

Annex 3: List of current IWT and multipurpose (incl. IWT) projects in the Danube river basin (status 12 October 2007)

This list summarises ongoing and future navigation projects in the Danube River Basin and focuses on large development projects. It was checked by stakeholders in 2007 in the frame of the process on the Joint Statement on Inland Navigation and Environmental Sustainability in the DRB and will be updated in the future.

Project status is differentiated as: **under concrete planning (of feasibility)**, **under implementation**, **completed**.

The list is based on the Danube Basin Analysis 2004 (WFD Roof Report), ANNEX 6: *Future Infrastructure Projects affecting Hydromorphological Conditions in the Danube River Basin*.

PROJECT NAME / LOCATION	COUNTRY	PROJECT TYPE	PROJECT STATUS (October 2007)	SHORT DESCRIPTION / COMMENTS
1. Danube: Straubing-Vilshofen	Germany	Navigation - TENs	Plan – project assessment for regional planning completed in 2006 (1 dam).	Part of Corridor VII of the TENs list (Eliminating Bottlenecks on the Rhine-Main-Danube-Waterway) of priority projects. The project assessment includes three alternative solutions: 1) fluvial methods only (i.e. groynes, dredging), 2) construction of 1 dams/weirs, and 3) construction of 3 dams/weirs to improve navigation in the 70 km long stretch of the Danube
2.1. Danube: Wachau	Austria	Navigation	Technical surveys on improvement of navigability at 3 critical fords (total length: less than 3 km). Measures to improve sidearm ecology by reconnections have already been realized .	20 km long section (3 fords) to be better maintained for navigation.
2.2. Danube: Vienna - Bratislava	Austria	Navigation – TENs, River-bed-stabilisation and ecological improvement	Plan completed on the base of interdisciplinary experts agreement. Pilot river bank restorations and side-arm reconnections were recently completed. Environmental Impact Assessment to be	One of the TEN priority projects (eliminating bottlenecks on the Rhine-Main-Danube Waterway - Corridor VII). The project involves a variety of infrastructural and ecological measures to improve navigation, the stability of the river bed as well as the ecological

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			completed by mid 2008; construction of pilot projects is planned to start during the low water period 2007/2008; construction of the main project is scheduled for 2008/2009.	conditions along the 50 km stretch of the Danube.
3. Danube-Odra-Elbe Canal	Czech Republic, Slovakia, Austria, Poland, Germany	Navigation	Preliminary study for urbanistic reserve. Discussion on canal plan within Czech government	Preliminary study on connecting the Danube, Odra and Elbe, supported by the water transport development policy, opposed by the environment policy. It has been discussed for a very long time. Implementation is not expected in the near future.
4. Port Devinska Nova Ves	Slovakia	Navigation - Port	Baseline study and plan	Port to be built upstream the mouth of the Morava River (near Bratislava)
5. Danube: Bratislava/Wolfsthal	Slovakia, Austria	Multipurpose (power generation, navigation)	Plan	Supported by the water transport development policy in Slovakia.
6. Danube - Gabčíkovo/Nagyymaros	Slovakia, Hungary	Multipurpose (power generation, navigation)	Partly built – remedial measures needed; ongoing discussion about alternative scheme of operation	Negotiations are ongoing for the implementation of the decision of The International Court of Justice at The Hague.
7. Danube: Hungarian section (Szap-Mohács, rkm 1812-1443)	Hungary	Navigation	Interim Report was published in March 2007 (available at www.vituki.hu). Final Report with the recommendations on the applicable ways of river regulation follows by the second half of September 2007.	The study is supposed to provide proposals for the improvement of the navigability through the improvement of the state of the environment (related issues: elimination of bottlenecks and fords, maintenance issues, ecological rehabilitation, improvement of tourism and recreation, protection of drinking water resources and many other aspects).
8. Danube:	Serbia	Navigation	Identified in Master Plan and	Identified 20 bottlenecks for navigation;

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rkm 1428 – 1197.7			feasibility study for IWT in Serbia	7 have high priority – works planned in next 3 years
9. Danube: Apatin (rkm 1405 – 1400)	Serbia, Croatia	Multi-purpose (navigation, unstable bank protection, flood and ice protection)	Feasibility studies under development both in Serbia and Croatia.	Bilateral negotiations planned, agreement between Presidents
10. Multipurpose hydrotechnical system/Drava River	Croatia, Hungary	Power generation, irrigation, flood protection, navigation	Croatian State Physical Planning Programme (1999); design developed	--
11.1. Rehabilitation and development of navigation on the Sava River	Slovenia, Croatia, Bosnia and Herzegovina, Serbia	Navigation	Pre-feasibility study completed; Transport Needs Assessment and Legal and Administrative Framework Studies ongoing (USAID); Feasibility Study to be launched in 2007	Project is aimed to restore navigation on the Sava River and upgrade the waterway infrastructure; Coordination and management – by the Sava Commission
11.2. Sava	Slovenia	Navigation	Strategy is ready.	Potential location of harbour mentioned in the Spatial Development Strategy of Slovenia, possibly in the area of Brežice.
11.3. Multipurpose hydro-technical system/Sava river	Croatia	Power generation, navigation, water supply, irrigation, flood protection	State Physical Planning Programme (1999); design developed	Cooperation with Bosnia and Herzegovina, downstream of the Una river mouth
12. Danube-Sava navigable canal	Croatia	Multipurpose hydrotechnical system (navigation, irrigation, drainage)	Design developed, environmental assessment 2007; spatial plan published in May 2007, preliminary works to start in 2007	Consultation with NGOs and forestry society under way
13. Danube between Bulgaria and Romania	Bulgaria, Romania	Navigation - TENS	Feasibility study 2007-2008 (works planned at 152 M€ for 2009-2012)	Negotiations foreseen between the Romanian and Bulgarian Environment and Transport Authorities in order to mitigate the adverse impact on the water status. ISPA assistance for Romania (2.7 M €)

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				was contracted in May 2007 to produce a feasibility study including EIA for the section Iron Gate II (rkm 863) to Calarasi/Silistra (rkm 375);
14.1. Danube: Calarasi – Braila (rkm 345 – 175)	Romania	Navigation	Feasibility study and technical project including EIA were finalized in 2006 (1.64 M€ ISPA and state funds). Received stakeholder comments led to modifications of the technical project Environment Permit was issued by Ministry of Environment in February 2007. Tender procedure for the works supervision was finalized in 09/2007; tender procedure for the works contract will be finalized by the end of 2007.	EU Technical Assistance (ISPA) for the improvement of navigation conditions meets the Danube Commission recommendation (2.50 m): This is part of Corridor no. VII with many bottlenecks below 1.5 m. The project aims to realise bottom sills, bank protection, groins, river bed calibration and stabilization. Estimated costs (according to feasibility study): 56 M€: <ul style="list-style-type: none"> Phase I: 37.7 MEUR with 50% from ISPA fund (works 35.55 M€, supervision 1.7 M€). Period: 2008 – 2010 Phase II: 20.45 M€ from EU cohesion funds and state budget, period: 2011 - 2013
14.2. Maritime Danube and Sulina channel	Romania	Navigation	Feasibility studies and works for every component of the project in different stages of elaboration, implementation	Improvement of navigation conditions of the Danube and its maritime sector; bank protection of Sulina channel (part of Corridor no. VII) Total costs: 76 M€ (38 M€ state and M€ loan from EBI). Implementation: 2004 – 2009. Project components: <ul style="list-style-type: none"> Banks protection on Sulina Canal Signalization and topographical measurement system for the Romanian Danube
15. Danube Port of Moldova	Moldova	Navigation	Port opened in 2007	Oil terminal at Giurgiulesti for the supply of the country, located upstream the

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				Danube delta
16.1. Romanian Danube Delta	Romania	Navigation	Works 2006-2009	Bank protection on Sulina Channel (64 M€), topographic and hydro-graphic survey and signaling system on the Danube (5 M€)
16.2. Ukrainian Danube – Black Sea deep water fairway	Ukraine	Navigation	Navigation resumed in 2007 and the fairway is under revival	Works on the future revival and creation of the protecting dike: 12 M€ in 2007, 18 M € in 2008