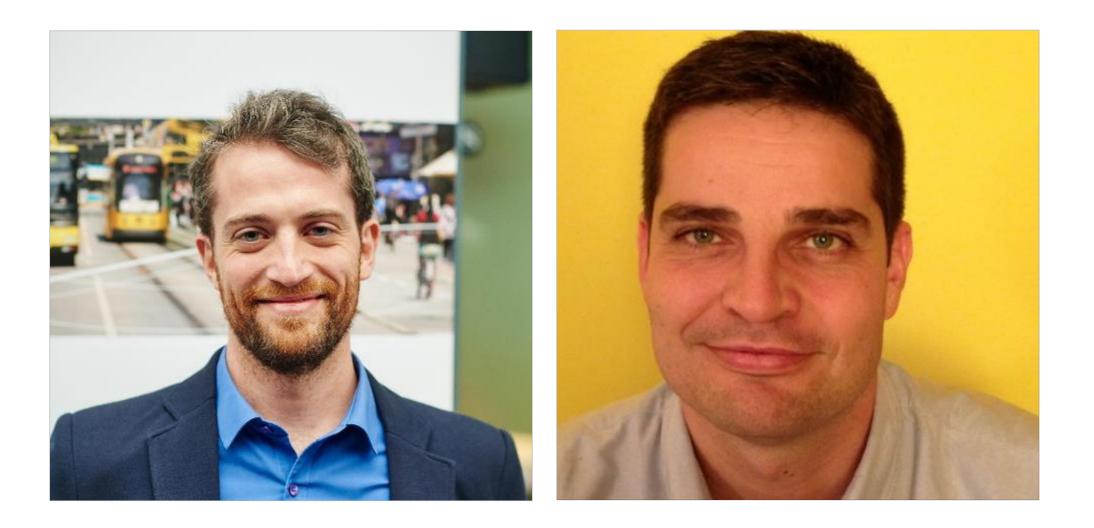
- Polis-ALICE Position paper launch: document including main focus points, key messages and shared principles to give direction to cities, regions, industry and European Institutions.
- Urban Mobility Green Deal-Makers Summit: city and regional political representatives will engage in a dialogue with EU representatives, to show their side of the Green Deal, and discuss how the EU can support the local and regional level to perform even better!
 - Tell us all about your local actions to make transport better by completing the online form (under construction).

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Thank you!

Questions?



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