


Project Data Sheet

BASIC PROJECT DATA			
Full project title:	Modernisation of Vessels for Inland Waterway Freight Transport		
Short project title: (acronym)	MoVe IT!	Project logo:	
Project website:	–	Project ID:	PA1A062
Need and added value for Danube Region Strategy:	Provision of cost-efficient retrofit solutions dedicated to existing Danube vessels, contributing to a modernisation of the Danube fleet.		
Objective(s) of project:	Development of cost effective concepts for retrofitting and technologies for the improvement of the economic efficiency and environmental friendliness of inland ships.		
Project activities:	<p>The project aimed at the modernisation of existing inland ships applying state-of-the-art knowledge and technology transfer from other transport modes. The project activities consisted of:</p> <ul style="list-style-type: none"> • Determination of the framework conditions and the requirements for the retrofitting of existing inland ships, whereby retrofit options related to new operational requirements as well as adaptation to new markets were considered. • Development of cost-effective concepts of retrofitting for inland ships, which carry dangerous goods, in agreement with the regulations of the ADN. • Development of cost-effective solutions for improving the energy efficiency and reduction of exhaust gas emissions and noise by improving ships' hydrodynamics, propulsion and engine technology. Application of new technologies based on usage of alternative fuels (e.g. LNG), innovative systems for energy recovery and improved management of energy consumption. • Economic and ecological evaluation of the concepts developed. • Demonstration of the viability of selected concepts. • Dissemination of project results and stimulation of the implementation of the concepts developed. 		
Transboundary impact:	The results of the project are applicable to all Danube countries.		
Project beneficiaries / target groups:	<ul style="list-style-type: none"> • Shipping companies • Shipyards 		
STATUS AND TIME FRAME			
Current project phase: (please tick a box)	<input type="checkbox"/> Definition (e.g. project idea, abstract) <input type="checkbox"/> Preparation (e.g. project proposal, feasibility study) <input type="checkbox"/> Implementation <input checked="" type="checkbox"/> Completion		
Start date:	01.11.2011	End date:	31.10.2014

Project Data Sheet

Notes:	-	
PROJECT TEAM		
Project leader:	Stichting Maritiem Research Instituut Nederland (MARIN) / The Netherlands	
Project partner(s):	<ul style="list-style-type: none"> • MARIN / The Netherlands • DST / Germany • via donau / Austria • TU Delft / The Netherlands • Center of Maritime Technologies / Germany • SPB / The Netherlands • TNO / The Netherlands • Ecorys / The Netherlands • Autena Marine / The Netherlands • SMILE / Germany • University of Plymouth / United Kingdom • University Galati / Romania • Ship Studio Sarl / France • University Belgrade / Serbia • Compagnie Fluviale de Transport / France • Ship Design Group / Romania • VNF / France • Swerea Sicomp / Sweden • Thyssenkrupp Veerhaven / The Netherlands • Helogistics / Austria • Plimsoll / Hungary • University Budapest / Hungary • Masson Marine / France 	
Contact person:	Name:	-
	Organisation:	Stichting Maritiem Research Instituut Nederland
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	E-Mail:	-
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Project Data Sheet

FINANCING	
Available: (please tick a box)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No
Total budget:	3,960,000 EUR
Source(s) and amount (potential sources for project ideas): (please tick a box and provide further info)	<input checked="" type="checkbox"/> National/regional funds: not disclosed
	<input checked="" type="checkbox"/> EU funds: 2,790,000 EUR funded under 7th FWP (Seventh Framework Programme), research area: SST.2011.5.2-3. Cost-effective modernization of the inland fleet for freight transport
	<input type="checkbox"/> IFI loans:
	<input checked="" type="checkbox"/> Private funds: not disclosed
	<input type="checkbox"/> Other:
PROJECT ENVIRONMENT	
Project cross-reference:	–
Cross-reference ID(s):	–
Strategic reference:	-
Relevant legislation:	<ul style="list-style-type: none"> European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways (ADN) emission regulations (EU, CCNR)
Other:	–
EUSDR EMBEDDING	
Relation to other Priority Areas of the Danube Region Strategy:	<input type="checkbox"/> PA1b: To improve mobility and multimodality – Road, rail and air links <input type="checkbox"/> PA02: To encourage more sustainable energy <input type="checkbox"/> PA03: To promote culture and tourism, people and people contacts <input type="checkbox"/> PA04: To restore and maintain the quality of waters <input type="checkbox"/> PA05: To manage environmental risks <input checked="" type="checkbox"/> PA06: To preserve biodiversity, landscapes and the quality of air and soils <input type="checkbox"/> PA07: To develop the knowledge society through research, education and information technologies <input type="checkbox"/> PA08: To support the competitiveness of enterprises, including cluster development <input type="checkbox"/> PA09: To invest in people and skills

Project Data Sheet

	<input type="checkbox"/> PA10: To step up institutional capacity and cooperation <input type="checkbox"/> PA11: To work together to promote security and tackle organised and serious crime
EUSDR COMPLIANCE	
Compliance with targets of the Danube Region Strategy:	<input checked="" type="checkbox"/> Increase the cargo transport on the river by 20% by 2020 compared to 2010. <input type="checkbox"/> Solve obstacles to navigability, taking into account the specific characteristics of each section of the Danube and its navigable tributaries and establish effective waterway infrastructure management by 2015. <input type="checkbox"/> Develop efficient multimodal terminals at river ports along the Danube and its navigable tributaries to connect inland waterways with rail and road transport by 2020. <input type="checkbox"/> Implement harmonised River Information Services (RIS) on the Danube and its navigable tributaries and ensure the international exchange of RIS data preferably by 2015. <input type="checkbox"/> Solve the shortage of qualified personnel and harmonize education standards in inland navigation in the Danube region by 2020, taking duly into account the social dimension of the respective measures.
Compliance with actions of the Danube Region Strategy:	<input type="checkbox"/> To complete the implementation of TEN-T Priority Project 18 on time and in an environmentally sustainable way. <input type="checkbox"/> To invest in waterway infrastructure of Danube and its tributaries and develop the interconnections. <input checked="" type="checkbox"/> To modernise the Danube fleet in order to improve environmental and economic performance. <input type="checkbox"/> To coordinate national transport policies in the field of navigation in the Danube basin. <input type="checkbox"/> To support Danube Commission in finalising the process of reviewing the Belgrade Convention. <input type="checkbox"/> To develop ports in the Danube river basin into multimodal logistics centres. <input type="checkbox"/> To improve comprehensive waterway management of the Danube and its tributaries. <input type="checkbox"/> To promote sustainable freight transport in the Danube Region. <input type="checkbox"/> To implement harmonised River Information Services (RIS). <input type="checkbox"/> To invest in education and jobs in the Danube navigation sector.
Affiliation to thematic working group of Priority Area 1a of the EUSDR:	<input type="checkbox"/> Waterway infrastructure and management <input type="checkbox"/> Ports and sustainable freight transport <input checked="" type="checkbox"/> Danube fleet <input type="checkbox"/> River Information Services <input type="checkbox"/> Education and jobs

Project Data Sheet

OTHER RELEVANT ISSUES	
Project requirements:	–
Follow-up project:	–
Any other issues:	–