


Project Data Sheet

BASIC PROJECT DATA			
Full project title:	Effects of climate change on the inland waterway networks		
Short project title: (acronym)	ECCONET	Project logo:	
Project website:	www.econet.eu	Project ID:	PA1A079
Need and added value for Danube Region Strategy:	Improved knowledge with respect to projected climate change effects on inland waterway transport in the Danube region including the requested adaptation measures.		
Objective(s) of project:	<p>The project was based on the consolidation and analysis of earlier and existing research work as well as the application of existing climate change and hydrological assessment tools for complementary evaluation of climate change effects on the inland waterway transport (IWT) network. The development of new models was excluded from the study.</p> <p>Final results contain projections of transport costs and flows on the inland waterway network for different climate change scenarios up to 2050 and analyses of the possible economic effects of these different scenarios as well as cost-benefit assessments of possible adaptation strategies. The project provides essential information for decision makers and guidelines for future research on climate change and IWT.</p>		
Project activities:	<ul style="list-style-type: none"> • Impact of climate change on hydrological conditions of navigation: consolidation of results and final reporting as well as estimation of nautical conditions for the Danube as input to economic evaluations. • Involvement in economic, environmental and technical evaluation of transport solutions for the Danube. • Evaluation of adaptation strategies (hydrological works) including costs based on performed and planned hydrological works. • Elaboration on policy recommendations. • Dissemination of results: co-organisation of final conference, consolidation of project results as input to the EU project PLATINA as well as dissemination of results to Waterborne TP and EIRAC; cooperation with the EWENT project. 		
Transboundary impact:	The objective of this project is to gather the expertise of partners from different fields related to meteorology, hydrology, infrastructure operation, transport and economics in order to assess the effect of climate change on the transport network, taking the inland waterway network as a case study.		
Project beneficiaries / target groups:	<ul style="list-style-type: none"> • Waterway management authorities • Political decision-makers • Inland navigation industry 		
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)		

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	<input type="checkbox"/> Implementation <input checked="" type="checkbox"/> Completion	
Start date:	01.10.2010	End date: 31.12.2012
Notes:	The project is co-funded by the EU's FP7; Call SST-2008-TREN-1, Research area: SST.2008.1.3.1. Effects of climate change on inland waterway and transport networks; Grant agreement no.: 233886	
PROJECT TEAM		
Project leader:	TML - Transport and Mobility Leuven / Belgium	
Project partner(s):	<ul style="list-style-type: none"> • via donau - Österreichische Wasserstraßen-Gesellschaft mbH / Austria • VU Amsterdam / The Netherlands • NEA - Transport Research and Training / The Netherlands • FUCaM - Facultés Universitaires Catholiques de Mons / France • BfG - Bundesanstalt für Gewässerkunde / Germany • VITUKI - Environmental Protection and Water Management Research Institute Non-profit Company / Hungary • OMSZ - Országos Meteorológiai Szolgálat / Hungary • DST - Entwicklungszentrum für Schiffstechnik und Transportsysteme e.V. / Germany • KNMI - Koninklijk Nederlands Meteorologisch Instituut / The Netherlands 	
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FINANCING		
Available: (please tick a box)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Partly <input type="checkbox"/> No	
Total budget:	2,260,345 EUR	
Source(s) and amount (potential sources for project ideas): (please tick a box and provide further info)	<input checked="" type="checkbox"/> National/regional funds:	627,258 EUR (State budgets)
	<input checked="" type="checkbox"/> EU funds:	1,633,087 EUR (Seventh Framework Programme)
	<input type="checkbox"/> IFI loans:	

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	<input type="checkbox"/> Private funds:	
	<input type="checkbox"/> Other:	
PROJECT ENVIRONMENT		
Project cross-reference:	Extreme weather impacts on European networks of transport (EWENT)	
Cross-reference ID(s):	PA1A080	
Strategic reference:	–	
Relevant legislation:	–	
Other:	–	
EUSDR EMBEDDING		
Relation to other Priority Areas of the Danube Region Strategy: (please tick a box)	<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		
Compliance with targets of the Danube Region Strategy: (please tick a box)	<input 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 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 2015.	

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	<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.
Compliance with actions of the Danube Region Strategy: (please tick a box)	<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 checked="" 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.
Affiliation to thematic working group of Priority Area 1a of the EUSDR: (please tick a box)	<input checked="" type="checkbox"/> Waterway infrastructure and management <input type="checkbox"/> Ports and sustainable freight transport <input checked="" type="checkbox"/> Danube fleet <input checked="" type="checkbox"/> River Information Services <input type="checkbox"/> Education and jobs
OTHER RELEVANT ISSUES	
Project requirements:	–
Follow-up project:	–
Any other issues:	–
META DATA	
Dated created / by:	02.03.2012 / Juha Schweighofer (via donau – Österreichische Wasserstraßen GmbH, Austria)
Date of last update / by:	–