

# BOOSTLOG

BOOSTing impact generation from research and innovation on integrated freight transport and LOGistics system

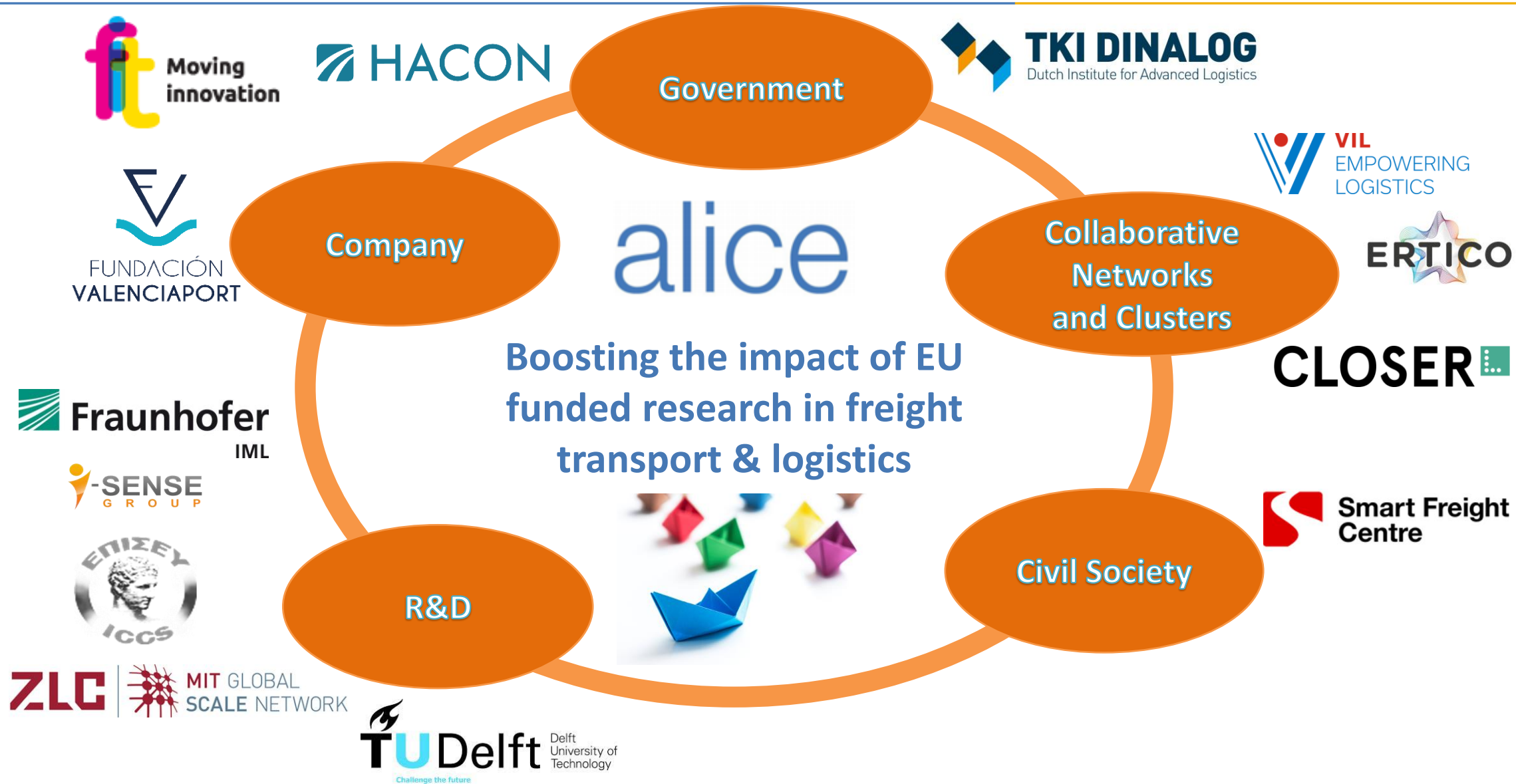
16.03.2023

Yanying Li, ALICE



- **Project name:** BOOSTing impact generation from research and innovation on integrated freight transport and LOGistics system (**BOOSTLOG**)
- **Starting date:** 1 January 2021
- **Duration:** 36 months
- **Total funding:** 1 M€
- **Project type:** Coordination and Support Action (CSA)
- **Programme:** Horizon 2020
- **Topic:** MG-2-13-2020 - Coordination and support for an integrated freight transport and logistics system



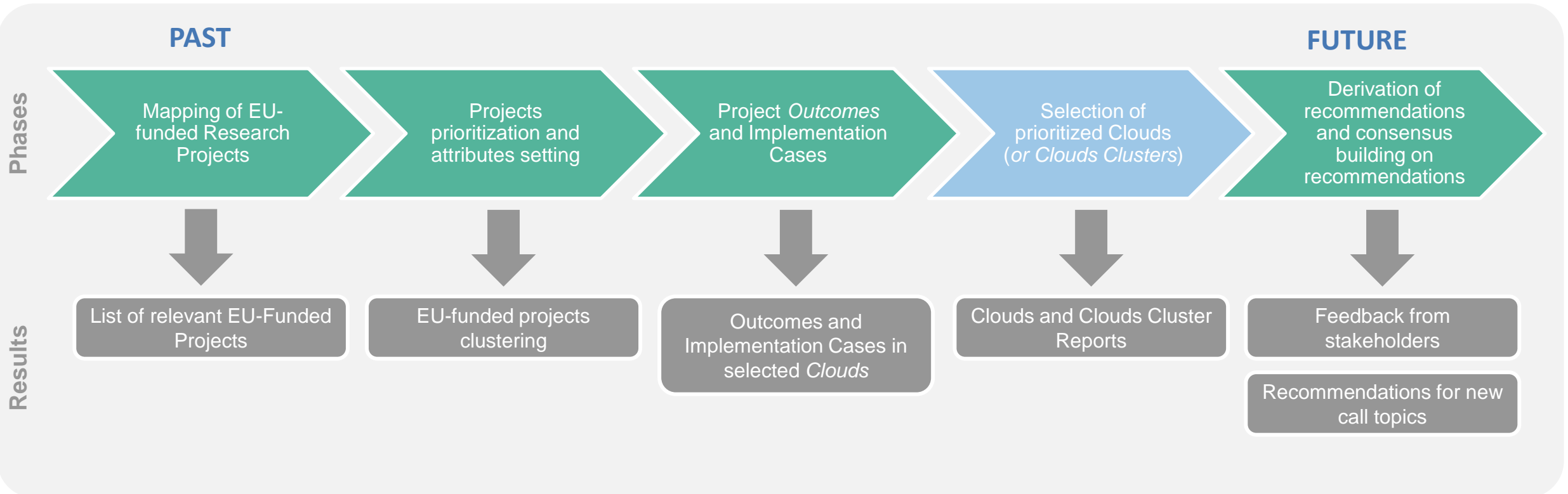


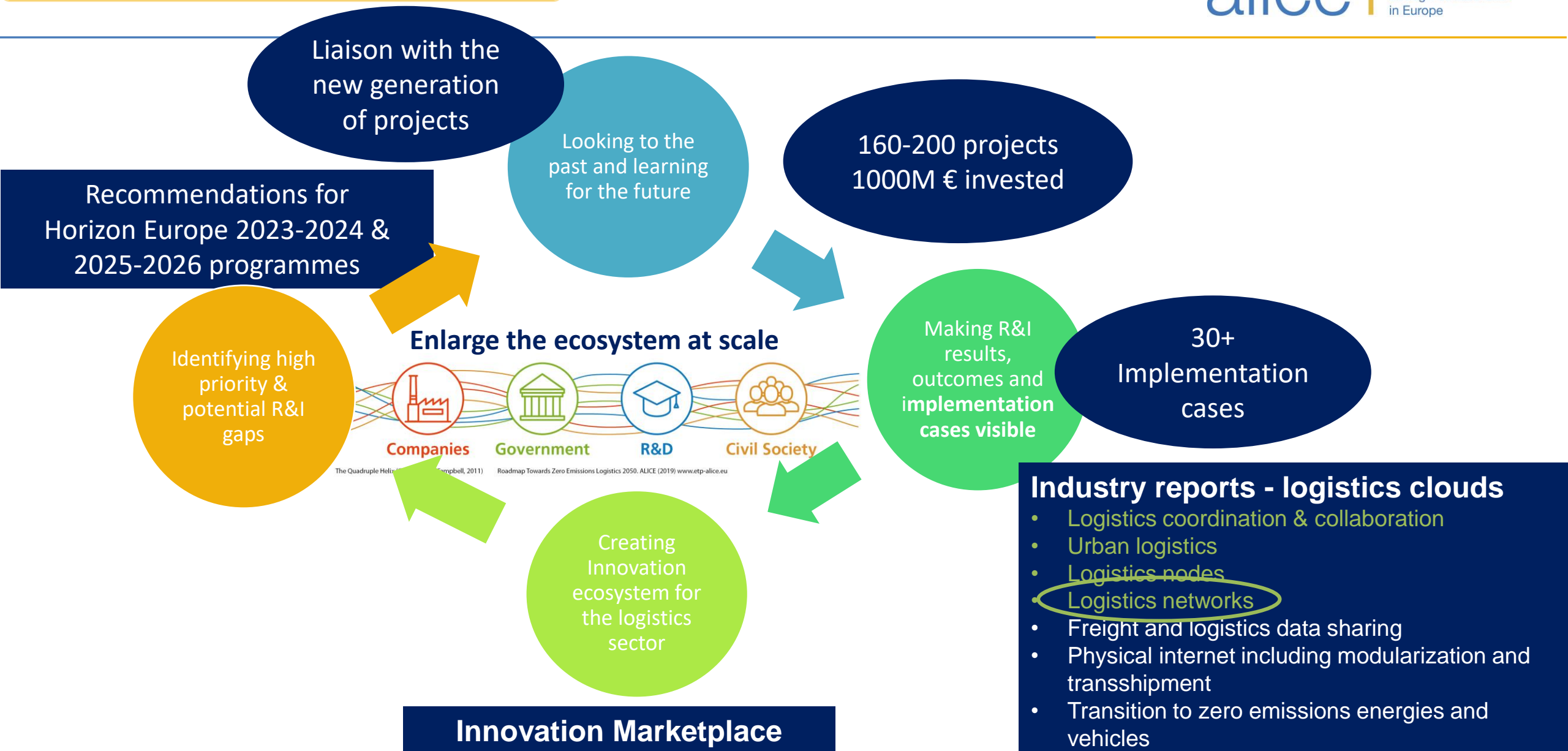
BOOSTLOG Vision is transforming European freight transport and logistics R&I ecosystem to perform optimally boosting impact generation out of R&I investment contributing to EU policy objectives and *Companies* sustainability and competitiveness generating value for society

## BOOSTLOG Strategic Objective is:

- To enhance the current **freight transport & logistics R&I ecosystem at regional national and European level.**
- **Speed up the technological and organisational innovation uptake (e.g. EU R&I funded projects results)** for a more efficient, integrated, harmonized and sustainable freight transportation and logistics system
- **Deeply enhancing R&I impact** in support of **EU policy objectives towards** decarbonization, emissions and congestion reduction, ensuring the free and seamless movement of goods and the sector digitalization









We found very few implementation cases - few R&I projects' results have been implemented & expected impacts have been delivered.



Any projects from FP5 (1998 - 2002), FP6 (2002 - 2006), FP7 (2006 - 2012), Horizon 2020 (2014 - 2020)

Implementation cases such as creating start-ups, new products/services, new policy/regulations/standards





Task Force on Accelerating Innovation  
Uptake for Sustainable Transport

Launched  
Call for actions to support uptakes of Horizon  
2020 and Horizon Europe projects' results in  
the transport sector

Ambition

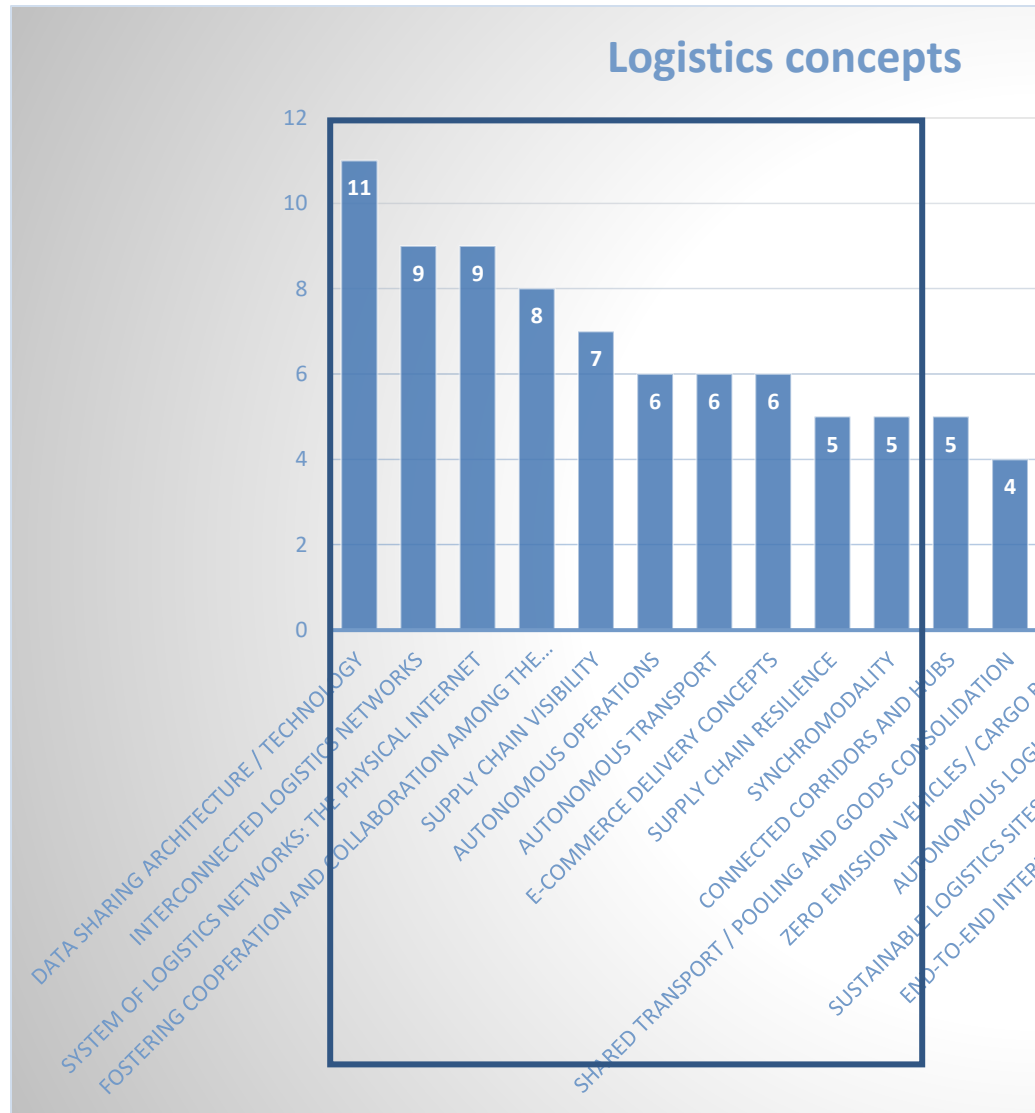
- To collect and showcase successful uptake of past EU funded R&I projects, aiming to raising awareness and giving project beneficiaries

Capacity

- To develop guidelines and provide training and capacity building to project beneficiaries to help them design proposals, implement projects and further exploitation

[https://www.etp-logistics.eu/wp-content/uploads/2023/03/Call-for-Positive-Framework-to-advance-RI-project-results\\_final-2.pdf](https://www.etp-logistics.eu/wp-content/uploads/2023/03/Call-for-Positive-Framework-to-advance-RI-project-results_final-2.pdf)





1. Data sharing architecture / technology
2. Interconnected logistics networks
3. System of logistics networks: The Physical Internet
4. Fostering cooperation and collaboration among the logistics chain
5. Supply chain visibility
6. Autonomous operations
7. Autonomous transport
8. E-commerce delivery concepts
9. Supply chain resilience
10. Synchromodality

## Connection between topics and trends

	Reshoring	Crowd-economy	Personalisation / consumer centricity	On-demand-economy	Urbanisation vs reversed urbanisation	Local-for-local	Climate change	Circular Economy	Resource scarcity and depletion	Sustainability	Skilled workforce shortage	Demographic change	Inclusiveness	New work & social innovation	E-commerce	Covid-19
<b>Synchromodality</b>	1	1	2	0	1	1	2	2	2	3	2	2	1	2	2	2
<b>Autonomous operations</b>	2	1	1	0	2	2	2	2	2	2	2	2	2	2	2	2
<b>Autonomous transport</b>	1	1	1	1	2	2	3	2	2	3	2	2	2	2	2	2
<b>E-commerce delivery concepts</b>	2	2	3	0	2	2	2	2	2	3	2	2	1	2	3	1
<b>Supply chain visibility</b>	2	2	2	0	2	2	2	2	1	2	2	1	1	2	2	1
<b>Fostering cooperation and collaboration among the logistics chain</b>	2	2	2	0	1	2	2	3	2	2	2	1	1	2	2	1
<b>Interconnected logistics networks</b>	2	2	2	0	2	1	2	2	2	2	2	2	2	2	3	2
<b>Supply chain resilience</b>	2	1	2	0	2	2	3	2	3	2	2	2	2	2	2	1
<b>System of logistics networks: The Physical Internet</b>	2	2	2	0	2	2	3	3	2	3	2	2	2	2	2	2
<b>Data sharing architecture / technology</b>	2	2	2	0	2	2	2	2	2	3	2	2	2	2	2	2



## External factors & their impacts:

- War in Ukraine and energy crisis -> accelerate transition to renewable energy
- Warm winter -> increased concerns on climate change
- Interrupted supply chain during COVID19 pandemic -> Resilience
- Increased e-commerce interrupted supply chain during COVID19 pandemic -> Resilience
- Shortage of truck drivers -> Protection of workforce & change the imagine of the sector



- ✓ Zero emission vehicles and use of renewable energy
- ✓ More resilient supply chain
- ✓ More vertical integration
- ✓ Protection of workforce
- ✓ Logistics to support circular economy
- ✓ More involvement with public authorities
- ✓ Raising awareness of environmental impacts of e-commerce



Smart Freight Week

April 18 –20, 2023  
Amsterdam

BOOSTLOG session on April 19

 **transport**  
logistic

May 9–12, 2023  
Munich

BOOSTLOG stand at B4 / 116

**IPIC 2023**

June 13 –15, 2023  
Athens

Launch of Cloud Report on  
Physical Internet

All BOOSTLOG results & info available: <https://www.etp-logistics.eu/boostlog/>

