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ACTION PLAN FOR THE PERIOD 2011-2015
concerning the
STRATEGY ON IMPLEMENTATION
OF THE FRAMEWORK AGREEMENT
ON THE SAVA RIVER BASIN

April 2011

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INTRODUCTION

The *Action Plan* presents an accompanying document to the *Strategy on Implementation of the FASRB*, providing a list of actions necessary to be undertaken in order to ensure an effective implementation of the *FASRB* in the period 2011-2015¹. The actions are divided into several groups – priority areas, each of the priority areas corresponding to a specific objective of the *FASRB* (see Chapter 4 of the *Strategy*), and listed in a table form.

The actions referring to the “establishment of the international regime of navigation on the Sava River and its navigable tributaries” (Art. 2, Para. 1.a, and Art. 10 of the *FASRB*) are listed under the Priority area 1 – “Navigation”.

The actions aiming to “establish the sustainable water management in the basin” and “undertake measures to prevent or limit hazards, and reduce and eliminate adverse consequences, including those from floods, ice hazards, droughts and incidents involving substances hazardous to water” (Art. 2, Paras. 1.b and 1.c, and Art. 11 of the *FASRB*) are outlined under the Priority areas 2, 3 and 4 – “River basin management”, “Flood management” and “Accident prevention and control”.

The actions presented under the “Cross-cutting issues” and “Public participation and stakeholder involvement” (Tables 5 and 6) have the primary aim to facilitate the *FASRB* implementation in the fields of navigation and integrated water management.

For each action, the starting and ending years are given, and the prerequisites for realization of the action are indicated. The starting year of all actions launched before 2011 (i.e. the starting year of the *Action Plan*) is additionally marked with an asterisk, to indicate a continuation of an ongoing activity. Similarly, the ending year of the actions to be continued after 2015 (i.e. the ending year of the *Action Plan*), is marked with an asterisk, to indicate an activity to be continued.

¹ The years correspond to the financial years of the ISRBC, covering the period as of 1 April of the year stated, to 31 March of the subsequent year. All the years, mentioned throughout the *Action Plan*, also correspond to the financial year stated.

1. NAVIGATION

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.	ADMINISTRATIVE AND LEGAL FRAMEWORK			
1.1	Harmonization and upgrading of the navigation rules – negotiation on a Europe-wide convention	2011*	2015*	
1.2	Harmonization and upgrading of the navigation rules – monitoring of implementation (meetings and workshops with portmaster offices, competent authorities and users of the waterway)	2011*	2015*	
1.3	Harmonization and upgrading of the navigation rules – further regulation of navigation on special sectors	2013	2015*	
1.4	Harmonization and upgrading of the rules for boatmasters and crew – monitoring of implementation (meetings and workshops with the portmaster offices, competent authorities and users of the waterway)	2011*	2015	
1.5	Harmonization and upgrading of the rules for boatmasters and crew – introduction of special sectors	2011*	2012	
1.6	Harmonization and upgrading of the rules for boatmasters and crew – development of the examination system for the boatmasters	2012	2014	
1.7	Harmonization and upgrading of the rules for boatmasters and crew – development and upgrading of the education system for crew members	2013	2015*	
1.8	Harmonization and upgrading of the rules for radio communication in navigation	2011*	2015	
1.9	Preparation of navigation maps (paper ENC) of the Sava River (development of maps and system for regular upgrading)	2011*	2013	
1.10	Maintenance and upgrading of the publication related to navigation safety (<i>Manual for navigation, Indicator of River Kilometers, Album of Bridges, List of Winter Ports and Winter Shelters</i>)	2011*	2015*	
1.11	Development and acceptance of the technical rules for vessels	2011*	2013	

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.12	Upgrading of the technical rules for vessels (coordination with development of the EU directive)	2013	2015*	
1.13	Harmonization and upgrading of the rules for transport of dangerous substances (coordination with the <i>ADN</i>)	2011*	2015*	
1.14	Development and acceptance of the rules on prevention of air pollution caused by exhaust gases from vessels	2013	2015*	
1.15	Unification of the custom procedure	2013	2015	
1.16	Unification of the phyto-sanitary supervision procedure	2013	2015	
1.17	Removal of other administrative obstacles – identification of problems through meetings and workshops with the portmaster offices, competent authorities and users of the waterway and possible actions	2011*	2015*	
2.	INFRASTRUCTURE			
2.1	Rehabilitation and development of navigation on the Sava River – establishment of a coordination body in the ISRBC framework	2011	2011	
2.2	Rehabilitation and development of navigation on the Sava River – establishment of principles for rehabilitation costs sharing	2011	2011	
2.3	Rehabilitation and development of navigation on the Sava River – development of the detailed design and other necessary documentation	2011*	2012	Securing funding for implementation in the first half of 2011.
2.4	Rehabilitation and development of navigation on the Sava River – obtaining of the necessary work permits	2012	2012	
2.5	Rehabilitation and development of navigation on the Sava River – tendering procedure for the works	2013	2013	
2.6	Rehabilitation and development of navigation on the Sava River – implementation of works on the waterway in accordance with the design documentation	2013	2015*	Securing funding for implementation by the end of 2012.

No.	Action	Timetable		Prerequisites for realization
		start	end	
2.7	Development and implementation of the marking plans (annual marking plans, monitoring of the system and maintenance of the web application, upgrading of the rules for set-up of the system)	2011*	2015	Delivery of the necessary data by the Parties and securing funding for implementation.
2.8	Development and implementation of the maintenance plans (unification of the methodology for development and reporting)	2011	2015	Delivery of the necessary data by the Parties and securing funding for implementation.
2.9	Cooperation with the Danube Commission on the project <i>Album of Ports in the Danube Region</i> – inclusion of the Sava ports in the <i>Album</i>	2011	2012	
2.10	Facilitation of the port development – methodology for reporting, systematization of data for the ports	2012	2015*	
2.11	Promotion of the ports – organization of workshops with the port authorities, port operators and port users	2012	2015*	
2.12	RIS development – implementation of the basic services (AIS, Inland ECDIS, NtS)	2011*	2013	Securing funding for implementation in the second half of 2011.
2.13	Further RIS development	2013	2015*	Securing funding for implementation by the end of 2012.
2.14	Investigation of possibilities for extension of navigability upstream of Sisak toward Slovenia (development of studies and designs)	2013	2015*	
2.15	Proposals for fleet modernization	2014	2015*	
2.16	Promotion of possibilities to introduce the container lines for the Sava ports	2014	2015*	
3.	PROTECTION AGAINST POLLUTION FROM VESSELS			
3.1	Establishment of a system of stations for collection, treatment and disposal of hazardous and other vessel waste on the Sava River	2014	2015*	
3.2	Development of the financing model for the waste collection and possible integration into the Danube system (WANDA)	2011*	2015	

No.	Action	Timetable		Prerequisites for realization
		start	end	
4.	IMAGE			
4.1	Promotion of the Sava River as a transport corridor – re-editing of the publication about navigation with the aim to inform stakeholders about new developments	2011	2012	Securing funding for the promotion activities.
4.2	Promotion of the Sava River as a transport corridor – organization of workshops/meetings with the aim to inform potential users of the waterway about possibilities and advantages of waterway transport in general, and on the Sava, in particular	2012	2015*	
5.	NAUTICAL TOURISM			
5.1	Development of the Master Plan	2011*	2013	Securing funding for implementation in the second half of 2011.
5.2	Promotion of possibilities for nautical tourism on the Sava River – promotion of the <i>Sava Nautical and Tourism Guide</i>	2011	2012	Securing funding for the promotion activities.
5.3	Development of infrastructure for nautical tourism – landing places for cruise ships, marinas	2013	2015*	Securing funding.

2. RIVER BASIN MANAGEMENT

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.	1st SAVA RIVER BASIN MANAGEMENT PLAN (SAVA RBM PLAN) WITH THE PROGRAMME OF MEASURES			
1.1	Preparation of the draft <i>Sava RBM Plan</i> including the <i>Programme of Measures</i>	2011*	2011	
1.2	Public consultation on the draft <i>Sava RBM Plan</i>	2011	2011	
1.3	Preparation of the final <i>Sava RBM Plan</i>	2011	2011	
1.4	Adoption of the <i>Plan</i> by the Parties upon proposal of the ISRBC	2012	2012	
2.	IMPLEMENTATION OF THE PROGRAMME OF MEASURES			
2.1	Reporting on the implementation of the <i>Program of Measures</i>		2014	
2.2	Facilitation of the process on the basin level towards the IFIs, for allocating funds for implementation of the measures	2012	2015*	
3.	PREPARATION OF THE 2nd SAVA RBM PLAN			
3.1	The 2 nd Sava River Basin Analysis	2012	2015	Securing funding for implementation. Delivery of the necessary data by the Parties. Close coordination with the ICPDR.
3.2	Preparation of the Road Map for the 2 nd <i>Sava RBM Plan</i>	2014	2014	
3.3	Preparation of draft 2 nd <i>Sava RBM Plan</i> for PP purposes	2014	2015*	
4.	COORDINATION OF INTEGRATION OF WATER POLICY WITH OTHER POLICIES			
4.1	Additional assessment of the climate change impacts and additional elaboration of the adaptation measures	2012	2015	Securing funding for implementation.
4.2	Further dialogue with the key sectoral stakeholders (e.g. hydropower)	2012	2015*	
4.3	Inter-linkages of RBM with Flood Risk Management	2013	2015*	

No.	Action	Timetable		Prerequisites for realization
		start	end	
5.	ADDITIONAL ELABORATION OF THE ISSUES NOT DESIGNATED AS SWMIs IN THE 1st SAVA RBM PLAN, BUT POTENTIALLY IMPORTANT IN FUTURE			
5.1	Assessment of biodiversity and environmental status of sediment, water and biota in the Sava River Basin	2012	2014	Securing funding for implementation by the end of 2011.
5.2	Preparation of a program for development of the <i>Sediment Management Plan for the Sava River Basin</i>	2013	2013	Signing and ratification of the <i>Protocol on sediment management to the FASRB</i> by the end of 2012.
5.3	Coordination of preparation of the <i>Information on Planned Dredging</i> by the Parties	2013	2015	Signing and ratification of the <i>Protocol on sediment management to the FASRB</i> by the end of 2012.
5.4	Initial activities on the establishment of a coordinated system of sediment monitoring for the purpose of development and implementation of the <i>Sediment Management Plan</i>	2014	2015	Signing and ratification of the <i>Protocol on sediment management to the FASRB</i> by the end of 2012.

3. FLOOD MANAGEMENT

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.	PREPARATORY ACTIVITIES FOR THE DEVELOPMENT OF THE <i>FLOOD RISK MANAGEMENT PLAN (FRM PLAN)</i>			
1.1	Preparation of a detailed <i>Program for Development of the Sava FRM Plan</i>	2011	2012	
1.2	Assessment of data and information needs for preparation of a joint <i>Sava FRM Plan</i> (hydrological, socio-economic and environmental data, state of infrastructure, etc.), identification of data sources on national and international level, finding data gaps and defining a strategy how to obtain the missing data	2011	2012	
2.	PRELIMINARY FLOOD RISK ASSESMENT			
2.1	Initial flood vulnerability assessment in the Sava River Basin and identification of the most vulnerable areas	2011	2011	
2.2	Coordination of information exchange on the preparation of the preliminary flood risk assessment	2011	2012	
3.	FLOOD HAZARD AND RISK MAPS			
3.1	Flood mapping inventory, evaluation of methodologies and recommendations for further work – continuing activity	2011	2012	
3.2	Coordination of information exchange in production of the flood hazard and flood risk maps for the Sava River Basin	2011	2013	
4.	<i>FLOOD RISK MANAGEMENT PLAN</i>			
4.1	Establishment of common objectives for the management of flood risks in the Sava River Basin	2012	2013	
4.2	Development of the <i>FRM Plan</i> including a summary of measures	2013	2015*	Ratification of the <i>Protocol on flood protection to the FASRB</i> , agreement on the scope and timeframe of the <i>FRM Plan</i> .

No.	Action	Timetable		Prerequisites for realization
		start	end	
5.	OTHER FLOOD-RELATED ACTIVITIES			
5.1	Support and coordination of all activities in harmonization of methodologies, joint actions and plans of the Sava countries	2011*	2015*	
5.2	Promotion of exchange of knowledge with international river basin commissions, scientific and research institutions and associations	2011*	2015*	

4. ACCIDENT PREVENTION AND CONTROL

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.	DATA AND INFORMATION EXCHANGE			
1.1	Regular testing of the integrated system to exchange data and information on accident prevention and control	2011*	2015*	
1.2	Analysis of testing of the integrated system to exchange data and information on accident prevention and control	2011*	2015*	
2.	WATER POLLUTION CONTINGENCY MANAGEMENT			
2.1	Development of the water pollution contingency management plan for the Sava River Basin	2012	2014	Securing funding for implementation by the end of 2011.
2.2	Consideration of possibilities for unification of different systems on APC (e.g. AEWS, CECIS (EU), UNECE system)	2011	2012	

5. CROSS-CUTTING ISSUES

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.	INFORMATION MANAGEMENT			
1.1	Refinement and harmonization of the core datasets of the Sava GIS	2011	2011	
1.2	Sava Geoportal core functionalities setup	2011	2011	Strengthening the capacity of the Secretariat.
1.3	Development and implementation of the advanced tools, mapping and reporting services of the Sava GIS	2012	2015	Strengthening the capacity of the Secretariat and securing funding for implementation by the end of 2011.
1.4	Implementation of the dynamic tools and services of the Sava GIS	2015	2015*	Strengthening the capacity of the Secretariat and securing funding for implementation by the end of 2014.
1.5	Establishment of a database of projects and key stakeholders in the Sava River Basin	2011	2011	
2.	HYDROLOGICAL AND METEOROLOGICAL ISSUES			
2.1	Development of an agreement on the hydrological and meteorological data policy in the Sava River Basin	2011	2012	
2.2	Preparation of the <i>Hydrological Yearbook</i> annually	2011*	2015*	Adoption of templates for development of the Yearbook.
2.3	Development of a system for the exchange of meteorological and hydrological data in the Sava River Basin	2011*	2012	
2.4	Development of the <i>Hydrological Study for the Sava River Basin</i>	2012	2014	Securing funding for implementation by the end of 2011.
2.5	Coordination and monitoring of upgrade of the existing hydrological Sava River Basin model and the hydraulic model of the Sava River and its major tributaries	2011	2015*	
2.6	Development and upgrade of the hydrological and meteorological information and flood forecasting and warning system for the Sava River Basin	2012	2015	Securing funding for implementation by the end of 2011.

No.	Action	Timetable		Prerequisites for realization
		start	end	
3.	STATISTICAL ISSUES			
3.1	Establishment of the methodology to collect data regarding the inland waterway transport	2011	2013	
3.2	Collection and processing of statistical data related to navigation and other economic issues of relevance for the <i>FASRB</i> implementation	2011	2015*	

6. PUBLIC PARTICIPATION AND STAKEHOLDER INVOLVEMENT

No.	Action	Timetable		Prerequisites for realization
		start	end	
1.	PUBLIC PARTICIPATION			
1.1	Development of the <i>Public Participation Plan</i>	2011*	2011	
1.2	Coordination of the public participation process in the finalization of the <i>Sava RBM Plan</i>	2011	2011	
1.3	Coordination of the public participation process in the next cycle of the <i>RBM Plan</i> development	2012	2015*	
2.	STAKEHOLDER INVOLVEMENT			
2.1	Analysis of stakeholders in the Sava River Basin	2011*	2011	
2.2	<i>Feasibility study for the establishment of the Sava Water Partnership</i>	2011*	2011	
2.3	Broadening the multi-stakeholder platform in the Sava River Basin to include governmental, non-governmental, business and academic sectors, in accordance with the findings of the <i>Feasibility study</i>	2011	2012	
2.4	Coordination of preparation and participation in the implementation of the project <i>Fostering contribution of the SME (small and medium enterprises) sector to sustainable development of the Sava River Basin</i>	2012	2015	
2.5	Coordination of functioning of the multi-stakeholder platform in the Sava River Basin	2012	2015*	