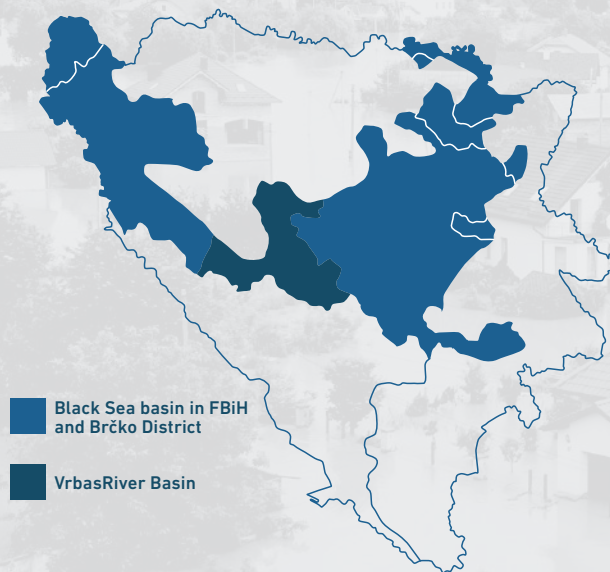




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# DEVELOPMENT OF EROSION MAPS AND DESIGN OF FLOOD PROTECTION INFRASTRUCTURE IN BIH

Soil erosion causes huge and long-lasting damage that is at the same time a threat to several economic sectors in Bosnia and Herzegovina: agriculture, forestry, transport, communal infrastructure, spatial planning, etc. The direct impacts of erosion processes are most significant in agriculture and forestry, while the indirect effects of erosion are reflected in the problems of transport and disposal of river sediments in the hydrographic network, as well as the problems of accumulation of eroded land in reservoirs. Erosion maps are made to present land endangered by erosion processes. Presenting erosion intensity through the maps enables easier and more precise prioritization of anti-erosion activities and easier analysis of costs necessary to stop harmful effects of erosion processes.



Sava River Basin Areas in the Federation of BiH and BD BiH  
for which erosion maps will be developed



Adriatic Sea Basin Areas in the Federation of BiH  
for which erosion maps will be developed

## RESULT 1: EROSION MAPS FOR THE AREA OF THE FEDERATION OF BIH AND BRČKO DISTRICT OF BIH

### TASK 1

Development of erosion map for the territory of FBiH and Brčko District

The development of the Erosion Management Program for FBiH and BD BiH is an initial phase of monitoring and potential control of erosion in flood areas. The information collected on sites prone to erosion will help develop plans for land use, the risk of floods and losses of material and human goods will be reduced.





## RESULT 2: TECHNICAL PROJECT DOCUMENTATION FOR FLOOD PROTECTION INFRASTRUCTURE FOR SELECTED PRIORITY SECTIONS OF SAVA BASIN AND ADRIATIC BASIN IN RS



### TASK 2

Regulation of the Bosna River in the area of the municipalities of Modriča and Vukosavlje - Development of Preliminary and Main Design

The aim of making the Preliminary and Main project for watercourse regulation in the area of Modriča Municipality and Vukosavlje Municipality with a total length of 6 km, starting at the confluence of Dusa river and Bosna river, is prevention flooding caused by the high waters due to heavy rainfall which we have been encountering more and more lately.



6km



Modrica Municipality



Vukosavlje Municipality



### TASK 3

Development of the Preliminary and Main design for the drainage of Petrovo polje

This task refers to the preparation of technical documentation for drainage of water from Petrovo polje, taking into account the flow conditions in the main drainage channel towards Trebišnjica river. Under these conditions, floods in the field are the only factor that creates a problem for the cultivation of the field and intensifying agricultural production.





## TASK 4

Development of Preliminary and Main design for rehabilitation and reconstruction of channel network in Ivanjsko and Lijevepolje

Ivanjsko polje and Lijeve polje have extensive channel networks whose main function is the drainage of internal waters.

Due to inadequate maintenance in the past, the channel network is not in function and is overgrown with dense bushes and trees.

A large number of drainage channels are deformed, which disrupts the continuity of flow towards pumping stations and the final recipient. Once prepared, the technical documentation will offer a solution for the recovery and rehabilitation of the drainage system in the fields, namely 25 km of network for Ivanjsko polje and 45 km of network for Lijevepolje (Liman area).



**Lijeve  
polje**  
45km



**Ivanjsko  
polje**  
25km



## TASK 5

Development of the Preliminary and Main design of the regulation of Drina and Čehotina rivers in the urban part of the municipality of Foča

The aim of developing the Preliminary and Main design of the planned parts of Drina and Čehotina watercourses is to significantly reduce the flood risk, but also to allow implementation of activities related to spatial planning in the urban area of Foča. By regulating, stabilizing banks and extension of protection facilities, the urban and spatial area of Foča will be brought to the required level of protection against harmful water influence. Regulation of the riverbed will represent a quality starting point for the future urbanization of Foča. The implemented activities should "lower city" on the river Drina banks, which will enable the construction of all architectural, recreational and other accompanying contents in the area of the watercourse of rivers Drina and Čehotina through Foča. The total length of the section on river Drina is 1.8 km, and a section on river Čehotina is 1.3 km.



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