



DEVELOPMENT OF THE
CONNECTION
LYON-MADRID
ON THE MEDITERRANEAN
CORRIDOR



Most prominent factors to consider in a “Green Corridor”

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Activity 4

⊖ UPC is developing the activity 4 of the CLYMA project

□ Objective of the activity:

Integrate the “greening concept” into corridor development planning, taking into account all the components of the corridor concept in view of accelerating their implementation through mature, realistic and duly validated implementation plans

□ Tasks:

1. Creating a standardized system for measuring the sustainability of transport services on the corridor
2. Identifying and evaluating the impact of measures for the “green” development of the corridor
3. Elaborating recommendations for the integration of the “greening” objectives in the corridor development plan



Task 4.1. Measuring the sustainability of the corridor

Green Corridor definition:

A way that contains lines of intermodal and **sustainable transport**, designed by means of solutions which have the aim to continuously:

- Optimize **environmental** impact
- Increase **safety** and **efficiency**
- Minimize operating and administrative **costs**



Task 4.1. Measuring the sustainability of the corridor

- The more relevant factors to assess the actions intended to make a freight transport corridor green,
 - ❑ By conducting an experts' consultation (with 20 members of shippers, operators of infrastructures, transport and logistic companies, public administration and environmental agencies)
 - ❑ A total of 69 factors were identified from the experts' consultation:
 - 21 operational factors
 - 11 environmental and climate impact factors
 - 22 economic and social impact factors
 - 15 infrastructures renewal or construction factors



Task 4.1. Measuring the sustainability of the corridor

➊ A set of indicators were defined by taking into account the factors obtained

Block	Indicator	Proposed by
Operations	Direct costs of transport	SuperGreen
	Frequency of service	SuperGreen
	Indicator on safety measures	ECTW II, modified
	Indicator on security measures	ECTW II, modified
	Proportion of co-modal transport	CLYMA
	Quality of service in intermodal transport	CLYMA
	Reliability of service	SuperGreen
	Transport time	SuperGreen
Environment and climate impact	Alternative fuels filling stations	ECTW II
	CO2 emissions	SuperGreen
	Engine standards	ECTW II
	SOx emissions	SuperGreen
Economic and social impact	Activity of the areas served	CLYMA
	Impact on physical environment	CLYMA
	Total goods volumes	ECTW II
	Use of capacity	CLYMA



PROJECT OFFICE



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