Project Data Sheet



BASIC PROJECT DATA				
Full project title:	Pollutant emissions red Corridor	uction of IWT shi	ps on the Danube	
Short project title: (acronym)	IDA	Project logo:	-	
Project website:	-	Project ID:	PA1A083	
Need and added value for Danube Region Strategy:	The Danube corridor represents important infrastructure for transport and for commercial activities. Development of inland waterway transport and ports' activities lead to a disturbance of the environment by affecting biodiversity, quality of air, soil and water. As far as IWT is concerned, introduction of innovative technological solutions for pollutant emission reduction on board is a major task.			
	According to the EU Strategy for the Danube Region's Action Plan, "better transport and energy infrastructures are the condition for innovation (attracting skilled researchers and workers). Innovative solutions can reduce costs, improve efficiency and encourage sustainable solutions". The consortium was committed to develop innovative, safe and sustainable IWT concepts, focussing on a significant reduction of emissions and optimal efficiency for IWT fleet and logistic chain.			
	This project idea was abour pollutant emissions caused b of vessels and in river por secured significant progress along the Danube corridor b from the ship's exhaust stack	t addressing the un by inland waterway ts. If implemented, towards reducing the y considering the w c all the way through	gent need to reduce levels of transport (IWT), both on board the project would thus have ne levels of harmful emissions hole system of river transport, to river port logistics.	
	It was envisaged that th modernization of existing po taken into consideration in th	e design of new orts based on the id e concepts resulting	port infrastructure and the ea of a "green port" would be g from this project.	
	If implemented, this project ships by promoting the trans the informational training ce as PLATINA and NELI an optimization of co-modal tran	would also have in fer of knowledge reg ntres (ITCs) develo d e-communication asport.	mproved sustainability of IWT garding green logistics through ped in previous projects such integration with RIS as an	
	The deliverables of this proje for river ports and inland wat	ect would have aided erways ships regard	d the elaboration of regulations ling environmental issues.	
Objective(s) of project:	The objectives of the project	idea are:		
	 This holistic programm friendly ship" concept. been to establish the re the engines that power emissions characteristic 	e of research wou The first strand to lationship between t ships navigating t s.	Id have developed the "eco- this investigation would have he type, duty cycle and age of he Danube corridor and their	
	 In order to establish the have analysed the effi- different populated, prot the Danube corridor. In regions, a series of pa developed for pollutan operating regimes. 	e impact of this new ect of pollutant en ected and low dissi order to understand rametric mathemati t emission levels f	technology, the project would hissions on ecosystems from pation geographic areas along the effect of ships within these cal models would have been for certain engine types and	
	 The concept of a "green relating to the levels of port, it would have been handling and ship mano 	en port" would have collutant emissions n necessary to esta euvring.	e been developed using data and pollutant maps. Within the ablish the constraints in cargo	

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Planned project activ	vities:	Contributing to the development of new low emission integrated systems for innovative IWT ships was foreseen by the project idea by:			
		Evaluation of the emissions of IWT ships' engines			
		Finding solutions to reduce the emissions			
		The next step would have been the elaboration and implementation of regulations for pollution monitoring similar to maritime transport.			
		 Investigating the influence of the pollutant emissions from IWT ships on ecosystems from different populated, protected and low dissipation geographic areas along the Danube corridor and elaboration of pollution maps in port areas 			
		Contributing to the second secon	he improvement of logistics ma	nagement in ports by:	
		 Decreasing 	the operating times		
		o Implementir	ng the e-communication inside	the logistic chain	
		 Concept of g 	green logistic chain integration		
Transboundary impact: Inland wate		Inland waterway tran	aterway transport in general and the Danube Corridor in particular.		
Project beneficiaries groups:	beneficiaries / target Membe region		nsortium and stakeholders, i	nhabitants of the Danube	
		STATUS AND	TIME FRAME		
Current project phase: (please tick a box)		Definition (e.g. project idea, abstract)			
			. project proposal, reasibility st	uuy)	
Start date:		2013	End date:	2016	
Notes:		The project was not realised. It was intended to be conducted for a three year period from 2013 to 2016. The proposal for the project was submitted to the FP 7 Programme, but was rejected even though it had received a letter of support from the EUSDR. Some of the project's ideas, concepts and challenges have already be tackled in other projects which are currently ongoing.		riod from 2013 to 2016. The P 7 Programme, but was port from the EUSDR. llenges have already been g.	
		PROJE	ст Теам		
Project leader:	University of Craiova – UCV / Romania				
Project partner(s):	• STC G	STC Group / The Netherlands			
	Univer	University of Lincoln / United Kingdom			
	University of Sussex / United Kingdom				
	Brodarski Institute / Croatia				
Univer		sity of Montenegro / Montenegro			
	Roma	nian Maritime Training	Centre / Romania		



	• In	stitute for	Shipping Econo	mic and Logistics / Germany	
	• U	niversity of Zilina / Slovak Republic			
	• C	entre of Maritime Technologies e.V. / Germany			
	• R	esearch and Development Centre in Transport & Energy / Spain			
	• U	niversity of Applied Sciences / Germany			
	• U	niversity of Technology and Economics / Hungary			
	• Fa	aculty of Mechanical Engineering, University of Ruse "Angel Kanchev" / Bulgaria			
	• C	lean Water Project Company / Bulgaria			
	• IF	A CIFATT / Romania			
	• \\	/DL Powertrain Systems Engineering Ltd / United Kingdom			
Contact person:	Name	me: -			
	Organisa		n: University of Craiova		
	Address:		A.I. Cuza Street No. 13, Craiova, 200585, Dolj / Romania		
	Phone:		-		
	E-Mai	l:	-		
	Webs	te: <u>www.ucv.ro</u>			
			Fin	ANCING	
Available: (please tick a box)		□ Yes	; [Partly X No	
Available: (please tick a box) Total budget:		Yes	4 EUR (indicativ	Partly X No	
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Other:	
Relation to other Priority Areas of the Danube Region Strategy:	 PA1b: To improve mobility and multimodality – Road, rail and air links PA02: To encourage more sustainable energy PA03: To promote culture and tourism, people and people contacts PA04: To restore and maintain the quality of waters PA05: To manage environmental risks PA06: To preserve biodiversity, landscapes and the quality of air and soils PA07: To develop the knowledge society through research, education and information technologies PA08: To support the competitiveness of enterprises, including cluster development PA09: To invest in people and skills PA10: To step up institutional capacity and cooperation
	serious crime
	EUSDR COMPLIANCE
Compliance with targets of the Danube Region Strategy:	 Increase the cargo transport on the river by 20% by 2020 compared to 2010. 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. 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. Implement harmonised River Information Services (RIS) on the Danube and its navigable tributaries and ensure the international exchange of RIS data preferably by 2015. 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:	 To complete the implementation of TEN-T Priority Project 18 on time and in an environmentally sustainable way. To invest in waterway infrastructure of Danube and its tributaries and develop the interconnections. To modernise the Danube fleet in order to improve environmental and economic performance. To coordinate national transport policies in the field of navigation in the Danube basin.



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	To support Danube Commission in finalising the process of reviewing the Belgrade Convention.
	X To develop ports in the Danube river basin into multimodal logistics centres.
	To improve comprehensive waterway management of the Danube and its tributaries.
	To promote sustainable freight transport in the Danube Region.
	To implement harmonised River Information Services (RIS).
	To invest in education and jobs in the Danube navigation sector.
Affiliation to thematic	Waterway infrastructure and management
Area 1a of the EUSDR:	X Ports and sustainable freight transport
	X Danube fleet
	River Information Services
	X Education and jobs
	OTHER RELEVANT ISSUES
Project requirements:	_
Follow-up project:	-
Any other issues:	-