

Project Data Sheet

BASIC PROJECT DATA			
Full project title:	Feasibility Study for rehabilitation and extension of the hydrometric stations network on the Danube in Romania		
Short project title: (acronym)	HyQ DANUBE	Project logo:	
Project website:	-	Project ID:	PA1A166
Need and added value for Danube Region Strategy:	<p>The project was needed in order to improve the safety and efficiency of inland waterway navigation on the Romanian Danube, as a part of TEN-T core transport network. The role of this project was to help improve the safety of navigation on the Danube river, respecting the recommendations of the Danube Commission in Budapest, in view of the increase in freight and passenger traffic, envisaged for the next 10-15 years.</p>		
Objective(s) of project:	<p>The objective of the project was the identification of solutions and technical requirements necessary for the rehabilitation and expansion of the hydrometric stations network to ensure navigation conditions and improve traffic safety on the Romanian Danube sector. The real-time publication of hydrological data and the realisation of international hydrological data exchange were also part of the study.</p> <p>Specific objectives:</p> <ul style="list-style-type: none"> • Improved quality of hydrological data measured/determined in hydrometric stations, located on the Romanian sector of the Danube; • Determination of the navigable track gauge for the Romanian sector of the Danube; • Elaboration of statistical data communicated to the Danube Commission in Budapest; • Setting the characteristic levels for each critical location in order to design future hydrotechnical constructions in ports or isolated locations, as well as to protect existing hydrotechnical works; • Improving the quality of data used in the data exchange activity at national level, with other institutions active in this field, as well as at international level, for the common Danube sectors, with the responsible institutions of neighbouring countries. 		
Conducted project activities:	<p>The aim of the study was to provide a complete set of documents for the rehabilitation and expansion of the network of hydrometric stations on the Danube in Romania, including tender documents for design and execution and the application for funding to access the necessary investment funds.</p> <p>The study should serve as a starting point for improving the quality of data collected in hydrometric stations located on the Romanian Danube sector, in order to: Provide information on hydrological conditions and forecasts for users, to increase traffic safety on the Danube, to ensure the provision of information on hydrological and meteorological conditions during periods of high waters (floods) and low water (drought), in order to protect the environment and hydraulic structures and to establish characteristic local levels, to design future hydraulic structures in ports and isolated locations on the Danube.</p> <p>Activities:</p>		

	<ol style="list-style-type: none"> 1. Project management 2. Analysis of existing legislation and regulations 3. Feasibility Study: <ul style="list-style-type: none"> ◦ Hydrological Study, ◦ The study for establishing the technical-functional characteristics of the equipment, ◦ The study for the implementation of the communication network and the connection to existing data processing systems, ◦ Geotechnical study for the realization of hydrotechnical structures, ◦ Elaboration of alternative technical-functional scenarios (minimum two scenarios) 4. Elaboration of the cost-benefit analysis (for each scenario considered) 5. Evaluation of alternative functional and technical scenarios; preferred variant 6. Preliminary design of the preferred variant 7. Documentation required to obtain all permits and approvals for the SF stage 8. Drafting of tender documentation 9. Preparation of the application for funding 10. Clarification for the application for funding, if required by the funding programme 11. Dissemination of information and activities with visibility 12. Surrender to the beneficiary of all project results, reports, archives, correspondence documents, etc.
<p>Transboundary impact:</p>	<p>The project itself – as a study – had no direct impact on the situation of hydrometric stations on the Romanian sector of the Danube. The proposed measures though would 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 would benefit from more reliable and less costly waterborne logistics chains. The improvements of the fairway would 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>Serbia, Bulgaria and Ukraine, by availability of data within the joint sectors of the Danube.</p>
<p>Project beneficiaries / target groups:</p>	<p><u>Beneficiary:</u> River Administration of the Lower Danube Galati (AFDJ Galati), Ministry of Transport from Romania.</p> <p><u>Direct target groups:</u> actors in charge of the development of inland waterways and ports, decision-makers on political and administrative level, national and regional authorities (waterway and ports authorities), national authorities for water and environmental management. Waterway Administration from Republic of Serbia and Republic of Bulgaria and Romania Naval Authority.</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>

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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		
Start date:	03/2015	End date:	12/2015
Notes:	-		
PROJECT TEAM			
Project leader:	River Administration of the Lower Danube Galati / Romania		
Project partner(s):	iC Consulente Zivltechniker GesmbH INHGA – National Hydrological Institute RFiD Solutions S.R.L. - System Integrator company of radio frequency ID solutions into Romanian market		
Contact person:	Name:	-	
	Organisation:	River Administration of the Lower Danube Galati (AFDJ Galati)	
	Address:	Portului, 32, Galati, Romania	
	Phone:	-	
	E-Mail:	-	
	Website:	www.afdj.ro	
FINANCING			
Available: (please tick a box)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No		
Total budget:	EUR 620,000		
Source(s) and amount (potential sources for project ideas):	<input checked="" type="checkbox"/> National/regional funds:	EUR 93,000	
	<input checked="" type="checkbox"/> EU funds:	EUR 527,000 co-financed through the <i>Operational Programme "Transport" (POS-T) 2007-2013</i>	
	<input type="checkbox"/> IFI loans:		
	<input type="checkbox"/> Private funds:		
	<input type="checkbox"/> Other:		

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PROJECT ENVIRONMENT	
Project cross-reference:	<ul style="list-style-type: none"> • Follow-up project: HyQ2 DANUBE - Rehabilitation and extension of the hydrometric stations network on the Danube in Romania (PA1A123) • FAIRway Danube (PA1A108)
Cross-reference ID(s):	-
Strategic reference:	<ul style="list-style-type: none"> • NAIADES 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 • 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"> • 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 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 checked="" 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	
<p>Compliance with targets of the Danube Region Strategy:</p>	<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 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 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.
<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 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 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 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
OTHER RELEVANT ISSUES	

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Project requirements:	-
Follow-up project:	
Any other issues:	-