



GOBIERNO
DE ESPAÑA

MINISTERIO
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Puertos del Estado

WEST-MOS
Western Europe Sea Transport &
Motorway of the Sea
2005-EU-90609-S-SINCOM



D 7.1 – GAELIC PRACTICAL STUDY

MARKET STUDY AND COST BENEFIT ANALYSIS AT MICRO LEVEL

North Coast of Spain and the island of Ireland with possible links to
France



26 / 06 / 2008



The Motorway of the Sea from Ireland to Spain - a critical link

by

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&

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Madrid



Project co-financed by the European Union from the Trans-European Networks (TEN) - area of transport infrastructures (TEN-T) budget. Directorate General for Energy & Transport. European Commission.

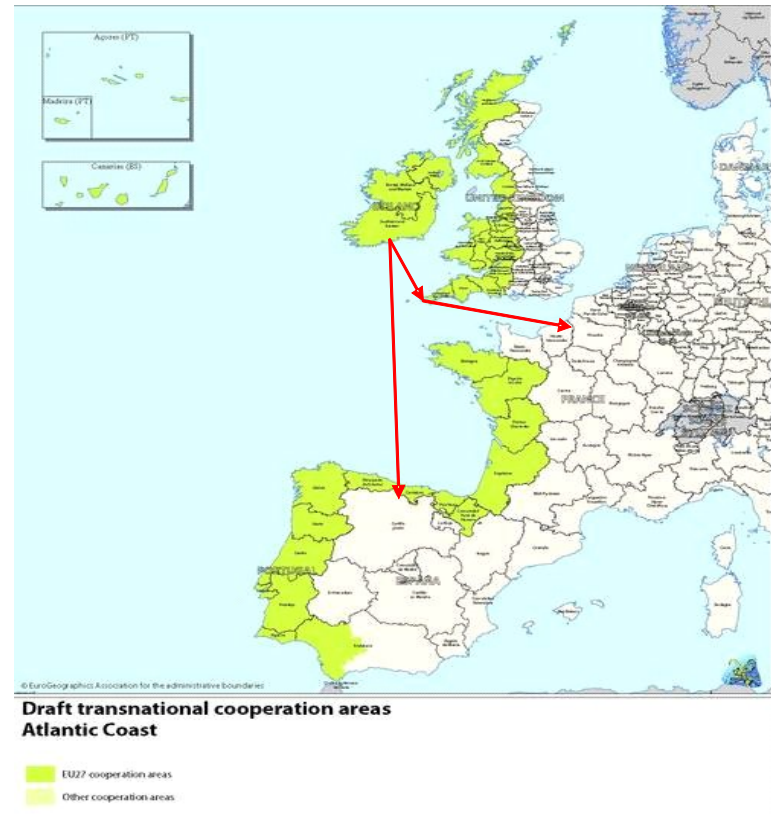
WEST-MOS

Western Europe Sea Transport & Motorway of the Sea

GAELIC Study









The objective of WEST-MOS is to examine the future of RO-RO/Combi LO-LO Spain- Ireland

- Identify and support new services to Northern Europe by-passing the British Land corridor.
- Define the impacts on Road Transport. Ireland-UK -France-S pain.
- To quantify savings to Haulage Contractors and Logistic Suppliers .
- To quantify savings on Security within the Logistic Chain.
- To quantify savings from Fuel, Tolls, Fines, EU Environmental Taxes and CO2 Emissions .
- To present a cost effective, energy-efficient and climate-friendly alternative to extending motorway networks on land.





ROUTE	TYPE	FREQUENCY PER WEEK	OPERATOR
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LEGEND			
	BELFAST		ROSSLARE
	WARRENPOINT		WATERFORD
	DROGHEDA		CORK
	DUBLIN		SHANNON FOYNES

Roll over a port to reveal the shipping destination of that port. To view the central corridor routes, click on the magnify icon on the bottom corner of the map. To visit an operator's website, click on their name.



GAELIC Study

Rationale for study

- Ireland using UK as Land-bridge to Continent.
- Ireland using France as Land-bridge to Spain and Portugal.
- 1,772,000 Ro-Ro Freight Trailers handled through East Coast of Ireland & Northern Ireland in 2007.
- Estimates of 60-70% to/from UK Market
- Balance is Land-bridge cargo.
- Supply chain through existing routes is excellent and very efficient.
- Ireland inc. is extremely fortunate to have such an accommodating neighbour in UK.
- Spain is extremely fortunate to have such an accommodating neighbour in France.
- Is it sustainable in the current climate?



GAELIC Study

Identified Savings to the Haulage Industry

Example 1 :

40' Container/Trailer weighing 20 tonne delivered RO-RO from Limerick to Madrid.

Limerick-Madrid via Rosslare-Fishguard-Portsmouth-Cherbourg-Madrid: 1964km

Limerick-Madrid via Cork- Northern Spain- Madrid : 593 km

Road Saving : : 1371 km

Saving in CO2 emissions: 1515 kilos per 20 tonne trailer load

Example 2:

Limerick-Brussels via Rosslare-Fishguard-Dover-Calais-Brussels: 953 km

Limerick-Brussels via Cork-Calais-Brussels: 320 km

Road Saving : 633 km

Saving in CO2 emissions: 274 kilos per 20tonne trailer load.

GAELIC Study

Summary Profit & Loss Account Year 3

Profit/loss in Year 3	EPIC Ship	Concept Ship	1 Ship Ro-ro	2 Ships Ro-ro
Direct service: Spain-Ireland 2 round trips per week	-€ 2,195,321	-€ 1,639,637		
Direct service: Spain-Ireland 3 round trips per week	€ 1,231,456	€ 4,234,675		
Direct service: Spain-Ireland-France 2 round trips per week: Spain-Ireland 1 round trip per week: Ireland-France	€ 1,083,067			
Spain-Ireland-UK 3 round trips per week			-€ 1,585,924	€ 2,028,620

Assumptions

HFO
\$/EU

\$590 per tonne
\$1.58/€1



Port of Cork Deepwater & Ro Ro Terminals





Thank you for your attention

Project co-financed by the European Union from the trans-European transport networks budget (TEN-T)



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Projet cofinancé par l'Union européenne sur le budget des Réseaux Transeuropéens (RTE-T)

Progetto cofinanziato dall'Unione europea con i fondi del bilancio destinato alle reti transeuropee (RTE-T)

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