Industry lead logistics innovation for a more competitive and sustainable industry

The European Technology Platform ALICE

Defining R&I needs

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- 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 transhipment 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?



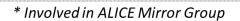




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Alliance for **Logistics Innovation** through Collaboration in Europe







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