Evaluation model for the optimal location of intermodal terminals in Europe

From 1997-01-01 to 1998-11-30

Project details

| Total cost: | EUR 261 683 |
| Topic(s): | 1.3 - Developing intermodality |
| | 1.4 - System organisation and interoperability |
| | 3 - Integrated transport chains |
| EU contribution: | EUR 261 683 |
| Funding scheme: | CSC - Cost-sharing contracts |
| Coordinated in: | Belgium |

Objective

The strategic objective of the project is to contribute to the development of modern European intermodal transportation networks by integrating all relevant supply and demand requirements of intermodal distribution and transhipment centres as well as passenger terminals. Supply-driven terminal requirements are controllable by the service provider while demand-driven terminal requirements cannot be influenced by terminal operators. The Evaluation Model for the Optimal Location of Intermodal Terminals in Europe (EMOLITE) proposed in this research project, allows an integrated evaluation of potential terminal locations according to general and terminal-specific criteria relevant to private and public decision makers, while simultaneously taking into consideration the dynamic and continuously changing transportation market. Therefore, EMOLITE could contribute to the strategic objective of improving the development of the European, regional and city networks for the transport of goods and passengers.

The specific programme objective is to develop EMOLITE, a Decision Support System for the evaluation of the optimal location of intermodal terminals for freight and passenger transport in Europe. Given a discrete number of potential locations, EMOLITE allows decision makers as well as operational managers (transport network designers) to compare different potential locations using a very flexible and comprehensive computer simulation model. The EMOLITE-Decision Support System is accompanied by a comprehensive users manual to provide detailed insights in the technical aspects of EMOLITE and on the way to efficiently use the software package in strategic decision making.

Benelux region. freight: Case studies for intermodal operators, emphasizing the maritime and inland navigation transport. passengers: to be further defined, negotiations regarding opportune case studies are under review.

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Subjects

Policies - Safety - Transport

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