

# Project Data Sheet

BASIC PROJECT DATA			
<b>Full project title:</b>	<b>Traffic vessel management and information system on the Danube, Danube–Black Sea Canal and Poarta Alba–Midia Navodari Canal</b>		
<b>Short project title:</b> (acronym)	RoRIS	<b>Project logo:</b>	–
<b>Project website:</b>	www.roris.ro	<b>Project ID:</b>	PA1A085
<b>Need and added value for Danube Region Strategy:</b>	<p>Within the project a most complex system in the area of Intelligent Systems of Naval Transport was developed, taking into account that it covers all ports with significant traffic on the Romanian Danube sector. Having a total of 36 locations geographical distribution, it fulfills the following functions: to communicate with the navigators and to send out information concerning the fairway, to supply the authorities with information regarding the vessel routes, river traffic management, dangerous goods transportation management, the prevention of accidents as well as statistics.</p>		
<b>Objective(s) of project:</b>	<p>Develop an intelligent transport system in order to ensure the safety of navigation on the Danube, the Danube–Black Sea Canal and the Poarta Alba–Midia Navodari Canal.</p>		
<b>Conducted project activities:</b>	<p>In the second stage of the project it was necessary to purchase equipment to provide complete VHF and AIS coverage for the Romanian Danube sector. Software adjustments were implemented to update the services in line with the new European regulations in the RIS area, to add new services (to support the reduction of the disaster-related effects) and to allow the data exchange with the national RIS centres in Europe. Extension of the system to the Danube-Black Sea and the Poarta Albă – Midia Năvodari Canals.</p> <p>The project scope, defining its successful implementation, is defined by the completion of the following high level milestones:</p> <ul style="list-style-type: none"> <li>• Finalization and acceptance of the infrastructure works and equipment (9 new pylons construction, refurbishment, IT hardware and related software)</li> <li>• Finalization and acceptance of the VHF system deployment in 28 locations</li> <li>• Finalization and acceptance of the Radar system deployment in 13 locations</li> <li>• Finalization and acceptance of the AIS system deployment containing 12 redundant base-stations</li> <li>• Finalization and acceptance of the 13 CCTV system</li> <li>• Finalization and acceptance of the meteorological system deployment in 24 locations</li> <li>• Finalization and acceptance of the 18 units radio links system</li> <li>• Finalization and acceptance of the RIS system related services (NTS, ERI, ECDIS, Hull database, Calamity Abatement support, Dangerous Goods, Ships and Crew Registration)</li> <li>• Finalization and acceptance of the overall systems integration into one single RIS national centre and interfacing with external systems (AFDJ, ACN, Border Police, external RIS centres)</li> </ul>		
<b>Transboundary impact:</b>	<p>The Danube River is used for navigation by vessels flying all kinds of flags.</p> <p>Between rkm 1075 – rkm 845.5 the Danube is shared by Romania and Serbia.</p> <p>Between rkm 845.5 – rkm 375 the Danube is shared by Romania and Bulgaria.</p>		

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<b>Project beneficiaries / target groups:</b>	Beneficiaries: Romanian Naval Authority, National Company Administration of the Navigable Canals SA Constanta Target groups: shipping companies		
STATUS AND TIME FRAME			
<b>Current project phase:</b> (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		
<b>Start date:</b>	2010	<b>End date:</b>	2012
<b>Notes:</b>	-		
PROJECT TEAM			
<b>Project leader:</b>	Romanian Naval Authority (RNA)		
<b>Project partner(s):</b>	National Company Administration of the Navigable Canals SA Constanta (ACN)		
<b>Contact person:</b>	<b>Name:</b>	-	
	<b>Organisation:</b>	Romanian Naval Authority	
	<b>Address:</b>	Incinta Port Constanta nr. 1; Cladirea ANR, 900900 Constanta, Romania	
	<b>Phone:</b>	-	
	<b>E-Mail:</b>	-	
	<b>Website:</b>	<a href="http://www.rna.ro">www.rna.ro</a>	
FINANCING			
<b>Available:</b>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No		
<b>Total budget:</b>	15,900,000 EUR		
<b>Source(s) and amount (potential sources for project ideas):</b>	<input checked="" type="checkbox"/> National/regional funds:	5,670,000 EUR (State budget for RNA)	
	<input checked="" type="checkbox"/> EU funds:	10,230,000 EUR National Operational Programme "Transport" 2007 – 2013 (ERDF)	
	<input type="checkbox"/> IFI loans:		
	<input type="checkbox"/> Private funds:		
	<input type="checkbox"/> Other:		

PROJECT ENVIRONMENT	
<b>Project cross-reference:</b>	<ul style="list-style-type: none"> <li>• IRIS Europe (<a href="http://www.iris-europe.net">www.iris-europe.net</a>)</li> <li>• NEWADA (<a href="http://www.newada.eu">www.newada.eu</a>)</li> <li>• RISING – RIS Services for Improving the Integration of Inland Waterway Transports into Intermodal Chains</li> </ul>
<b>Cross-reference ID(s):</b>	–
<b>Strategic reference:</b>	<ul style="list-style-type: none"> <li>• Strategy for sustainable development in the period 2007-2013 and 2020, 2030 approved by Minister of Transport Order no. 508/2008</li> <li>• Government Programme 2009 – 2012</li> <li>• Navigation and Inland Waterway Action and Development in Europe (NAIADES) COM (2006) 6 final</li> <li>• White Paper Roadmap to a Single European Transport Area – Towards a competitive and resource efficient transport system COM(2011) 144 final</li> </ul>
<b>Relevant legislation:</b>	<p>European legislation substantiating project implementation:</p> <ul style="list-style-type: none"> <li>• DIRECTIVE 2005/44/EC OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 7 September 2005 on harmonised river information services (RIS) on inland waterways in the Community</li> <li>• COMMISSION REGULATION (EC) No 414/2007 of 13 March 2007 concerning the technical guidelines for the planning, implementation and operational use of river information services (RIS) referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council</li> <li>• COMMISSION REGULATION (EC) No 415/2007 of 13 March 2007 concerning the technical specifications for vessel tracking and tracing systems referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council</li> <li>• COMMISSION REGULATION (EC) No 416/2007 of 22 March 2007 concerning the technical specifications for Notices to Skippers as referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council</li> <li>• COMMISSION REGULATION (EU) No 164/2010 of 25 January 2010 on the technical specifications for electronic ship reporting in inland navigation referred to in Article 5 of Directive 2005/44/EC of the European Parliament and of the Council</li> <li>• Decision No 661/2010/EU of the European Parliament and of the Council of 7 July 2010 on Union guidelines for the development of the trans-European transport network</li> <li>• Navigation and Inland Waterway Action and Development in Europe (NAIADES) COM (2006) 6 final</li> </ul> <p>National legislation establishing of the framework for RIS implementation and usage in Romania:</p> <ul style="list-style-type: none"> <li>• Ministerial Order 1057 of 19 October 2010 concerning the harmonization of the Romanian River Information Service (RIS) with European Community River Information Services</li> <li>• Low no. 203/2003 regarding the guidelines for the creating, development and modernization of transport network of national and international importance</li> </ul>
<b>Other:</b>	-

EUSDR EMBEDDING	
<b>Relation to other Priority Areas of the Danube Region Strategy:</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> PA1b: To improve mobility and multimodality – Road, rail and air links</li> <li><input type="checkbox"/> PA02: To encourage more sustainable energy</li> <li><input type="checkbox"/> PA03: To promote culture and tourism, people and people contacts</li> <li><input type="checkbox"/> PA04: To restore and maintain the quality of waters</li> <li><input type="checkbox"/> PA05: To manage environmental risks</li> <li><input type="checkbox"/> PA06: To preserve biodiversity, landscapes and the quality of air and soils</li> <li><input type="checkbox"/> PA07: To develop the knowledge society through research, education and information technologies</li> <li><input type="checkbox"/> PA08: To support the competitiveness of enterprises, including cluster development</li> <li><input type="checkbox"/> PA09: To invest in people and skills</li> <li><input type="checkbox"/> PA10: To step up institutional capacity and cooperation</li> <li><input type="checkbox"/> PA11: To work together to promote security and tackle organised and serious crime</li> </ul>
EUSDR COMPLIANCE	
<b>Compliance with targets of the Danube Region Strategy:</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> Increase the cargo transport on the river by 20% by 2020 compared to 2010.</li> <li><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.</li> <li><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.</li> <li><input checked="" 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.</li> <li><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.</li> </ul>
<b>Compliance with actions of the Danube Region Strategy:</b>	<ul style="list-style-type: none"> <li><input type="checkbox"/> To complete the implementation of TEN-T Priority Project 18 on time and in an environmentally sustainable way.</li> <li><input checked="" type="checkbox"/> To invest in waterway infrastructure of Danube and its tributaries and develop the interconnections.</li> <li><input checked="" type="checkbox"/> To modernise the Danube fleet in order to improve environmental and economic performance.</li> <li><input type="checkbox"/> To coordinate national transport policies in the field of navigation in the Danube basin.</li> <li><input type="checkbox"/> To support Danube Commission in finalising the process of reviewing the Belgrade Convention.</li> </ul>

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	<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 checked="" type="checkbox"/> To promote sustainable freight transport in the Danube Region. <input checked="" type="checkbox"/> To implement harmonised River Information Services (RIS). <input type="checkbox"/> To invest in education and jobs in the Danube navigation sector.
<b>Affiliation to thematic working group of Priority Area 1a of the EUSDR:</b>	<input type="checkbox"/> Waterway infrastructure and management <input type="checkbox"/> Ports and sustainable freight transport <input type="checkbox"/> Danube fleet <input checked="" type="checkbox"/> River Information Services <input type="checkbox"/> Education and jobs
<b>OTHER RELEVANT ISSUES</b>	
<b>Project requirements:</b>	-
<b>Follow-up project:</b>	There is no follow-up project planned. However, intense monitoring of the project operation and data quality analyses are foreseen after implementation, to foster the creation of a solid knowledge base for future maintenance and development options.
<b>Any other issues:</b>	-