

Industry lead logistics innovation for a more competitive and sustainable industry

The European Technology Platform ALICE

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Alliance for
Logistics Innovation
through Collaboration
in Europe



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2. The vision for ALICE organization
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5. ALICE value for members
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ALICE, Alliance for Logistics Innovation through Collaboration in Europe

not-for-profit association, registered in Brussels, since 2015

Recognized by the European Commission as a *European Technology Platform*¹

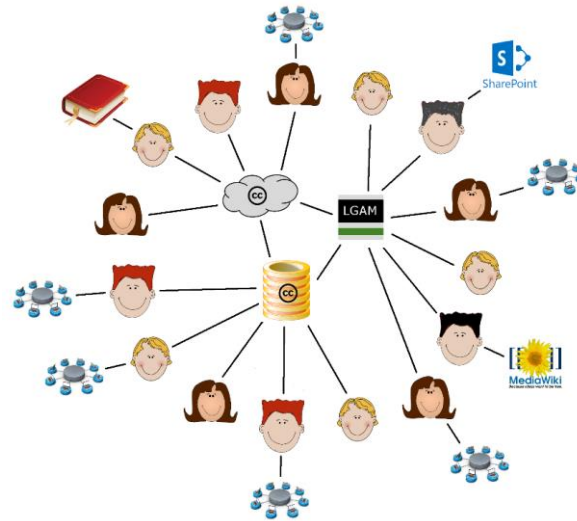
Who is ALICE

1. European Technology Platforms, ETPs are industry-led stakeholder fora that develop short to long-term research and innovation agendas and roadmaps for action at EU and national level to be supported by both private and public funding. More Info on ETPs http://www.etp-logistics.eu/wp-content/uploads/2021/03/Logistic-TP-recognition-SWD_2013_272_F1_STAFF_WORKING_PAPER_EN_V2_P1_735480.pdf

ALICE membership is bringing an holistic approach → All key logistics stakeholders represented!

Type of Organization	Members	EU/International Associations
Shippers & Retail	        	   
Logistics Service Providers, Courier and Postal operators & Freight Forwarders	                   	   
Ports, Hubs, Real Estate companies, Intermodal terminals & Transport/Energy Infrastructure	           	 
Transport and industry vehicles, packaging & material handling	      	 
Information and Communication Technologies & Consultancy	                           	
Regional & National Logistics Clusters & Associations	                	
Research and technology Centers	                     	 
European Technology Platforms / PPPs	    	
Member States and innovation Funding*	     	

*Involved in ALICE Mirror Group



New concepts – influence - knowledge management – collaboration

Mission: acceleration of decarbonization in affordable way

ALICE Chair and Vice-Chairs



Sergio Barbarino
ALICE Vice Chair

Research Fellow



Francois Regis Le Tourneau
ALICE Chair

Vice President Corporate Responsibility -
L'Oréal For the Future.



Nik Delmeire
ALICE Vice Chair

Coordinator



Pieter Leonard



Capability Manager
Supply chain food
transport



Salvador Furió



Director of Innovation
& Port Cluster
Development



Angelos Amditis



Research Director



Lars Deiterding



Executive Director



Michael Archer



Strategy Development
Director, Europe



Charlotte Migne



Group Sustainable
Development Director

Thematic Group Chairs

**Efficient and
Low Emissions
Assets and
Energy**

**Corridors, hubs
and synchro-
modality**

**Systems and
Technologies for
Interconnected
Logistics**

**Supply Network
Coordination &
Collaboration**

**Urban
Logistics**

Efficient and Low Emissions Assets and Energy

Corridors, hubs and synchro-modality

Systems and Technologies for Interconnected Logistics

Supply Network Coordination & Collaboration

Urban Logistics



Pieter Leonard



Alain Baeyens



John Smith



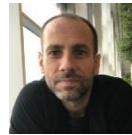
Lóri Tavasszy



Rik Arends



Andrea Condotta



Salvador Furió



Kris Neyens



Zisis Palaskas



Thomas Van Asch



Lars Deiterding



Jon Kuiper



Andreas Nettsträter



Angelos Admitis



Giannis Kanellopoulos



Michael Archer



Bas van Bree



Serge Schamschula



A Brambles Company



Jan Tore P.



Jannicke Baalsrud



Charlotte Migne



Paola Cossu



Hans Schurmans



Magnus Blinge





Fernando Liesa
Secretary General



Dirk 't Hooft
Director Finance
& Legal



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Director
Operations & IT



Yanying Li
Head of Programmes and
Knowledge Management



Tomas Ambra
Programmes Manager
& Technical Lead



Elvina Nowak
Project Manager



Stefanie Van Damme
Project Manager &
Technical Lead



Máximo Martínez
Project Manager &
Technical Lead



Andrea Annunziata
Project Support and
Knowledge Manager



Pablo Segura
Project Support and
Knowledge Manager



Mar Vicente
ALICE Secretariat Support &
ZLC Research Office Assistant

ALICE vision, mission, roadmaps and Thematic Groups

ALICE Thematic groups (TGs)
and link to roadmaps

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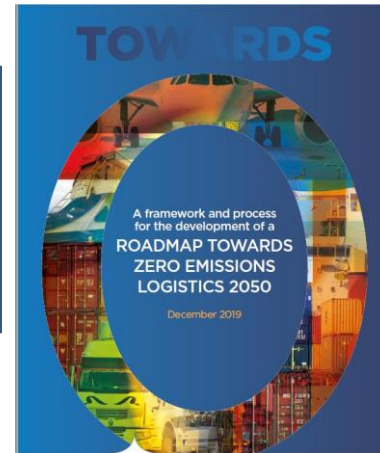
ALICE VISION

Freight transport and logistics is
climate neutral and zero emission.
Physical Internet paves the way to
achieve this transition in an
affordable way

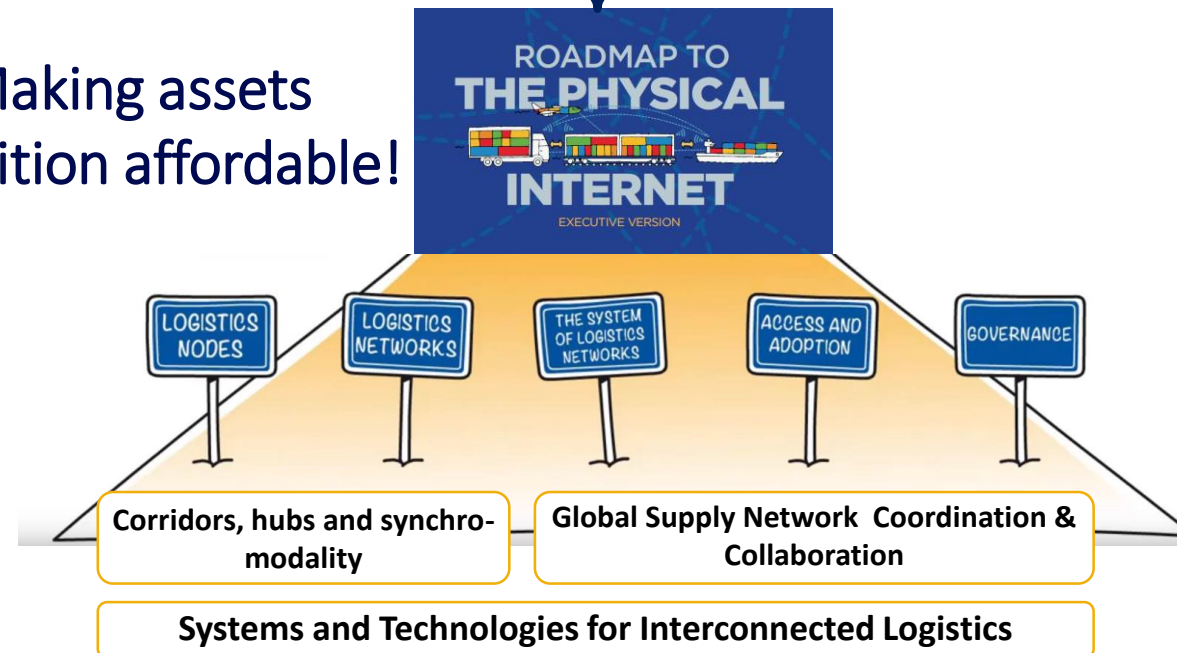
ALICE MISSION

Support our members and
stakeholders to achieve logistics
decarbonization in an affordable
way

Having a clear medium-long term
roadmap supports ALICE and its
members to focus on short term
actions and impacts



Making assets
transition affordable!



Urban Logistics

Corridors, hubs
and synchro-
modality

Global Supply
Network
Coordination &
Collaboration

Efficient and Low Emissions
Assets and Energy

FREIGHT DEMAND
GROWTH IS
MANAGED



TRANSPORT
MODES ARE
SMARTLY USED
AND COMBINED



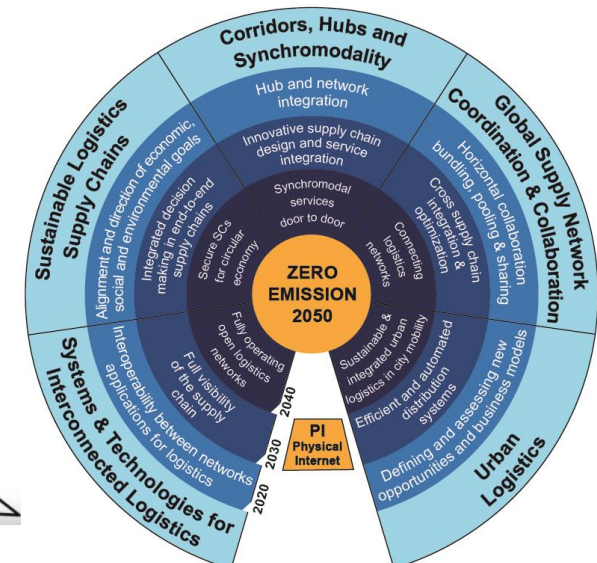
FLEETS AND
ASSETS ARE
SHARED AND
USED TO THE MAX

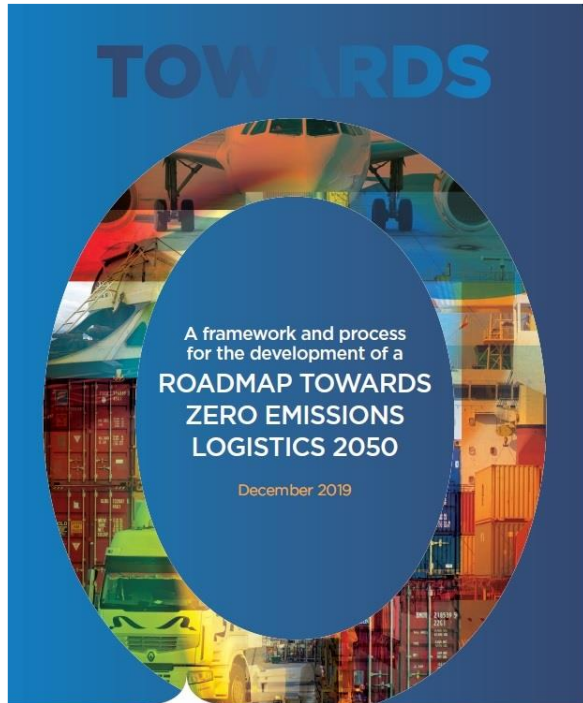


FLEETS AND
ASSETS ARE
ENERGY EFFICIENT



FLEETS AND ASSETS
USE LOWEST
EMISSIONS ENERGY
SOURCE FEASIBLE





FREIGHT DEMAND GROWTH IS MANAGED



- Supply chain restructuring
- Localization and nearshoring
- Decentralization of production and stockholding
- 3D printing
- Dematerialization
- Consumer behavior

TRANSPORT MODES ARE SMARTLY USED AND COMBINED



- Increased use of rail
- Increase use of short sea shipping and inland waterways
- Modular road transport
- Cargo bikes
- Multi-modal optimization
- Synchromodality

FLEETS AND ASSETS ARE SHARED AND USED TO THE MAX



- Load optimization
- Load consolidation and asset sharing
- Reduce empty moves
- Modular packaging and boxes
- Open transport networks and warehouses
- Increase storage density and energy efficiency

FLEETS AND ASSETS ARE ENERGY EFFICIENT



- Cleaner and efficient technologies
- Efficient vehicles and vessels
- High capacity vehicles / duo trailers
- Driving behavior
- Fleet operation
- Fleet maintenance

FLEETS AND ASSETS USE LOWEST EMISSIONS ENERGY SOURCE FEASIBLE



- Electric / hybrids
- Solar / Wind
- Biofuels
- Hydrogen
- CNG/bio-LNG
- Cleaner diesel
- Fuel management

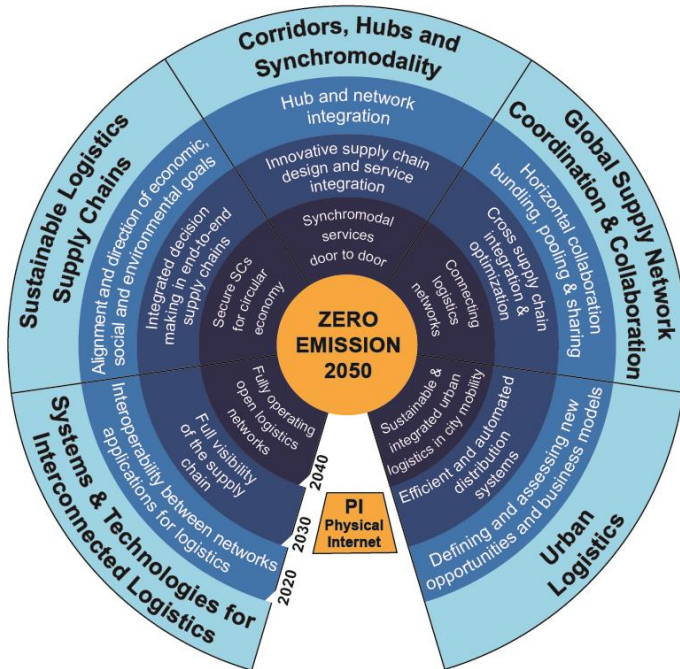
© Smart Freight Centre and ALICE-ETP based on A. McKinnon 'Decarbonizing Logistics' (2018) Roadmap Towards Zero Emissions Logistics 2050. ALICE (2019) www.etp-alice.eu

[Link to the document](#)

**Additional
focus needed**

Current focus

Making assets transition affordable!

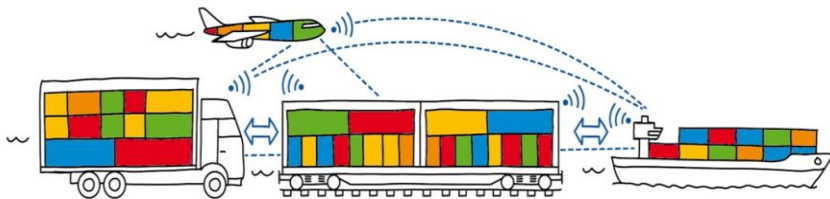


ALICE VISION: freight transport and logistics is climate neutral and zero emission. Physical Internet paves the way to achieve this transition in an affordable way

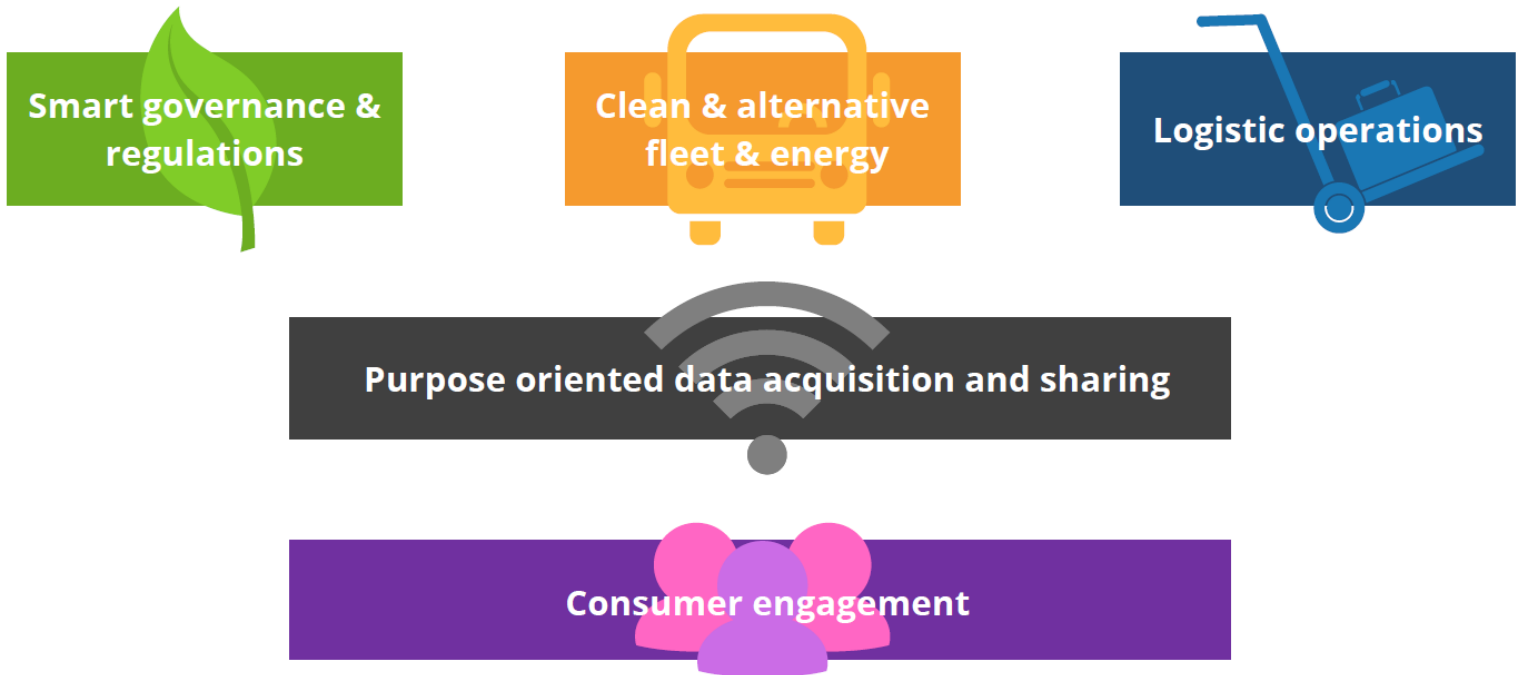
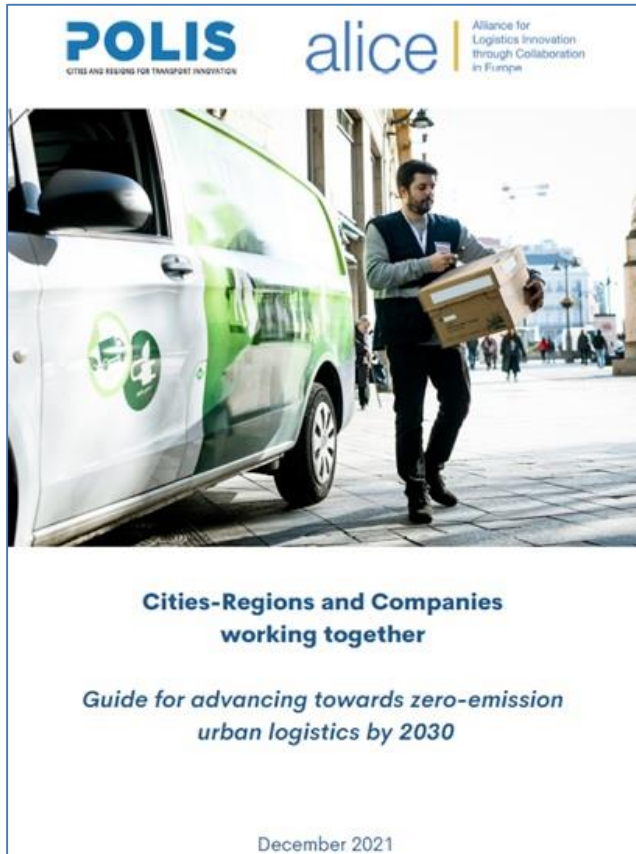
- **Physical Internet (PI)** enables seamless access to resources and assets in open, connected and shared networks
- Enabling companies to seamlessly **consolidate flows and increase assets utilization**.
- PI includes transport, storage and physical handling operations of load units.
- It brings **efficiency, resilience and agility** = savings invested in vehicles and energy transition.
- PI concepts can **deliver results in the critical next 10 years**

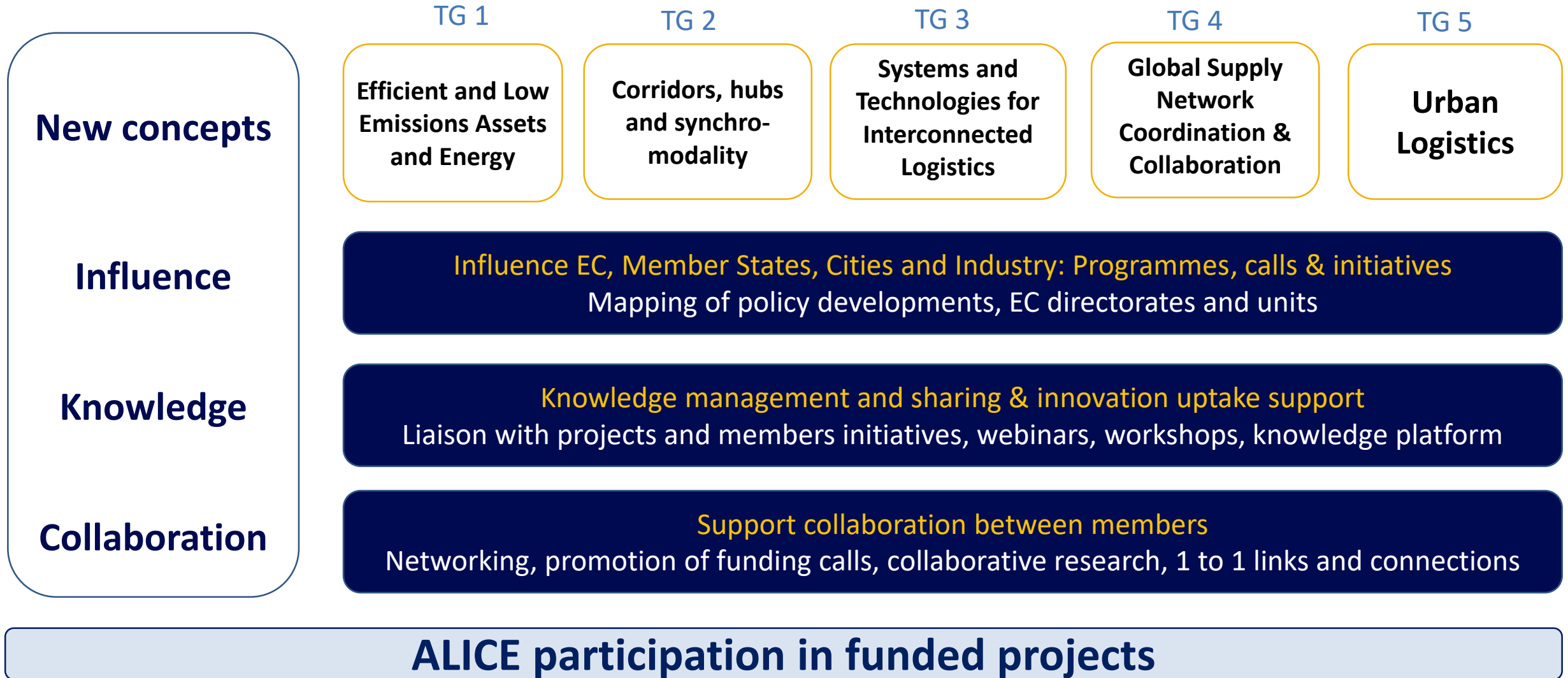
THE PHYSICAL INTERNET

Interconnected logistics networks, sharing assets and capabilities



Joint guide advancing towards zero-emissions urban logistics by 2030





Specific programmes and activity fields 2023

New in 2023

Efficient and Low Emissions Assets and Energy

2ZERO: Zero Emissions Road

Hydrogen Europe

GHG emissions measurement and reporting (SFC)

Low emissions assets availability

Countries and regions decarbonization programmes/funding

Corridors, hubs and synchro-modality

Europe's Rail Partnership

5th Transport Mode

Air Cargo

Inland Waterways

MoU with Waterborne

Resilient Transport Networks

Systems and Technologies for Interconnected Logistics

Data sharing, DTLF and eFTI

5G

Artificial Intelligence

Digital Twins

Global Supply Network Coordination & Collaboration

PoolUp project

Increase use of rail

LTL consolidation

Readiness for Scale/beyond TRL

Decision trees for companies

Urban Logistics

Smart governance and regulations

Clean & alternative fleet

Innovative operations

Urban data

Consumer engagement

EC expert group on Urban Mobility (EGUM)

Influence

Policy mapping

Mapping relevant EU policies

Influence Horizon Europe Funding Calls

Contribute to Consultations

Participate in European Expert Groups, DTLF & EGUM

Events participation

Knowledge management/sharing and innovation uptake support

Innovation Marketplace

R&I projects Liaison Programme

Knowledge Platform

Webinars and workshops

IPIC 2023

TRA 2024

Support collaboration between members:

Enable 1 to 1 connections

CEF Calls

Horizon Europe

Funded Projects

BOOSTLOG

PIONEERS

FENIX

Seamless

URBANE

ENTRANCE

Cristal

MultiReload

MODI

ZEFES

STRENGTH-M

Proposals preparation

ALICE value for members

Shared vision to build an innovation eco-system in Supply Chains to accelerate affordable transition towards zero emissions logistics

European **competences** and capabilities in innovation and sustainable Logistics

Strong **knowledge management**: Member's initiatives & 60+ R&I projects

Finding the **right people to collaborate**: Sustainability, Innovation and Public Affairs functions enable different discussions than procurement (supplier-customer)

ALICE is the **link to the EC** freight transport and logistics innovation and funding program and can influence EU policies

ALICE is the platform to **brainstorm, network, share new ideas** and support companies in their implementation

Membership fee



Industry members and companies (public or private):

- Companies with less than 250 employees and less than € 50 million turnover. € 1.500
- Companies with less than 1,000 employees and less than € 250 million turnover € 3.000
- Companies with more than 1,000 employees and more than € 250 million turnover € 4.500

(1) For new companies and start-ups, 60, 40 and 20% reductions of the fee are applied in the first 3 years of membership. It is applicable for companies with less than 3 years old. Send justification together with the form.

How to become member of ALICE ?



Link to website

<https://www.etp-logistics.eu/how-to-join/>



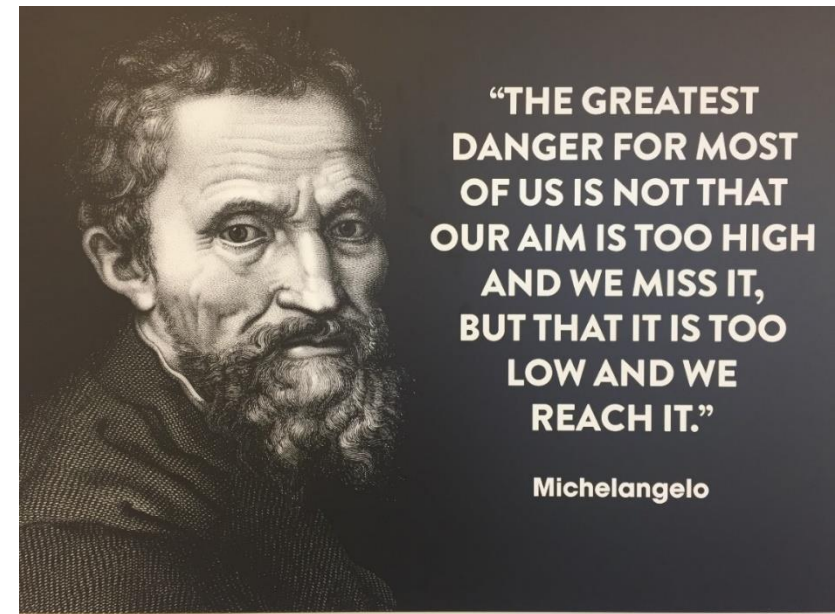
Application form download:

[Link](#)

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Thank you!



The Best Way To Predict The Future Is To Create It!

Source: President Abraham Lincoln



If you want to go fast, go alone If you want to go far, go together

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