

Project Data Sheet

BASIC PROJECT DATA			
Full project title:	SMART Waterway Integrated Management		
Short project title: (acronym)	SWIM	Project logo:	-
Project website:	-	Project ID:	PA1A115
Need and added value for Danube Region Strategy:	<p>The Danube river is the main waterway artery of Central and South-Eastern Europe and could function as key axis for logistics, supporting regional development and economic growth in ten riparian countries. It also connects the markets of Central & Western Europe with the Black Sea region, via Constanta Port and the maritime seaports on the Danube. Several key industries of the region strongly depend on the Danube waterway for competitive logistics which is a pre-condition for safeguarding jobs in the region. Over the last two decades, the reliability and cost-effectiveness of Danube transportation deteriorated tremendously which lead to a significant reduction of the transport volumes, reaching less than 40 million tons per year.</p> <p>The deterioration of the fairway situation resulted in blockages of several days and even weeks of the fairway in the years 2011, 2012, 2013 and 2015, causing millions of Euros losses for the navigation sector and their customers. Major industries like steel, agriculture, construction, chemical, etc. suffered from increases in logistics costs as well as from the interruption of supply chains, which reduced their economic performances as well as their perspectives.</p> <p>The severest restrictions to navigation occurred on the Lower Danube, in the common Romanian – Bulgarian Danube sector. Three locations are especially critical: Calafat, Bechet and Corabia. Capital dredging measures are planned for each of these sections. The project is closely interlinked with FAST Danube and FAIRway Danube. Only after the approval of the environmental impact assessment done within FAST Danube works planned within SWIM may start.</p> <p>The project is an important step towards the removal of bottlenecks along the Danube and the transnational cooperation between both Waterway Administrations – River Administration of the Lower Danube Galati - AFDJ and Executive Agency for Exploration and Maintenance of the Danube River – IAPPD.</p>		
Objective(s) of project:	<p><u>General objective:</u></p> <p>The proposed project SWIM aims at removing three critical bottlenecks and strengthening the cooperation between AFDJ and IAPPD as a preparatory step for future joint measures on the Lower Danube.</p> <p><u>Specific objectives:</u></p> <ul style="list-style-type: none"> • Elaboration of the measures, based on the necessary actions for fairway rehabilitation and ports access; • Identify the technical resources for measures implementation and improving the safety of navigation; • Development of an integrated concept for measures implementation; • Procurement of the technical equipments for fairway rehabilitation; • Remove the bottlenecks and open a new and sustainable fairway trajectory; • Improve the port access; • Increase the safety of navigation in the bridge areas; • Test an innovative solution for safety of navigation; 		

	<ul style="list-style-type: none"> • Proposal for enhanced of procedure framework used for fairway rehabilitation actions. <p>The project is in close cooperation with the CEF Actions “FAIRway Danube” and “FAST Danube”. Both waterway Administrations – River Administration of the Lower Danube Galati AFDJ Galati and Executive Agency for Exploration and Maintenance of the Danube River IAPPD – are partners in both CEF Actions.</p>
<p>Planned project activities:</p>	<p>The project is structured into six activities, as follow:</p> <p><u>Activity 1: Project Management and dissemination</u></p> <ul style="list-style-type: none"> • SuAc. 1.1: Project Management • SuAc. 1.2: Project Dissemination <p><u>Activity 2: Integrated Concept to ensure a good Navigation status</u></p> <ul style="list-style-type: none"> • SuAc. 2.1: Data analyses and establishment of a priority list of measures to ensure good navigation status • SuAc. 2.2: Development of integrated concept to ensure good navigation status <p><u>Activity 3: SWIM – SMART IT Platform</u></p> <ul style="list-style-type: none"> • SuAc. 3.1: Public procurement for the design and deployment of the IT platform; • SuAc. 3.2: Design and development of the IT platform • SuAc. 3.3: Deployment of the IT platform <p><u>Activity 4: Procurement and delivery of technical equipment to carry out capital dredging works and enhanced safety of navigation</u></p> <ul style="list-style-type: none"> • SuAc. 4.1: Procurement of vessels and equipment to carry out capital dredging works and enhance the safety of navigation <p><u>Activity 5: Pilot capital dredging measures for improved navigation status</u></p> <ul style="list-style-type: none"> • SuAc. 5.1: Pilot project implementation • SuAc. 5.2: Assessment of the the effectiveness of the pilot measures <p><u>Activity 6: Evaluation and recommendations</u></p> <ul style="list-style-type: none"> • SuAc. 6.1: Evaluation of the pilot measures • SuAc. 6.2: Joint framework of cooperation between Romania and Bulgaria
<p>Transboundary impact:</p>	<p>The proposed project will have a positive impact for shipping companies and their industrial clients (transport users) by ensuring cost-effective and safe water depths at a guaranteed minimum standard. Major industries of the region will benefit from more reliable and less costly waterborne logistics chains. The improvements of the fairway will also have indirect and induced positive economic effects arising e.g. from increased economic activities in the Danube inland and seaports, including the Port of Constanta.</p> <p>The project will strengthen the cooperation between Romanian and Bulgarian waterway administration by an increased innovative approach and technical capacity on fairway rehabilitation.</p> <p>The project can be considered as a necessary preparatory step to the future works of river engineering on the common Romanian – Bulgarian Danube sector.</p> <p><u>In addition, the project will:</u></p> <ul style="list-style-type: none"> • Ensure and sustain economic and social development of regions located in the Danube River basin, in compliance with environmental protection requirements • Stimulate cargo flows in the region thus improving the economic development of the area • Stimulate the development of a sustainable transport system in the area in order to ensure inter-modality (railway transport, road transport, maritime and inland waterway transport) • Significantly contribute to the objective of the EUSDR to increase cargo transport on the Danube by 20% until the year 2020

Project Data Sheet

Project beneficiaries / target groups:	<p><u>Beneficiary:</u> River Administration of the Lower Danube Galati (AFDJ Galati) and Executive Agency for Exploration and Maintenance of the Danube River (IAPPD), Ministry of Transport from Romania, and local authorities, port administration.</p> <p><u>Direct target groups:</u> actors in charge with the development of inland waterways and ports, decision-makers on political and administrative level, national and regional authorities (waterways and ports authorities).</p> <p><u>Indirect target groups:</u> actors that will benefit from and contribute to the operation and services of Danube fairway such as: river & maritime ports and logistical centres, freight forwarders, shippers, shipping companies, terminal operators, chambers of commerce, logistics associations, railway associations, operators of combined transport, and many other stakeholders from manufacturing sector as well as cargo trading businesses.</p>		
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 checked="" type="checkbox"/> Implementation <input type="checkbox"/> Completion		
Start date:	01.07.2016	End date:	31.12.2020
Notes:	<p>The Feasibility Study for the technical design and the economic assessment of the technical vessels necessary for AFDJ was finalized in December 2015.</p> <p>The project is closely linked with the project "FAST Danube", financed from CEF, which will provide technical solution and environmental assessment for fairway rehabilitation actions and "FAIRway Danube", as a coordination platform of the Danube region waterway administrations for the implementation of the Fairway Rehabilitation and Maintenance Master Plan of the Danube and its Tributaries (FRMMP).</p>		
PROJECT TEAM			
Project leader:	River Administration of the Lower Danube Galati, Romania		
Project partner(s):	Executive Agency for Exploration and Maintenance of the Danube River – IAPPD / Bulgaria		
Contact person:	Name:	-	
	Organisation:	River Administration of the Lower Danube Galati	
	Address:	Portului Street, no. 32, Galati, Romania	
	Phone:	-	
	E-Mail:	-	
	Website:	www.afdj.ro	

Project Data Sheet

FINANCING											
Available: (please tick a box)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input checked="" type="checkbox"/> No										
Total budget:	EUR 12,222,200										
Source(s) and amount (potential sources for project ideas): (please tick a box and provide further info)	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;"><input checked="" type="checkbox"/> National/regional funds:</td> <td>State budget, EUR 1,833,330</td> </tr> <tr> <td><input checked="" type="checkbox"/> EU funds:</td> <td>CEF Programme, EUR 10,388,870</td> </tr> <tr> <td><input type="checkbox"/> IFI loans:</td> <td>[Name of source and amount in EUR, i.e. loans by international financial institutions, e.g. EIB, EBRD]</td> </tr> <tr> <td><input type="checkbox"/> Private funds:</td> <td>[Name of source and amount in EUR]</td> </tr> <tr> <td><input type="checkbox"/> Other:</td> <td>[Name of source and amount in EUR]</td> </tr> </table>	<input checked="" type="checkbox"/> National/regional funds:	State budget, EUR 1,833,330	<input checked="" type="checkbox"/> EU funds:	CEF Programme, EUR 10,388,870	<input type="checkbox"/> IFI loans:	[Name of source and amount in EUR, i.e. loans by international financial institutions, e.g. EIB, EBRD]	<input type="checkbox"/> Private funds:	[Name of source and amount in EUR]	<input type="checkbox"/> Other:	[Name of source and amount in EUR]
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PROJECT ENVIRONMENT											
Project cross-reference:	<ul style="list-style-type: none"> Network of Danube Waterway Administrations – NEWADA Network of Danube Waterway Administrations - data and user orientation – NEWADA Duo TENT-T/CEF project: “FAST Danube” – Technical Assistance for improving the navigation conditions on the Romanian Bulgarian, common Danube sector and complementary studies CEF project “FAIRway Danube” – Coordination and implementation project of the FRRMP/EUSDR PA1A IRIS Europe 3 										
Cross-reference ID(s):	PA1A119 (FAST DANUBE), PA1A108 (FAIRway Danube)										
Strategic reference:	<ul style="list-style-type: none"> NIAIDES II Policy Package: “Towards quality inland waterway transport”: Seeks to create the conditions for inland navigation transport to become a quality mode of transport The EU Strategy for the Danube Region Europe 2020 – Europe’s growth strategy Communication from the Commission Freight Transport Logistics Plan (SEC 2007 / 1320; SEC 2007/1321) The Romanian Strategy for Sustainable Transport 2007-2013 and 2020, 2030: Contains a special chapter dedicated to maritime and inland water way transport Masterplan for Transport of Romania Fairway Rehabilitation and Maintenance Master Plan of the Danube and its Tributaries (FRMMP) / EUSDR PA1A 										
Relevant legislation:	<ul style="list-style-type: none"> Council Regulation (EC) No. 1083/2006 of 11 July 2006 laying down general provisions on the European Regional Development Fund and the Cohesion Fund and repealing Regulation (EC) No. 1260/1999 Regulation (EC)No.1080/2006 of the European Parliament and of the Council of 5 July 2006 on the European Regional Development Fund and repealing Regulation(EC)No.1783/1999 Commission Regulation (EC) No. 1828/2006 of 8 December 2006 setting out rules for the implementation of Council Regulation (EC) No.1083/2006 laying down general provision on the European Regional Development Fund, the European Social Fund and Cohesion Fund and of Regulation(EC) Nr.1080/2006 of the European Parliament and of the Council on the European Regional Development Fund 										

	<ul style="list-style-type: none"> • Directive 2000/60/EC of the European Parliament and of the Council establishing a framework for the Community action in the field of water policy • Law no. 107/25 September 1996 – the Water Law • Convention for the Protection of the Danube signed on June 29, 1994 in Sofia, Bulgaria (entered into force in October 1998) • EU Regulation 1315/2013 (TEN-T regulation) and in relation to the EU Regulation 1316/2013 – Connecting Europe Facility (CEF) • The Recommendations of the Danube Commission regarding fairway parameters • The Danube Navigation Regulations • UNECE Agreement on AGN
Other:	-
EUSDR EMBEDDING	
Relation to other Priority Areas of the Danube Region Strategy:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> PA1b: To improve mobility and multimodality – Road, rail and air links <input type="checkbox"/> PA02: To encourage more sustainable energy <input checked="" 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 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 checked="" type="checkbox"/> PA08: To support the competitiveness of enterprises, including cluster development <input type="checkbox"/> PA09: To invest in people and skills <input checked="" 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:	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Increase the cargo transport on the river by 20% by 2020 compared to 2010. <input checked="" 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 checked="" 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 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. <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.

Project Data Sheet

<p>Compliance with actions of the Danube Region Strategy:</p>	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> To complete the implementation of TEN-T Priority Project 18 on time and in an environmentally sustainable way. <input checked="" type="checkbox"/> To invest in waterway infrastructure of Danube and its tributaries and develop the interconnections. <input type="checkbox"/> To modernise the Danube fleet in order to improve environmental and economic performance. <input checked="" 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 checked="" type="checkbox"/> To develop ports in the Danube river basin into multimodal logistics centres. <input checked="" 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 checked="" 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 checked="" type="checkbox"/> Waterway infrastructure and management <input checked="" 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
<p>OTHER RELEVANT ISSUES</p>	
<p>Project requirements:</p>	<p>As critical issue: Environmental permits and authorization from Romania and Bulgaria.</p>
<p>Follow-up project:</p>	<p>Execution of works on the TEN-T network, for removal of the bottlenecks on the Romanian – Bulgarian Danube common sector.</p>
<p>Any other issues:</p>	<p>-</p>