



UNIVERSITÀ
DEGLI STUDI DI TRIESTE
Dipartimento di Ingegneria e Architettura



Rectors & Deans & Business Directors 2015

*eRegion Meeting on the Cross-border Joint EU Projects Opportunities
in the Area of Transport and Logistics*

A vision for the European Transport System of 2020

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*eRegion - Meeting on the Cross-border Joint EU Projects
Opportunities in the Area of Transport and Logistics*

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1. A synthetic overview of the European Strategy for the contribution of the Territorial Co-operation and INTERREG EUROPE 2014-2020

The **INTERREG EUROPE** programme aims to improve the implementation of regional Development policies and programmes, in particular programmes for Investment for Growth and Jobs And European Territorial Cooperation (ETC) programmes.

Four themes were selected in order to make the best use of limited funds.

The more focused the actions, the higher chances they deliver effective results.

4 themes

Research & Innovation

SME Competitiveness

Low Carbon Economy

Environment & Resource Efficiency



Interreg 





2. Selection of the thematic objective and investment priorities of INTERREG EUROPE programmes 2014-2020

4 themes

Interreg 

€359 m

Financed by the European Regional Development Fund

30 countries

28 EU Member States,
Switzerland and Norway



Research & innovation	SME competitiveness	Low-carbon economy	Environment & resource efficiency
<p>Under this theme partners can work on</p> <ul style="list-style-type: none"> - strengthening research & innovation infrastructure and capacities <p><i>e.g. improving financial instruments for innovation support</i></p> <ul style="list-style-type: none"> - innovation delivery through regional innovation chains in chosen "smart specialisation" field <p><i>e.g. increasing commercialisation of R&D results</i></p>	<p>This theme allows regions to improve their policies in supporting SMEs in all stages of their life cycle to develop and achieve growth and engage in innovation</p> <p><i>e.g. creating and boosting entrepreneurial spirit</i></p> <p><i>e.g. responding to obstructions to business growth</i></p>	<p>This theme addresses the transition to a low-carbon economy in all sectors. This could be through policies aimed to raise the share of renewable energy sources in the energy mix to promoting multi-modal sustainable transport.</p> <p><i>e.g. developing regional low-carbon strategies</i></p>	<p>Two distinct fields are open for cooperation</p> <ul style="list-style-type: none"> - protection & development of natural and cultural heritage <p><i>e.g. improving management of regional nature parks</i></p> <ul style="list-style-type: none"> - transition to a resource-efficient economy, promoting green growth and eco-innovation <p><i>e.g. increasing recycling rates among SMEs</i></p>



3. Focus on needs and challenges

MED, Priority Axis 2: Low-carbon economy

MED

Low carbon economy is a key issue for territorial sustainable development and for EU objectives, increase energy efficiency and promotion of renewable energy).

In the MED area, the challenge is to develop solutions adapted to various regional contexts from densely urbanised areas with dense transport networks to rural areas and islands with more limited access to energy resources.

In this Priority axis, foreseen activities consist in strategy building, capacity building, awareness raising, training and changing practices. Feasibility studies and analyses, elaborating policy plans, services and tools, will also form part of activities. This Priority Axis can support small-scale investment and pilot projects (energy efficiency tools, pilot services...).



PRIORITY AXIS 2

Fostering low-carbon strategies and energy efficiency in specific MED territories: cities, islands and remote areas

THEMATIC OBJECTIVE 4

Supporting the shift toward a low-carbon economy in all sectors

INVESTMENT PRIORITY 4.c

Supporting energy efficiency, smart energy management and renewable energy use (...)

INVESTMENT PRIORITY 4.e

Promoting low-carbon strategies for all types of territories, in particular for urban areas (...)

SPECIFIC OBJECTIVE 2.1

To raise capacity for better management of energy in public buildings at transnational level

SPECIFIC OBJECTIVE 2.2

To increase the share of renewable local energy sources in energy mix strategies and plans in MED territories

SPECIFIC OBJECTIVE 2.3

To increase capacity to use existing low carbon transport systems and multi-modal connections among them



3. Focus on needs and challenges CENTRAL EUROPE Priorities, Priority Axis 4

CENTRAL EUROPE Priorities

P1: Cooperating on innovation to make CENTRAL EUROPE more competitive

P2: Cooperating on low carbon strategies in CENTRAL EUROPE

P3: Cooperating on natural and cultural resources for sustainable growth in CENTRAL EUROPE

P4: Cooperating on transport to better connect CENTRAL EUROPE



CENTRAL EUROPE
COOPERATING FOR SUCCESS.



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND

CENTRAL EUROPE

From the main objectives, the Priority Axis 4 aims to improve **coordination among freight transport stakeholders** for **increasing multimodal environment friendly freight solution.**

High quality transport connections are not existent in some, especially rural regions. In this respect secondary feeder transport infrastructure and the work on integration of hubs in the **local and regional transport schemes** (“last mile”) are of crucial importance.

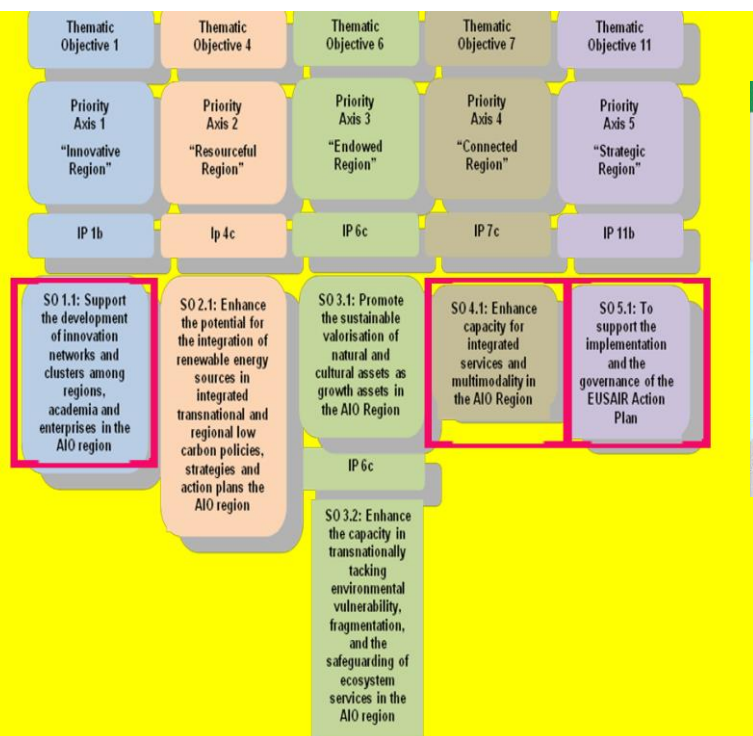


3. Focus on needs and challenges ADRIATIC-IONIAN, Priority Axis 4

ADRIATIC-IONIAN

One of the main features characterizing the Programme's area, in particular regarding the Priority Axis 4, is the **imbalance in the development of infrastructures and modes of transport**, both between the two banks of the Adriatic Sea and among participating Countries, due to structural weaknesses, low level of maintenance and little investments in infrastructures.

What is more, the **lack of multimodal connections** between coastal and inland areas leads to high pressure on coastal roads and bottlenecks. As a matter of fact, road transport is the most common mode of transportation for both goods and passengers throughout the area.





3. Focus on needs and challenges

URBACT III, Following URBACT I and II, URBACT III will continue to promote **sustainable integrated urban development**

URBACT III

The programme opens new opportunities for cities to stimulate urban regeneration

This objective includes the provision of local services such as **local transport improvement and optimization**.

If well designed, the different kinds of contracts associated with urban regeneration can open up a whole range of opportunities for **local supply chains**.

URBACT MAIN ACTIVITIES

TRANSNATIONAL NETWORKS

To support cities with the design and implementation of integrated urban strategies, building on mutual learning and the transfer of good practices

CAPACITY- BUILDING

To enhance the capacity of urban players to develop integrated and participatory approaches to the design and delivery of urban policies

CAPITALISATION AND DISSEMINATION

To build and share knowledge, practices and recommendations and inform the design and delivery of sustainable urban policies at local, regional, national and eu level



Connecting cities
Building successes





4. Action plan. Identifying potential projects ideas and competences

Our competences:

Sustainable multimodal green transport systems for

- low emission transportation
 - electric car management
 - smart transportation, smart cities, smart grids
 - cf. secure, clean and efficient energy
- air trajectories
 - integrated transportation
- port vs. “dry port”
 - coordination, scheduling, resource assignment, optimization of Logistics
- Customs procedures based on advanced ICT tools.



MINIMIZING costs, times and use of resources

Decision Support System

for

MULTIMODAL OPTIMIZATION PLANNING

and

SYNCHRONIZATION

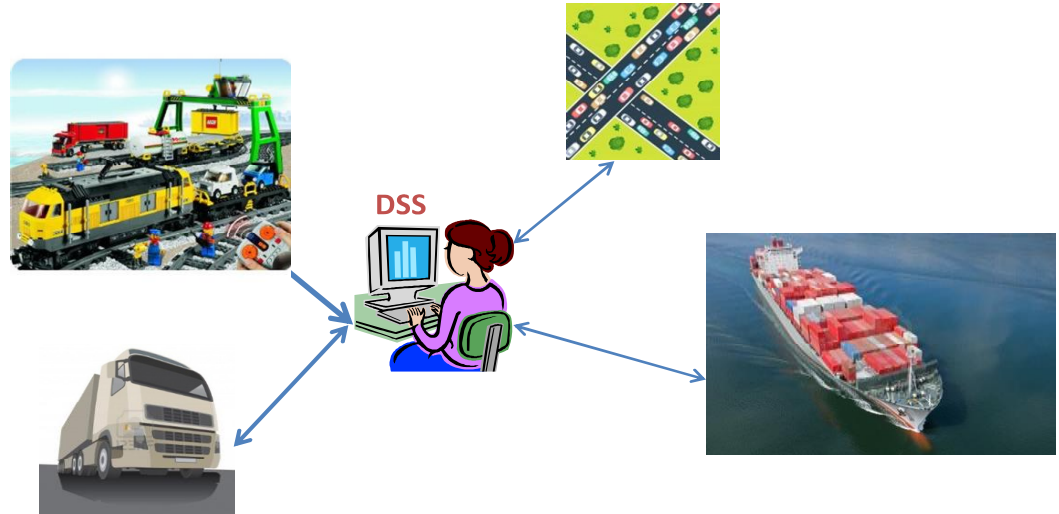
between different logistics operations and the
information exchanged among them



4. Action plan. Identifying potential projects ideas and competences

Decision Support System approach:

- optimization strategies
- optimization procedures
- simulation tools





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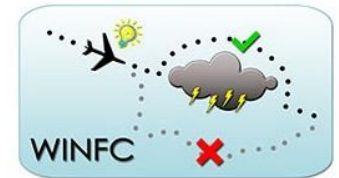
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5. Our past and present projects experiences



CO-GISTICS



AEOLIX - Architecture for European
Logistics Information eXchange

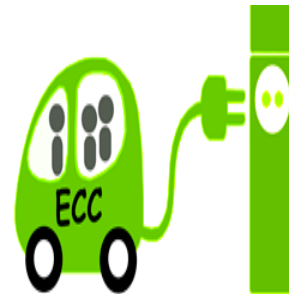


ASMARA - 'Pilot Applications post Directive 2010/65
in Italian port realities of the Suite MIELE to support
the Authority to optimize the interOperability in the
intermodAlity of city-port flows"



Advanced Platform for Manufacturing Engineering
and Product Lifecycle Management

Electric Car Club
per la Regione
Friuli Venezia Giulia





6. Our vision for the European Transport System 2020

We are working to create a new EU framework to track and trace freight along its journey:

- we started from **theoretical modelling**,
- we are already **implementing** the research results in a test case in Trieste,

so based on our experiences we think that solutions are available but **implementations on a large scale require our work together in a network partnership** vs. single EU transport system configuration, with harmonised border crossing procedures for all modes of transport for all EU member states ensuring **interoperability and standardization**.



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Thank you for your attention