

# 8<sup>th</sup> European Conference on ICT for Transport Logistics

Title: Synchro-Net  
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# PROJECT DESCRIPTION



- *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 :



- TOPIC: MG-6.2-2014, De-stressing the supply chain



# CONSORTIUM PARTNERS



SYNCHRO-NET Coordinator:



KONGSBERG



# SPECIFIC CHALLENGE



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.**



# PROJECT DESCRIPTION (scope)



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**



# PROJECT DESCRIPTION (impact)



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**



# OBJECTIVES



**25-30%** increase in modal shift to rail  
and **12-15%** reduction in truck kms

**12-20%** reduction in  
hinterland transport costs

Reduce emissions  
and costs for  
logistics  
operations

**5-10%** reduction in inventory  
levels of finished goods

Guarantee  
cost-effective  
robust  
solutions

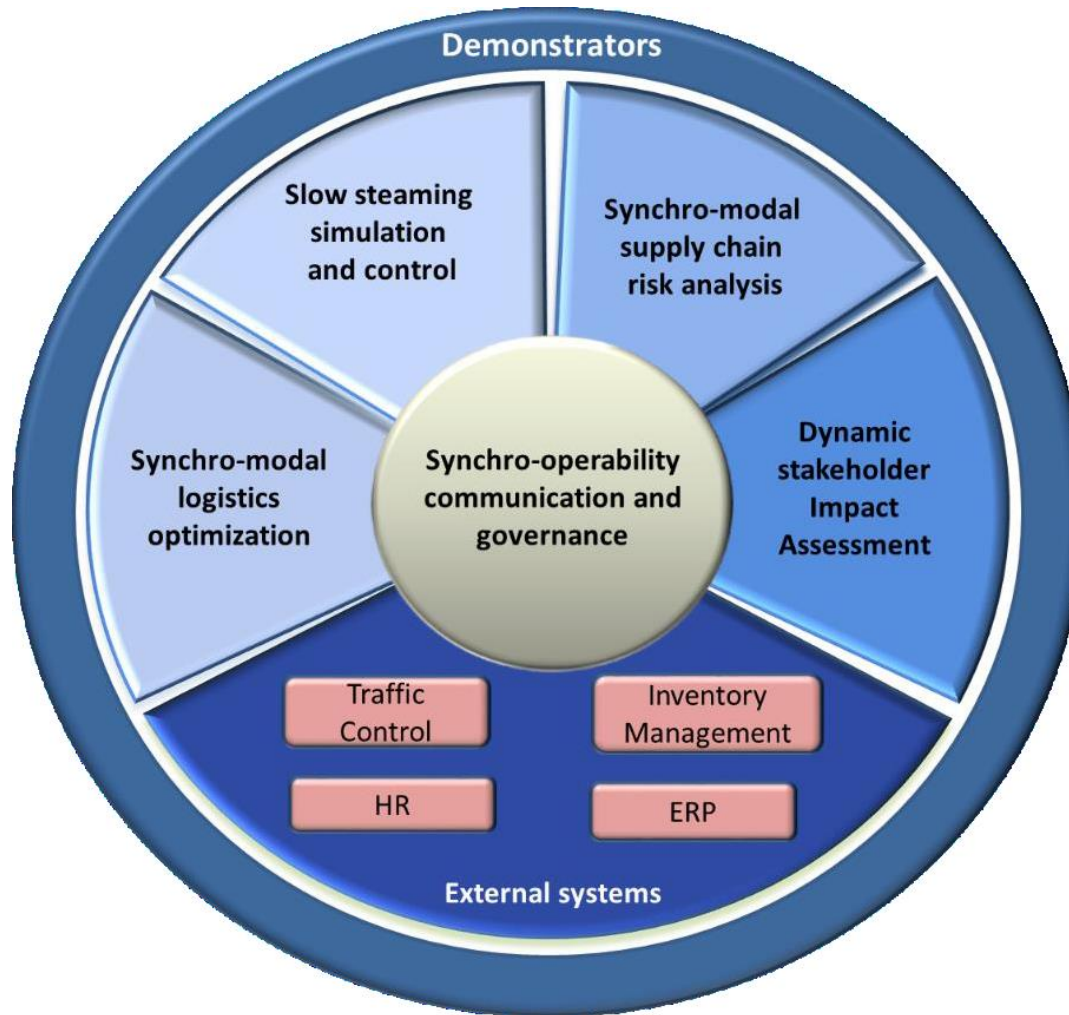
# SYNCHRO-NET

Increasing  
reliability and  
service levels  
for logistics  
users





# CLOUD BASED ECO-NET PLATFORM



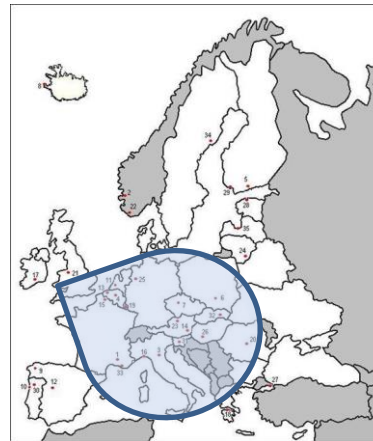
# Main indicator success



## 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:

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