Industry lead logistics innovation for a more competitive and sustainable industry

The European Technology Platform ALICE





Who is ALICE

ALICE, Alliance for Logistics Innovation through Collaboration in Europe

not-for-profit association, registered in Brussels, since 2014

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

1. European Technology Platforms, ETPs are industry-led stakeholder for 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/Logistric-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!

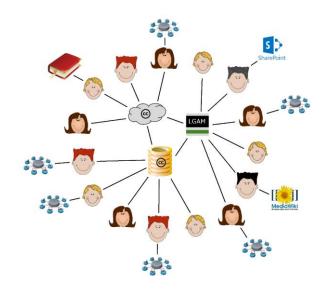
Type of Organization	Members	EU/International Associations
Shippers & Retail	P&G L'ORÉAL Proximus Cher A Brankles Congany PEPSICO PER COLRUYTGROUP Vailever Nestle	ESC ELUPEG (GS)1
Logistics Service Providers, Courier and Postal operators & Freight Forwarders	Georgiador Weiss GEODIS BORUSAN LOJISTIK SMLE DESUB SPSE Sender Posteitaliane URBICO SGRUBER COOCISTICS COOCISTICS TRI = VIZOR COOCISTICS COOCISTICS	CLECAT CCG The Association of General Purity of East Purity of Control Purity of Con
Ports, Hubs, Real Estate companies, Intermodal terminals & Transport/Energy Infrastructure	Port of Rotterdam Stitmmental Stitmment	EPORT European Platform
Transport and industry vehicles, packaging & material handling	VOLVO SCANIA LOGIFRUIT KION TOPONERA PISIN	eucar acea
Information and Communication Technologies & Consultancy	MARLO ALSIC SILENT SENSORS PRODUCTBLOKS GreenRouter Sensors Company C	ERTICO
Regional & National Logistics Clusters & Associations	LIMOWA CPLS LOgistop Digital HUB AirCargolalgium	Smart Freight Centre
Research and technology Centers	Fraunhofer Fraunh	ectri ELA
European Technology Platforms /PPPs	WATERBORNE ERTRAC WATERBORNE ERTRAC MANUFUTURE:EU MANUFUTURE:E	
Member States and innovation Funding*	Department for Transport TEI DINALOG LEVE TO TRANSPORT TEI DINALOG	



Mission: acceleration of decarbonization in affordable way

European leading companies and experts implementing logistics and supply chain innovation

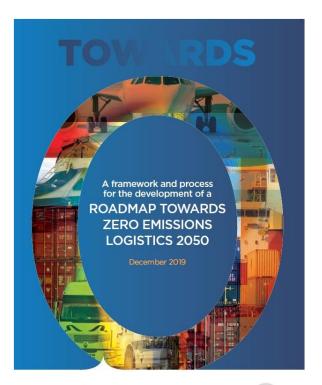






New concepts – innovation uptake – knowledge management

Influence & Collaboration



Alliance for Logistics Innovation through Collaboration in Europe



Link to the document

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 / hybridsSolar / Wind
- Biofuels
- Hvdrogen
- CNG/bio-LNG
- Cleaner diesel
- Fuel management

© Smart Freight Centre and ALICE-ETP based on A. McKinnon 'Decarbonizing Logistics' (2018)

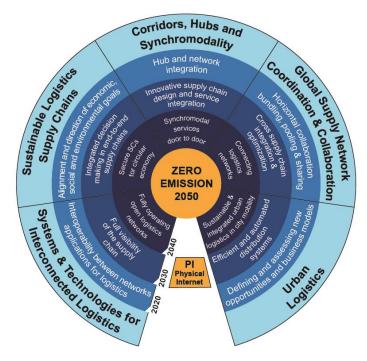
Roadmap Towards Zero Emissions Logistics 2050. ALICE (2019) www.etp-alice.eu

Additional focus needed

Current focus

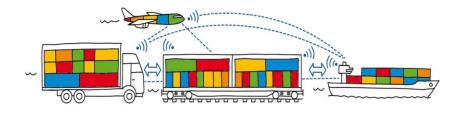
Making assets transition affordable!





THE PHYSICAL INTERNET

Interconnected logistics networks, sharing assets and capabilities



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

Joint guide advancing towards zero-emissions urban logistics by 2030







ALICE vision, mission, roadmaps and Thematic Groups

ALICE Thematic groups (TGs) and link to roadmaps

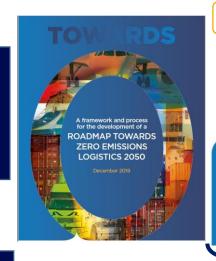


Logistics Innovation through Collaboration

POLIS

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



Urban Logistics

Corridors, hubs and synchromodality

Global Supply Network **Coordination &** Collaboration

Efficient and Low Emissions Assets and Energy

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working togethe

urban logistics by 2030

FREIGHT DEMAND **GROWTH IS** MANAGED



TRANSPORT MODES ARE **SMARTLY USED** AND COMBINED

FLEETS AND FLEETS AND ASSETS ARE ASSETS ARE SHARED AND ENERGY EFFICIENT USED TO THE MAX



EMISSIONS ENERGY **SOURCE FEASIBLE**

FLEETS AND ASSETS

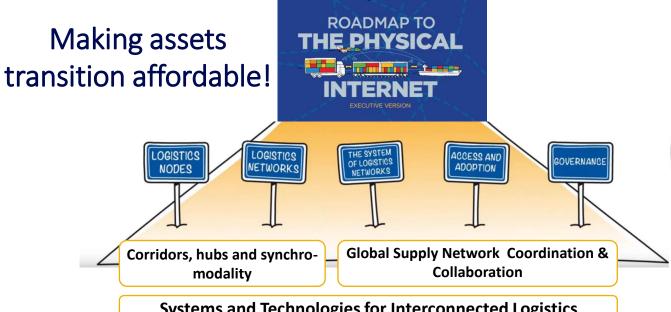
USE LOWEST



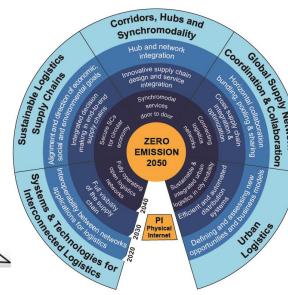
ALICE MISSION

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



Systems and Technologies for Interconnected Logistics



ALICE structure in thematic groups and horizontal areas of activity



New concepts

Emissions Assets and Energy

TG 1

Efficient and Low

Corridors, hubs and synchro-

modality

TG 2

Systems and Technologies for Interconnected Logistics

TG 3

Global Supply
Network
Coordination &
Collaboration

TG 4

Urban Logistics

TG 5

Influence

Knowledge

Collaboration

Influence EC, Member States, Cities and Industry: Programmes, calls & initiatives

Mapping of policy developments, EC directorates and units

Knowledge management and sharing & innovation uptake support Liaison with projects and members initiatives, webinars, workshops, knowledge platform

Support collaboration between members

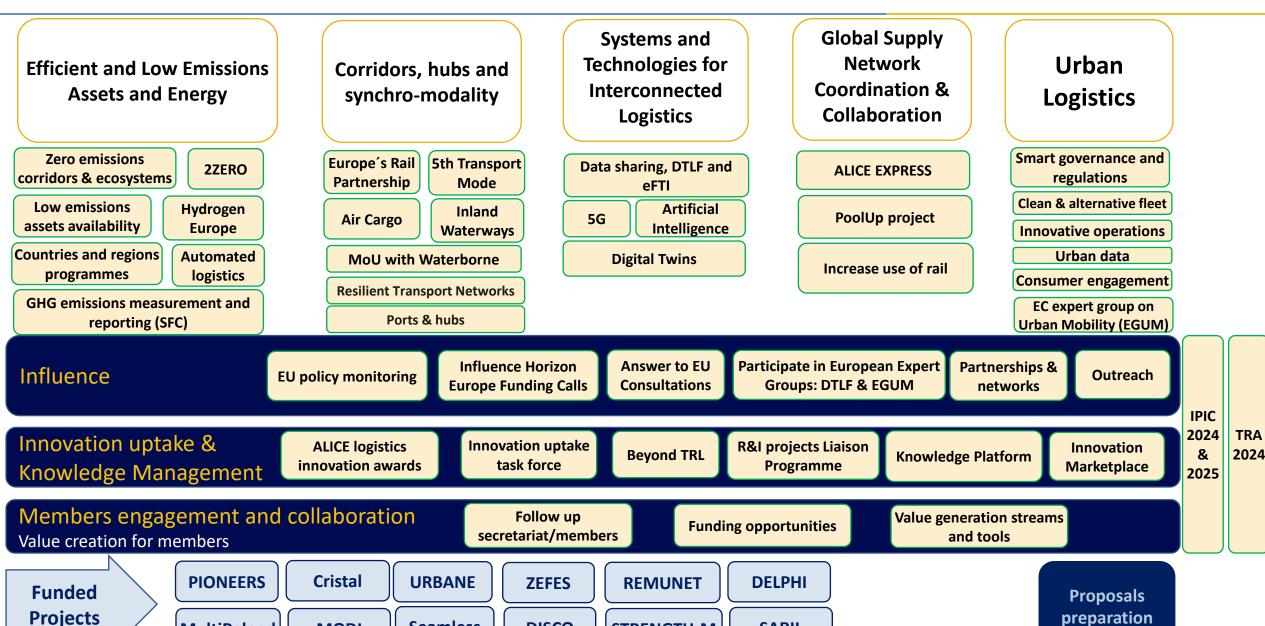
Networking, promotion of funding calls, collaborative research, 1 to 1 links and connections

ALICE participation in funded projects

Programmes, activity fields and projects 2024

MultiReload





STRENGTH-M

SARIL

Seamless

DISCO

MODI





Sergio Barbarino **ALICE Vice Chair**

P&G Procter & Gamble

Research Fellow



Francois Regis Le Tourneau **ALICE Chair**

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

L'ORÉAL



Nik Delmeire **ALICE Vice Chair**

Coordinator European Platform

Efficient and Low Emissions Assets and **Energy**

Corridors, hubs and synchromodality

Systems and **Technologies for** Interconnected Logistics

Global Supply Network Coordination & Collaboration

Urban Logistics

Thematic Chairs



Andrea Condotta

GRUBER



Salvador Furió



& Port Cluster



Angelos **Amditis**



Lars Deiterding

HaCon

Executive Director



Michael Archer



Strategy Development Director, Europe



Hans Schurmans



Paola Cossu





Logistics operations Director

C.E.O. & Shareholder

Press release: Link

LinkedIn post: Link

Public affairs, Sustainability Director of Innovation & Innovation Director Development

Research Director

No.

ALICE Thematic Groups Chairs & Vice-Chairs



TG 5

Urban

Logistics

TG 1

Efficient and Low Emissions Assets and Energy



GRUBER LOGISTICS

Andrea Condotta



Alain **Baeyens**





Zeljko

Lóri

Tavasszy

Tharsis

Teoh

John **Smith**



TG 2

Corridors, hubs and synchro-modality



Salvador Furió







Zisis **Palaskas**





Thomas Van Asch



TG 3

Systems and **Technologies for Interconnected Logistics**











Jon Kuiper

Lars Deiterding











Bas

van Bree



Tore P.

CHEP A Brambles Company







Hans Schurmans







Magnus Blinge













Paola Cossu











Jannicke



TG 4

Global Supply

Network

Coordination &

Collaboration

Michael Archer























David

Ciprés





Giannis Kanellopoulos





Fernando Liesa Secretary General



Dirk 't Hooft Director Finance & Legal



Indrek Ilves Director IT & systems



Yanying Li Head of Programmes and **Knowledge Management**



and TG3



Elvina Nowak Project Manager



Pablo Segura Project and **Knowledge Manager**



Stefanie Van Damme Project Manager & **Technical Expert**



Máximo Martínez Project & members support



Marion Cottet Project Manager



Andrea Annunziata Policy Monitoring & Support



Mar Vicente ALICE Secretariat Support & ZLC Research Office Assistant



Edgar Perez Finance, admin and communications support

ALICE value for members

Shared vision to build an innovation eco-system s to accelerate affordable transition towards zero emissions logistics & supply chains

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.

Membership fee



- National and regional Technology Platforms
- National Logistics Associations
- Logistics Clusters
- Non-governmental organisations
- Other stakeholders

€ 1.500

How to become member of ALICE?





Link to website

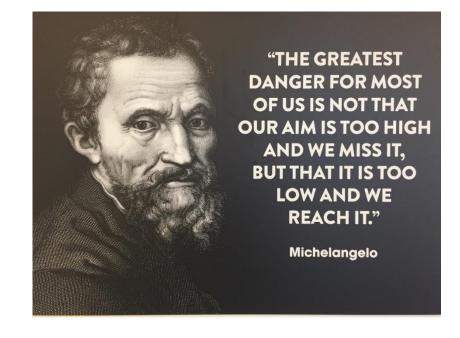
https://www.etp-logistics.eu/how-to-join/

Application form download:

<u>Link</u>



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







