

INFO-DAY & BROKERAGE EVENT

# Logistics topics in H2020 calls 2017

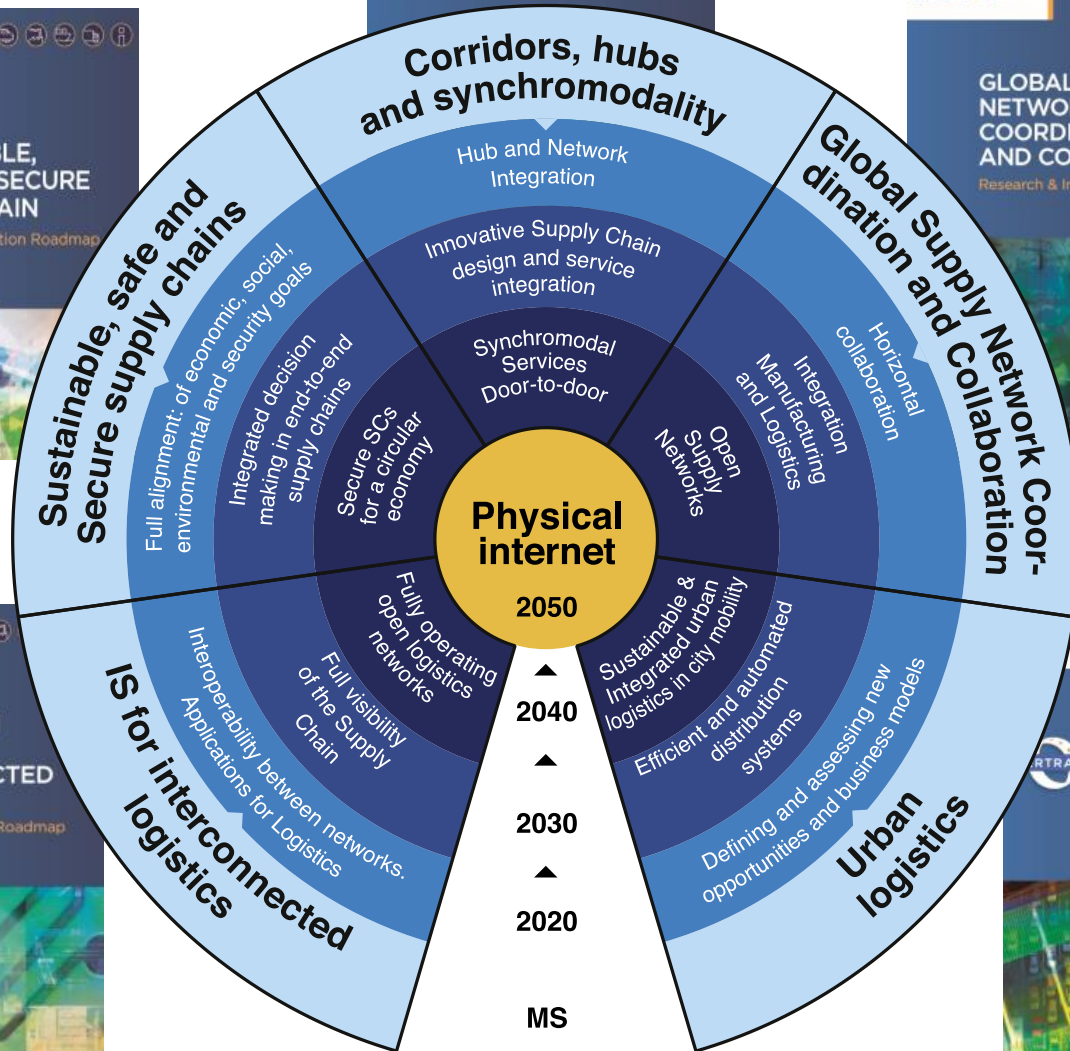
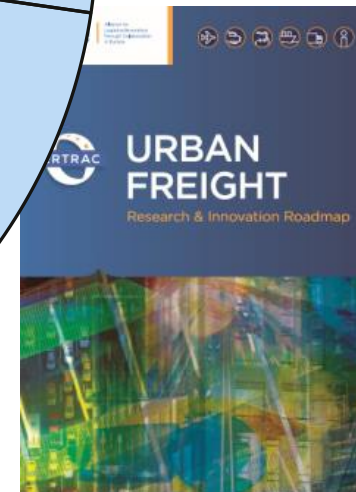
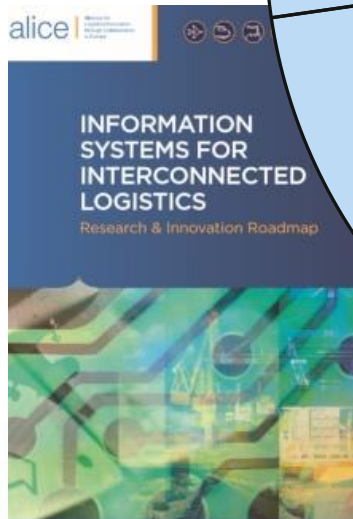
*13th October 2016 Brussels*

## H2020 2017 Logistics calls & ALICE Implementation Plan

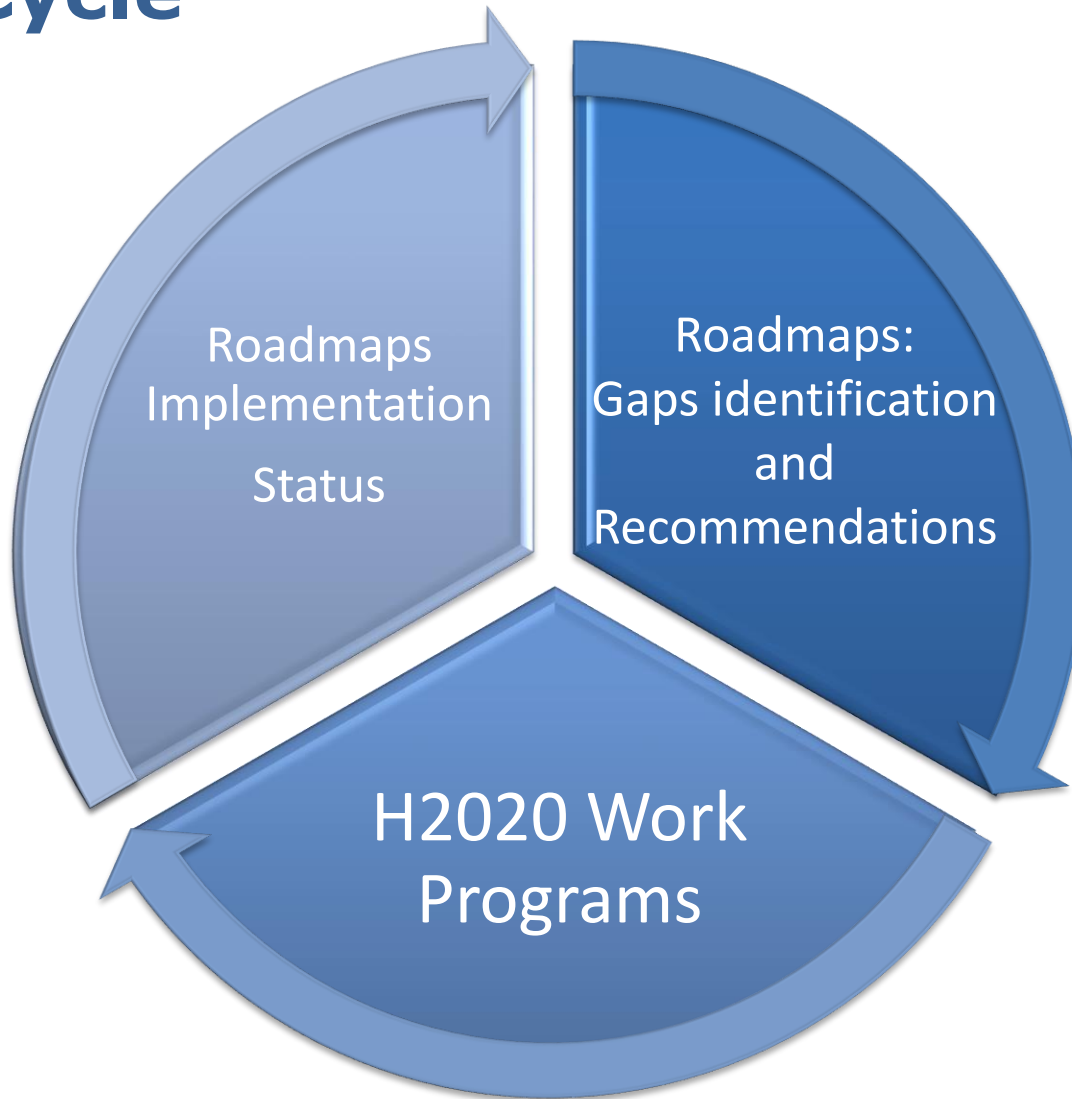
Fernando Liesa

Secretary General, ALICE

# ALICE Roadmaps

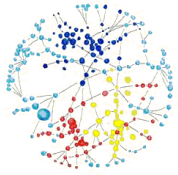


# ALICE Cycle



# ALICE Cycle - examples

NeTrust



Synchro-NET



AEOLIX

Roadmaps  
Implementation  
Status

Roadmaps:  
Gaps identification  
and  
Recommendations

2014-2015 ALICE Recommendations ([link](#)):

- E-commerce
- Urban freight consolidation schemes
- Horizontal collaboration
- Distressing the Supply Chain
- Single logistics information space in Europe

143 projects followed FP7/H2020

Liaison Program with R&I projects

H2020 Work Programs

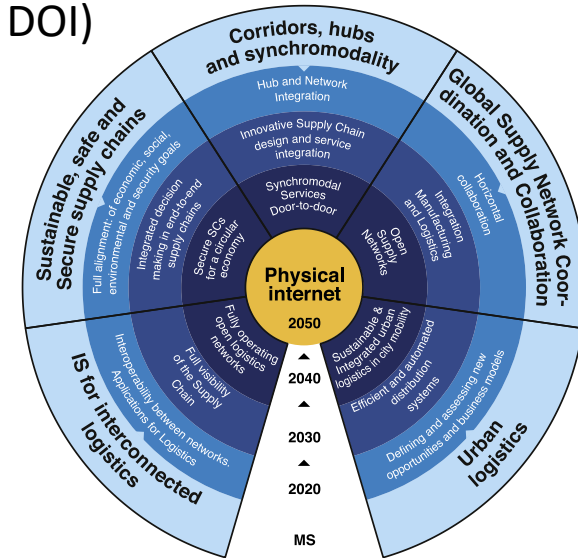
2014-2015 topics in calls:

- MG-6.1-2014 - **Fostering synergies alongside the supply chain** (including e-commerce)
- MG-6.2-2014 - **De-stressing the supply chain**
- MG-6.3-2015 - **Common communication and navigation platforms for pan-European logistics applications - Single logistics Information Space in Europe**

# Roadmaps Implementation benchmark

## Implementation status analysis (5 degrees of implementation - DOI)

- DOI #5: Sufficient evidences of implementation
- DOI #4: Experiences but not deployed a large scale
- DOI #3: Some research activities exist
- DOI #2: Potentially foreseen in forthcoming topics
- DOI #1: No clear evidences of implementation. Few cases





# 2017 call and ALICE Roadmaps Implementation

## M.G 5.4 2017 Potential of the Physical Internet

### Synchronization and dynamic update of logistics operations in open networks

**New roles for hubs in the supply chain -- > operating in a well synchronise network, specialization and coverage in the EU, organizing flow of goods...**

Detailed assessment of strengths, weaknesses, opportunities, and threats for PI within present market structures and business models

Implication of Physical Internet on the first and last mile: infrastructure, governance and business model

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# 2017 call and ALICE Roadmaps Implementation

## MG-5.2-2017. Innovative ICT solutions for future logistics operations

Routing and planning software to properly route shipments in a dynamic manner across appropriate infrastructures and nodes

Linking of data from heterogeneous sources, including semantic matching

Automated operations for managing the entry and exit of intermodal hubs (e.g., entering, billing, tolling, loading, etc.)

Development of communication interface to manage all information related to vehicle operation, data exchange with infrastructure, data exchange with logistics operations, load management and mission profile.

ICT tools to enable sharing and integration of data. Potential of Internet of Things (IoT) and Future Internet for logistics (Physical Internet)

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# 2017 call and ALICE Roadmaps Implementation

**MG-4.3-2017. Innovative approaches for integrating urban nodes in the TEN-T core network**

## **Improving the interaction between long distance freight transport and urban freight**

Studies on freight transport/logistic operations interaction, and the impact of the multiplicity of logistics hubs and networks.

Design of freight corridors in cities.

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# 2017 call and ALICE Roadmaps Implementation

## **CIRC-01-2017: Systemic, eco-innovative approaches for the circular economy: large-scale demonstration**

Supply chain **design for 'closed-loop supply chains'**, with efficient, cost-saving and environmental-friendly options for disposal (reuse, repair, remanufacturing, refurbishing, recycling, landfill).

Opportunities in **reverse logistics needs to be transformed into true 'closed-loop supply chain' business models**, in which environmental and business 'eco systems' are integrated

Development of circular business models that help **manufacturers, shippers, logistics providers and users to achieve their sustainability objectives.**

**Direct and reverse volume trends: waste, recycling and e-commerce.**

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*Logistics innovation for a more  
competitive and sustainable industry*