

BASIC PROJECT DATA			
Full project title:	Development and installation of the navigation monitoring and electronic fairway marking system on the Danube River (AtoNs)		
Short project title: (acronym)	-	Project logo:	-
Project website:	-	Project ID:	PA1A151
Need and added value for Danube Region Strategy:	The introduction of the AIS AtoN technology in marking of waterways and management of the fairway marking system is a significant improvement compared with the traditional methods used in the inland waterways. Marking interventions by the respective waterway administrations can be executed on demand instead of regular marking tours along the entire national stretch.		
Objective(s) of project:	<p>The project's overall objective is to procure and install the equipment for the navigation monitoring and fairway marking system on the Danube River in Serbia.</p> <p>By realisation of this project more than 160 navigation buoys will be allocated on the Danube River which are equipped with AIS AtoN transponders that will enable real-time monitoring of the condition of every single buoy allowing Plovput to react accordingly in order to improve the safety of navigation. Through the development of a software tool the interactive network of real and virtual AtoNs will be integrated into the existing RIS system, dynamically providing real-time data about the current position of the navigation buoys to the waterway users by using the AIS and ECDIS systems on the ship deck.</p> <p>The modern supervision and early warning system and management of the fairway marking system will enable centralized supervision, faster and more efficient decision making, better planning and it will additionally enable immediate electronic marking of the fairway that is visible to the direct participants in navigation by usage of relevant devices. Through the usage of the electronic navigation charts, participants in navigation will always be informed of the position of the fairway, irrespective of the actual navigation conditions (fog, night, damage to the existing buoys for fairway marking, etc.) and under conditions where it is impossible to physically mark the fairway or where such marking requires time.</p>		
Planned project activities:	<p>The project is being implemented through the realisation of three contracts:</p> <ol style="list-style-type: none"> 1. Technical assistance and supervision of equipment installation and integration of the navigation monitoring system on the Danube River Contract has been signed with the best bidder in July 2016. 2. Procurement and installation of equipment for navigation monitoring on the Danube River In June 2017, the contract was signed with the best bidder. 3. Integration of the navigation monitoring system on the Danube River In June 2017, the agreement was signed with the most successful bidder. Completion deadline: 2018. 		
Transboundary impact:	The whole inland navigation sector in the Danube Region will benefit from the planned measures, as most transports on the Danube are transnational.		
Project beneficiaries / target groups:	The users of the waterway and also the waterway administrations are the main beneficiaries of the project.		
STATUS AND TIME FRAME			

Project Data Sheet

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:	2016	End date:	2018
Notes:	-		
PROJECT TEAM			
Project leader:	MCTI – Directorate for Inland Waterway (Plovput) the End Recipient of the Project / Serbia		
Project partner(s):	-		
Contact person:	Name:		
	Organisation:	Plovput Serbia	
	Address:	Francuska 9, 11000 Belgrade / Serbia	
	Phone:		
	E-Mail:		
	Website:	www.plovput.rs	
FINANCING			
Available: (please tick a box)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No		
Total budget:	2.65 million EUR (estimated)		
Source(s) and amount (potential sources for project ideas): (please tick a box and provide further info)	<input checked="" type="checkbox"/> National/regional funds:	397,500 EUR	
	<input checked="" type="checkbox"/> EU funds:	2,252,500 EUR are funded by <i>Instrument for Pre-Accession Assistance (IPA) 2013</i>	
	<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:	<ul style="list-style-type: none"> TEN-T Rhine Danube Corridor Work Plan Master Plan and Feasibility Study for Inland Waterway Transport in Serbia 		

Project Data Sheet

	<ul style="list-style-type: none"> Inland Waterway Transport Strategy for the Republic of Serbia for the period 2015-2025 Action plan for the Inland Waterway Transport Strategy for the Republic of Serbia for the period 2015-2020
Relevant legislation:	<ul style="list-style-type: none"> Law on navigation and ports on inland waterways, Law on Environmental Impact Assessment, Law on Waters Council Regulation (EC) No. 1085/2006 of 17 July 2006 establishing an Instrument for Pre-Accession Assistance (IPA) - OJL 210/82 of 31.07.2006
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 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 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:	<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 2020. <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 2020. <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 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 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 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 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 type="checkbox"/> Ports and sustainable freight transport <input 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>