

Synchro-NET

Synchro-Net

Bordeaux, 6th of October, 2015

HORIZON 2020

The EU Framework Programme for Research and Innovation



Raquel Miguel Antón

Project Coordinator of SYNCHRO-NET



DHL is the global market leader in the logistics industry and “The logistics company for the world”.

DHL commits its expertise in international express, air and ocean freight, road and rail transportation, contract logistics and international mail services to its customers.

A global network composed of more than 220 countries and territories and about 285,000 employees worldwide offers customers superior service quality and local knowledge to satisfy their supply chain requirements.



- **INTRODUCTION**
- **PROJECT DESCRIPTION**
- **PROJECT DESCRIPTION (scope)**
- **OBJECTIVES**
- **PROJECT DESCRIPTION (impact)**
- **DEMONSTRATORS**

- *SYNCHRO-NET* will demonstrate how a powerful and innovative **SYNCHRO-modal supply chain eco-NET** can identify and maximize the opportunities for slow steaming, using synchro-modality to ensure that service levels and economic factors are not compromised
- *SYNCHRO-NET* will run :



- The topic: MG-6.2-2014, De-stressing the supply chain

CONSORTIUM PARTNERS



SYNCHRO-NET Coordinator:



KONGSBERG



Overcome the stress caused due to

- Increasing transportation distances
- Higher complexity
- Vulnerability of supply chains

while enhancing

- Responsiveness and performance
- Quality and reliability
- knowledge needed to plan seamless transports of goods

Better understanding is needed of the technological and operational opportunities that 'slow steaming' and synchro-modal operations and other relevant concepts provide.

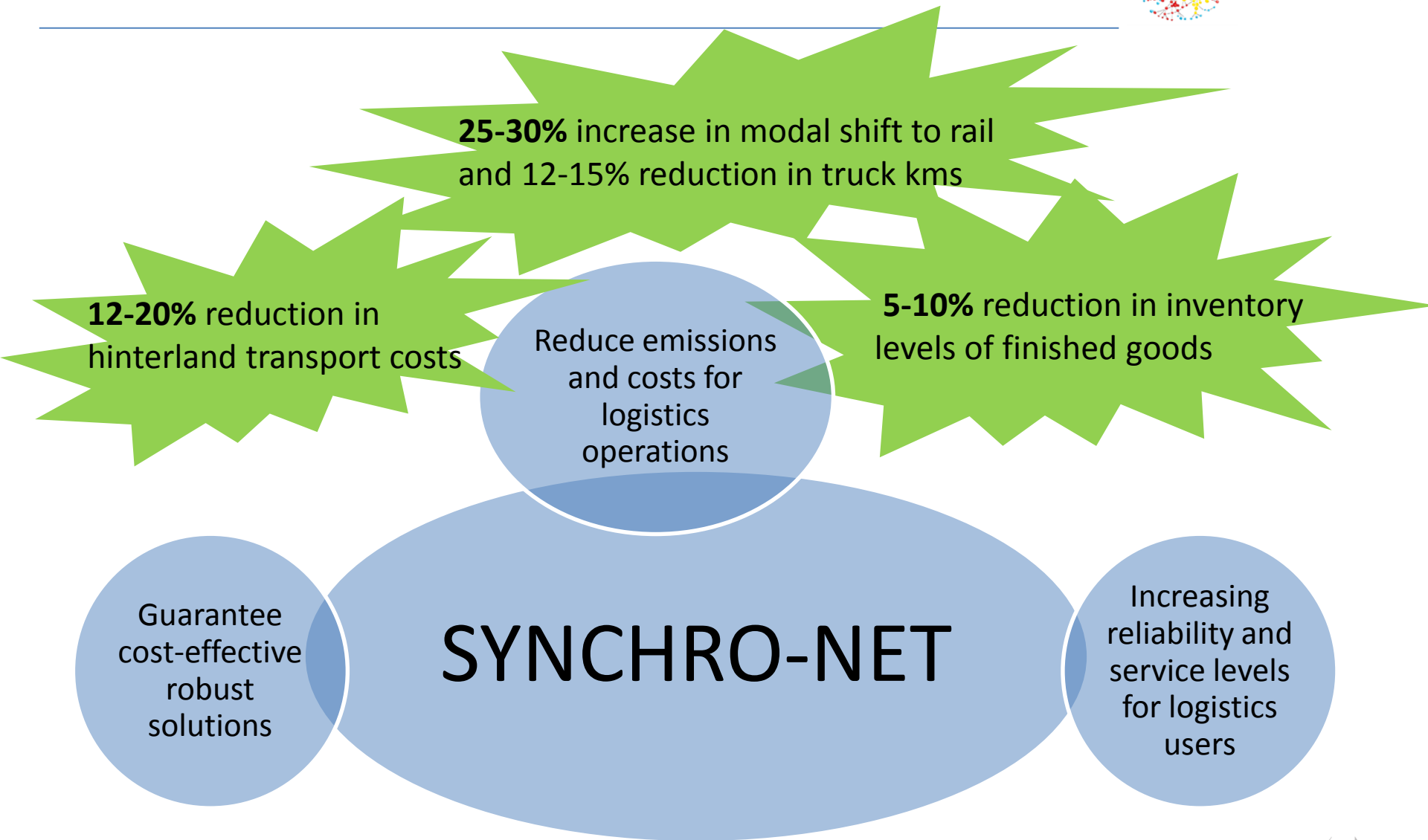
The project will assess the added value and the impact in the Supply chain of:

- Slow steaming: development synchro-modal supply chain optimization module that considers smart steaming strategy
- Advance information systems: infrastructures, smart coordination, policies, different transport modes

Outputs will include: Specifications of technology, business models and governance structures

Technical, economic, political, social and organizational aspects will be considered

A profound benefit to sustainability is expected



Reduce operating costs of a company of liner shipping



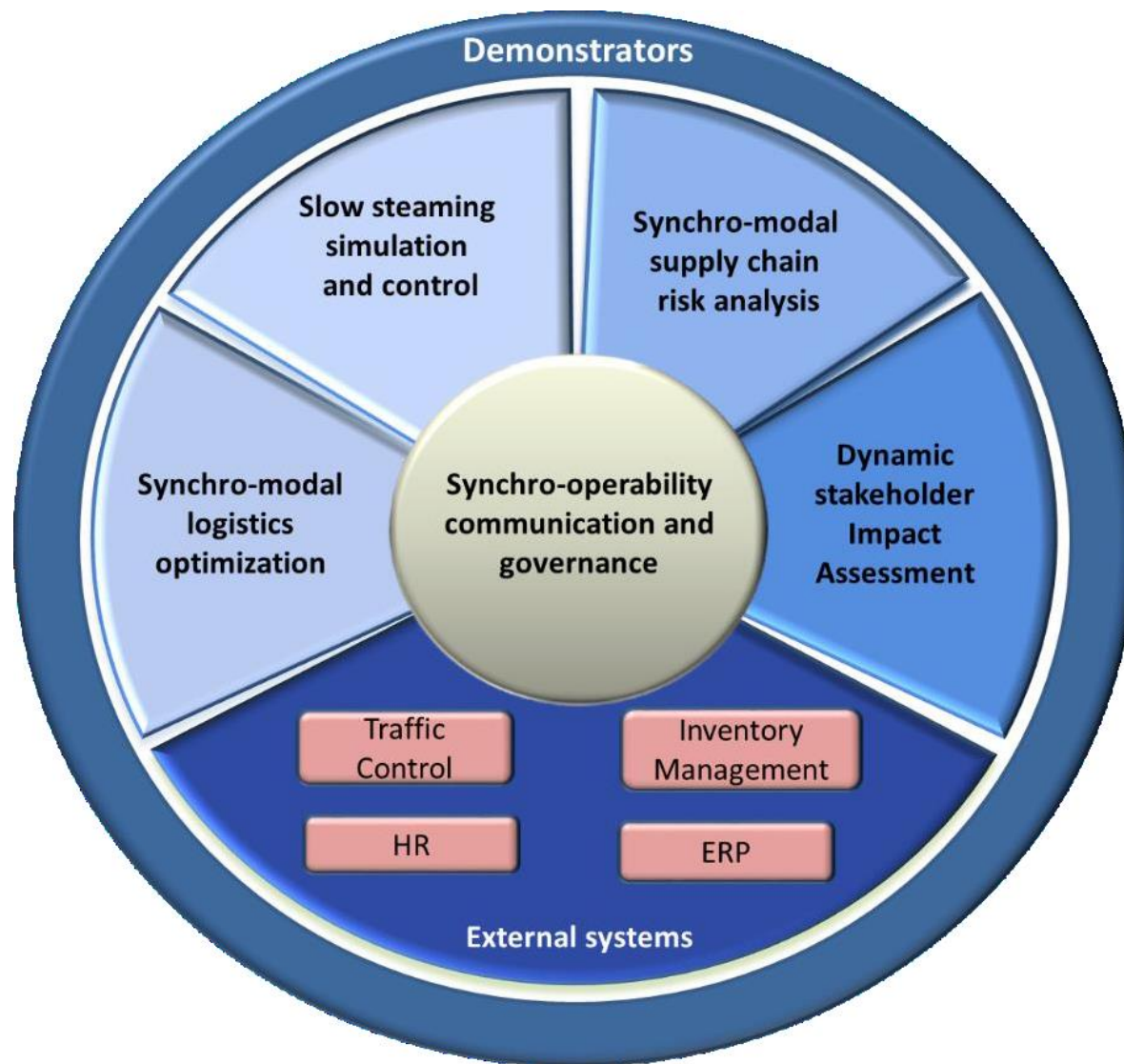
Enhance logistics environmental performance and service levels, while reducing cost



Benefit to the intermodal freight charge transfer :

-Improved efficiency

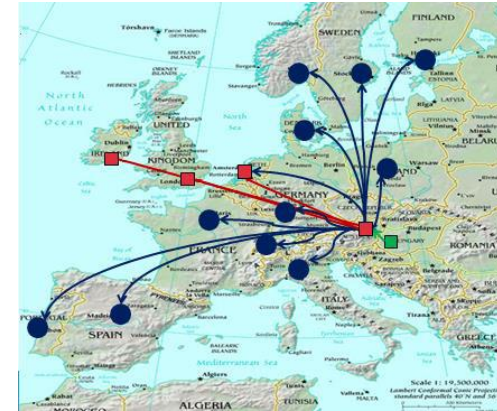
-Facilitate switch from road transport to other transportation modes , with less negative externalities effects while improving usage of existing infrastructure





- **LOCATION:** Involving shipping of goods from the Far East to the ports of Valencia, Algeciras and Barcelona, subsequent movement by rail inland and final short truck movement (when necessary) to position the goods at their final destination or similar routes.
- **MAIN PARTNER:** CSSA
- **MAIN CONTENT:** test to validate and showcase the selected SYNCHRO-NET toolsets/services centered on the Port of Valencia, Algeciras and Barcelona

- **LOCATION:** Cork, Ireland
- **MAIN PARTNER:** K+N
- **MAIN CONTENT:** These pilot tests are concerned with validating and showcasing the selected SYNCHRO-NET outputs in Ireland particularly focused on the final European 'leg' into the Port of Cork



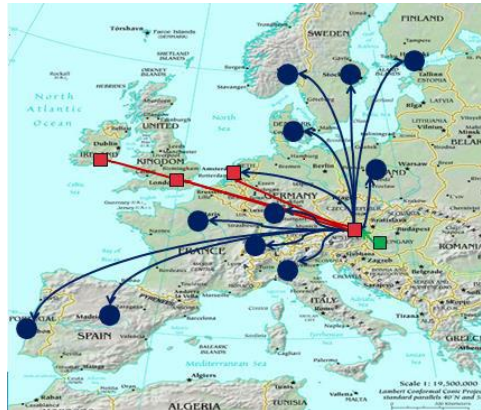
- **LOCATION:** Athens (the tests will cover movements between several ports in Europe)
- **MAIN PARTNER:** K+N
- **MAIN CONTENT:** These pilot tests are concerned with validating and showcasing the selected demonstration of SYNCHRO-NET toolsets/services including container movements in major European routes.



East-West Trade Lane Demonstrator



Regional Demonstrator



Pan-European Demonstrator



IMPROVING LOGISTICS PERFORMANCE WHILE REDUCING CO2

Optimize last-mile operation and reduce logistics cost

Demonstrate reduction in inventory holding cost by using SYNCHRO-NET Eco-Net

Without affecting negatively supply chain stock strategies

For more information, please contact:

Raquel Miguel Antón

Project Coordinator

Email: synchronet@dhl.com

Telephone: +34 91 3843558



THANK YOU VERY MUCH!!



KONGSBERG

KUEHNE+NAGEL



中国海运(西班牙)代理有限公司
CHINA SHIPPING (SPAIN) AGENCY, S.L.



SAM
Electronics



EMC²



BUREAU
VERITAS



LE
London
Economics

HYDROCEAN

