

Project Data Sheet

BASIC PROJECT DATA			
Full project title:	Innovative Danube Vessel		
Short project title: (acronym)	–	Project logo:	–
Project website:	–	Project ID:	PA1A010
Need and added value for Danube Region Strategy:	Contribution to the development of innovative Danube vessels.		
Objective(s) of project:	Support of the further development of ship technologies for reducing the environmental impact of Danube navigation. The project focused on the elaboration and development of innovative vessels and technology solutions with high potential for implementation.		
Project activities:	<p>The considered issues relate to improved energy efficiency, reduction of exhaust gas emissions, safe and economical vessel operation, alternative structural solutions as well as the possible use of alternative fuels to marine gas oil.</p> <p>The project contained the following tasks:</p> <ul style="list-style-type: none"> • Collection and evaluation of data on conditions for ship operation on the Danube (navigation conditions, infrastructure conditions, Danube fleet composition, general market developments) • Analysis of solutions derived from existing R&D projects with respect to their potential for implementation and further development in the Danube region • Elaboration and assessment of different technology solutions comprising e.g. altered main dimensions of vessels, different pushed formations, alternative structural solutions, application of different materials, air lubrication, improved propulsion devices and hull forms development and assessment of first concepts comprising motor cargo vessels and pushed convoys for different operational regions in the Danube corridor • Provision of recommendations for further technology development within the framework of the Danube Region Strategy 		
Transboundary impact:	The project covered the entire Danube, considering solutions for different stretches of the Danube.		
Project beneficiaries / target groups:	<ul style="list-style-type: none"> • Shipping companies • Shipyards • R&D organizations • Universities 		
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		

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Start date:	01.07.2012	End date:	31.12.2013
Notes:	The invitation for submission of project proposals was made public to potentially interested applicants in the Supplement to the Official Journal of the European Union, using the means of a voluntary ex ante transparency notice (OJ/S S79, 24-04-2012).		
PROJECT TEAM			
Project leader:	via donau – Österreichische Wasserstraßen GmbH / Austria (project supervision)		
Project partner(s):	<ul style="list-style-type: none"> • DST Entwicklungszentrum für Schiffstechnik und Transportsysteme e.V. / Germany (project coordinator) • Schiffbautechnische Versuchsanstalt in Wien GmbH / Austria • Ship Design Group SRL / Romania • University of Belgrade, Faculty of Mechanical Engineering / Serbia • Österreichisches Institut für Raumplanung GmbH / Austria 		
Contact person:	Name:	-	
	Organisation:	via donau – Österreichische Wasserstraßen GmbH	
	Address:	Donau-City-Straße 1, 1220 Vienna, Austria	
	Phone:	-	
	E-Mail:	-	
	Website:	www.viadonau.org	
FINANCING			
Available: (please tick a box)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No		
Total budget:	289,474 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:	14,474 EUR (state budget of PAC)	
	<input checked="" type="checkbox"/> EU funds:	275,000 EUR (DG REGIO - Direct Grant; pilot project for EUSDR PA1A)	
	<input type="checkbox"/> IFI loans:		
	<input type="checkbox"/> Private funds:		
	<input type="checkbox"/> Other:		

PROJECT ENVIRONMENT	
Project cross-reference:	–
Cross-reference ID(s):	–
Strategic reference:	–
Relevant legislation:	–
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 <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.

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<p>Compliance with actions of the Danube Region Strategy:</p>	<ul style="list-style-type: none"> <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.
<p>Affiliation to thematic working group of Priority Area 1a of the EUSDR:</p>	<ul style="list-style-type: none"> <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
<p>OTHER RELEVANT ISSUES</p>	
<p>Project requirements:</p>	<p>–</p>
<p>Follow-up project:</p>	<p>–</p>
<p>Any other issues:</p>	<p>–</p>