

# Clusters 2.0



mosaicfactor

## Future Challenges & Opportunities





# MODAL SHIFT

# WHO ARE THE DRIVERS?



SHIPPER



FREIGHT  
FORWARDER



TRAIN OPERATOR

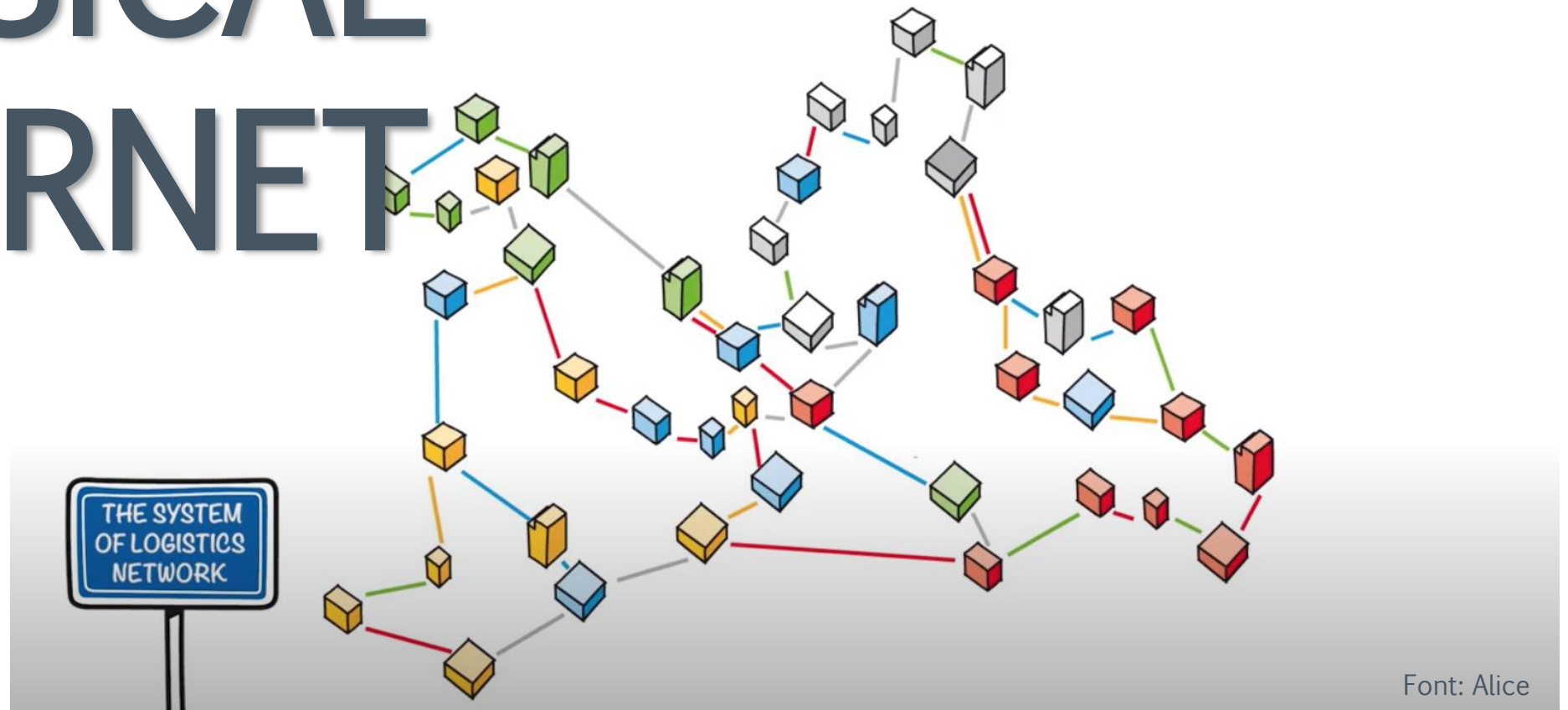




Bring the demand together  
Make the demand visible



# TOWARDS PHYSICAL INTERNET



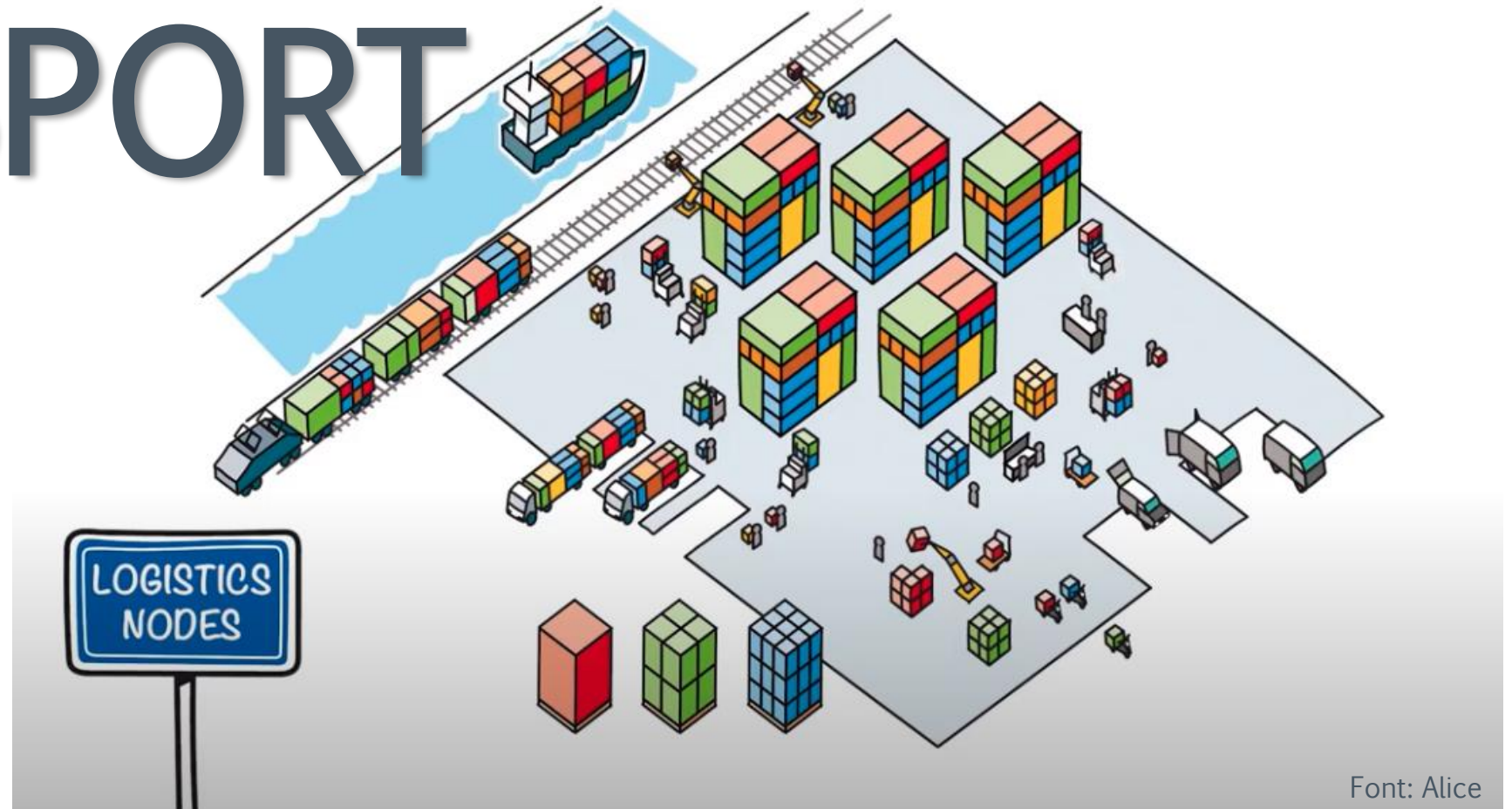
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# PHYSICAL INTERNET

- › The **Physical Internet** is an open global logistics system founded on physical, digital, and operational interconnectivity, through encapsulation, interfaces and protocols.
- › Transforming the way physical objects are handled, moved, stored, realized, supplied and used, aiming towards global logistics movements , shopping and sustainability.

alice | Alliance for  
Logistics Innovation  
through Collaboration  
in Europe

# MODULAR TRANSPORT



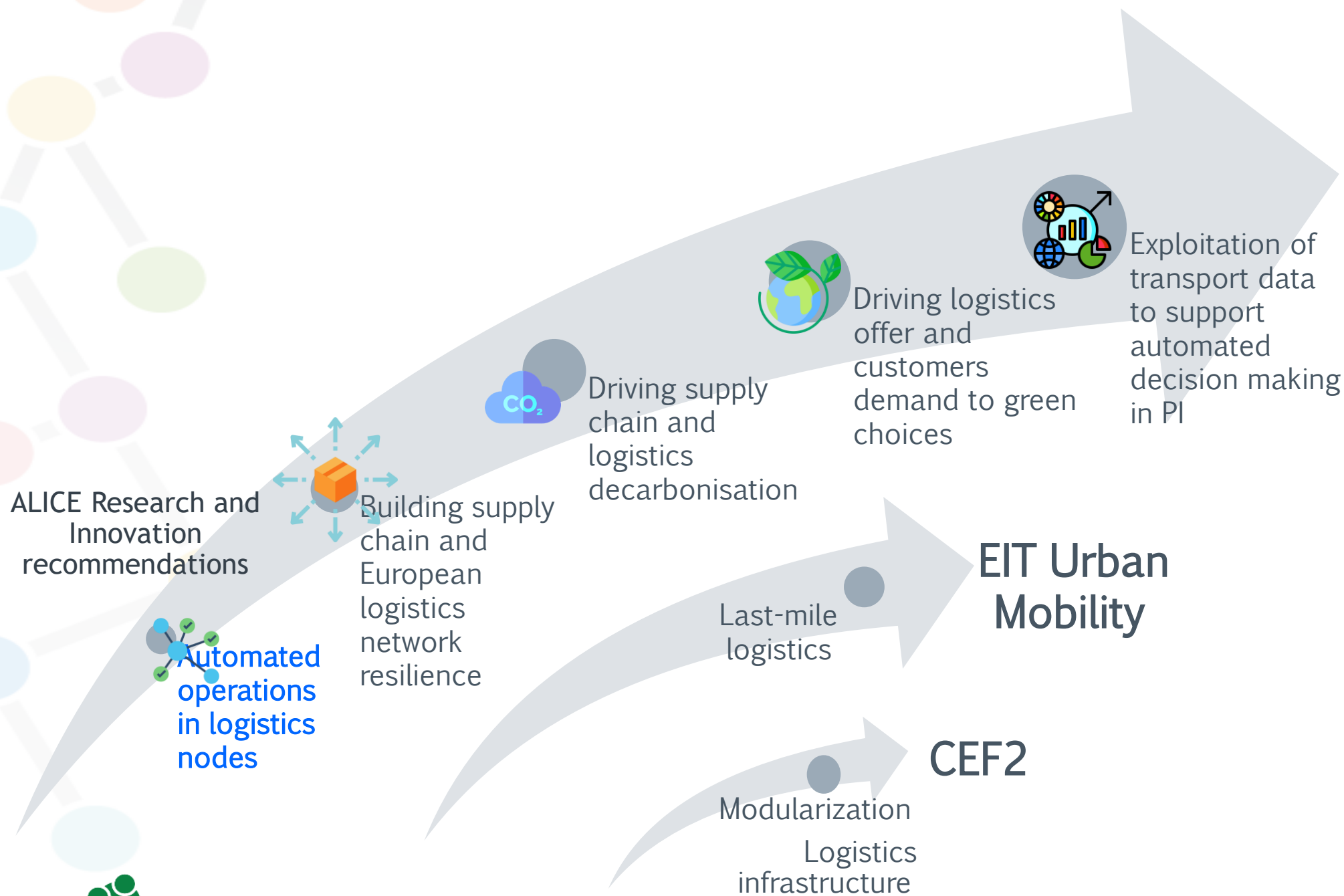
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# GREEN DEAL CALL

- › TOPIC: Green airports and ports as hubs for sustainable mobility
  - Apply innovative digital solutions, including new tools and traffic **optimisation** mechanisms for **multimodal access**, passenger and freight flows into / out of airports, facilitating access and reducing traffic from / to the city;
  - Demonstrate seamless and highly **efficient logistics operations**, for integrated port-hinterland connections (e.g. with rail and road), to enable **modal shifts** and system-wide door-to-door multimodal passenger mobility and freight transport
  - **Collaboration models** across multiple stakeholders, paving the ground for large-scale deployment of the demonstrated innovative solutions across European ports;

[https://ec.europa.eu/info/sites/info/files/research\\_and\\_innovation/green\\_deal/gd\\_c\\_stakeholder\\_engagement\\_topic\\_05-1\\_green\\_airports\\_and\\_ports.pdf](https://ec.europa.eu/info/sites/info/files/research_and_innovation/green_deal/gd_c_stakeholder_engagement_topic_05-1_green_airports_and_ports.pdf)





EIT Urban  
Mobility

Last-mile  
logistics

CEF2

Modularization  
Logistics  
infrastructure

Thank you for your attention

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