Cost and time models for the evaluation of intermodal chains by using short sea shipping in the North Sea Region: the Rosyth-Zeebrugge route - DTU Orbit (05/10/2019)

This paper is framed in the context of the EU Interreg IVB North Sea Region project Food Port. In line with this project, this paper aims to define mathematically cost and time models able to provide realistic information about the performances of road haulage and of intermodal chains using short sea shipping (SSS) in the North Sea Region (NSR). The models integrate the necessary variables to establish the impact of different fleets and SSS features on the competitiveness of intermodal chains for the movement of food related goods. The models were applied to evaluate the opportunities for the success of intermodal chains using the Rosyth-Zeebrugge route. The results obtained validate the utility of the models and they suggest possible changes to the current operation of this SSS service in order to increase the marked potential possibilities for the intermodal chains through Rosyth-Zeebrugge.

General information
Publication status: Published
Organisations: Department of Planning, Department of Transport, Transport optimisation and technique, University of Southern Denmark
Contributors: Lopez, A. M., Kronbak, J., Jiang, L.
Pages: 494-520
Publication date: 2015
Peer-reviewed: Yes

Publication information
Journal: International Journal of Shipping and Transport Logistics
Volume: 7
Issue number: 4
ISSN (Print): 1756-6517
Ratings:
Scopus rating (2015): CiteScore 1.35 SJR 0.758 SNIP 0.855
Web of Science (2015): Impact factor 1.493
Web of Science (2015): Indexed yes
Original language: English
Keywords: MANAGEMENT, TRANSPORTATION, MOTORWAY, NETWORK, PORT, transportation cost, short sea shipping transport, Ro-Ro transport, container feeder transport, intermodal transport
DOIs:
10.1504/ijstl.2015.069692
Source: FindIt
Source ID: 2265754754
Research output: Contribution to journal › Journal article – Annual report year: 2015 › Research › peer-review