

Industry lead logistics innovation for a more competitive and sustainable industry

The European Technology Platform ALICE

Defining R&I needs

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Alliance for
Logistics Innovation
through Collaboration
in Europe

- **Strategic proposals/targets:**
 - Build zero emissions freight transport corridors 2030
 - Idea embraced during TRA 2022 and being further developed. Focus on road transportation
 - Seamless and interconnected zero emission logistics operations at scale in 2040
- **Instruments:**
 - Design how current instruments can support the proposals (e.g. Horizon Europe & partnerships, CEF, Innovation Funds, EIB..)
 - Identifying gaps

Further input collected in the workshop on 1st of March ([Link](#))

Preliminary list from ALICE & BOOSTLOG recommendations + new topics collected

Topics for the calls 2025-2027 identified so far:

1. Preparatory CSA for the ***integration of freight and logistics needs in the upcoming programme after Horizon Europe.***
2. Addressing Circular economy: ***New PPWR aiming at reusable transport packaging (30% by 2030, 90% by 2040)***
 1. Implication for goods transportation.
 2. Developing and integration of load units (boxes), tools for security/stowage of cargo, transportation units (trailers) and loading/unloading processes. If and how these concept could help to address this challenge.
3. ***Building on eFTI to achieve further use cases/business models to allow the expansion of digital transport and logistics.*** eFTI will be in place as of 2025 addressing digital process in a small scope of freight and logistics processes. Universal, open and affordable solutions and tools are needed to achieve digital interconnectivity of logistics systems with minimal integration effort addressing SMEs needs and capabilities and expanding eFTI use cases to B2B processes. Support eFTI adoption.
4. ***Skills and workforce gaps and development in freight transport and logistics.*** truckers shortage, available profiles for warehouses/logistics operations + requirement of new skills due to the companies decarbonization strategies, integration of new energies, vehicles and digitalization tools and technologies.
5. ***Readiness for disruptions: agile and resilient European freight transport and logistics:*** Full supply chain visibility, availability of information and data across companies and operations in the value chain

Topics for the calls 2025-2027 identified so far:

- 6. *Modular loading units for e-commerce/urban logistics*** Addressing increase of flows and the need for stakeholders to collaborate, standard modular loading units need to be developed and adopted to support efficient flows and cargo managed. New technologies for transshipment in the urban environment, micro hubs, from vans to cargobikes.
- 7. *Implementation of sustainability measurement schemes for innovations.*** How to advance the critical assessment of sustainability impact of innovations?
8. Others?



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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, proxiimus, Atlas Copco, HOFER, COLRUYTGROUP, Unilever	ESC, cefic, ELUPEG, GS1
Logistics Service Providers, Courier and Postal operators & Freight Forwarders	Gebroeders Weiss, GEODIS, BORUSAN LOJISTIK, FM LOGISTIC, Posteitaliane, sender, SGRUBER LOGISTICS, an post, UPS, LINEAS, MULTLOG, CHEP, TRI VIZOR, CODOGNOTTO, Sese	CLECAT, EALTH, ECG, The Association of European Vehicle Logistics
Ports, Hubs, Intermodal terminals & Transport Infrastructure	Port of Rotterdam, HANSAWAG, INTERPORTO BOLOGNA, HUTCHISON PORTS ECT ROTTERDAM, Port of Barcelona, Valsamo Logistics, De Vlaamse Waterweg, TRAFIKVERKET, JLL, ECO SLC, SBF, Puerto de Algeciras, duisport	INE, IWT Platform, European IWT Platform, REPORT
Transport and industry vehicles, packaging & material handling	VOLVO, SCANIA, TEVVA, PONERA, LOGIFRUIT, KION GROUP	eucar, EUROPEAN COUNCIL FOR AUTOMOTIVE R&D
Information and Communication Technologies & Consultancy	MARLO, SILENT SENSORS, algowATT, UIRNet s.p.a., Green Outer, Productbloks, everis, URBAN RADAR, log-sea, BIMAR, ilinterlogistier, PNO, TRAXENS, RIFA, NXMOVE, PTV GROUP, DAC, VEBERIS, GEA, VISMA, massicfactur, LOGIT ONE, LastMile TEAM, iniecom, HACON, TRANSPREON	ERTICO, LEAN & GREEN
Regional & National Logistics Clusters & Associations	vni, CLOSER, EffizienzCluster LogistikRuhr, AirCargoBelgium, VIL EMPOWERING LOGISTICS, CESMAP, CPLSA, Pom, Euralogistic, LIMOWA, CASA	Smart Freight Centre
Research and technology Centers	Fraunhofer, KUL, ZLG, ITENE, CATAPULT, BIBA, TU/e, TNO, toi, umec, cenit	ectri, ELA, EUROPEAN LOGISTICS ASSOCIATION
European Technology Platforms /PPPs	WATERBORNE, ERRAC, ETRAC, EFFRA, MANUFACTURE-EU	
Member States and innovation Funding*	Department for Transport, TKI DINALOG, CDTI, Vlaanderen, bmvi, VINNOVA	

* Involved in ALICE Mirror Group