

HU_DU_PFP03 Danube

Veránka-sziget



Country: **Hungary**

Centroid: **46.216°N 18.871°E**

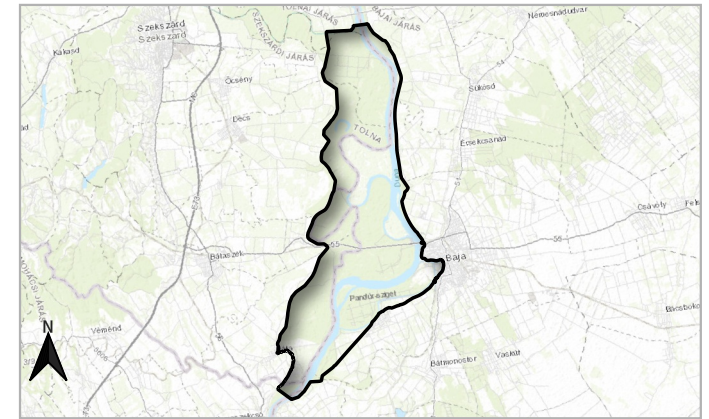
Type: **potential floodplain**

River kilometre: **1498.1 - 1462.7**

Floodplain length: **35.4 km**

Floodplain area: **161.7 km²**

HQ₁₀₀ : **8732 m³/s**



17 km

FEM PARAMETER:



Download detailed report (PDF)
http://www.geo.u-szeged.hu/images/DFGIS/HU_DU_PFP03.pdf



Download floodplain object (ESRI Shape)
http://www.geo.u-szeged.hu/images/DFGIS/HU_DU_PFP.zip

Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

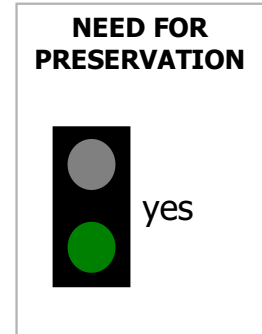
Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

HU_DU_PFP04

Danube

Béda-Karapnacs



Country: **Hungary**

Centroid: **45.912°N 18.793°E**

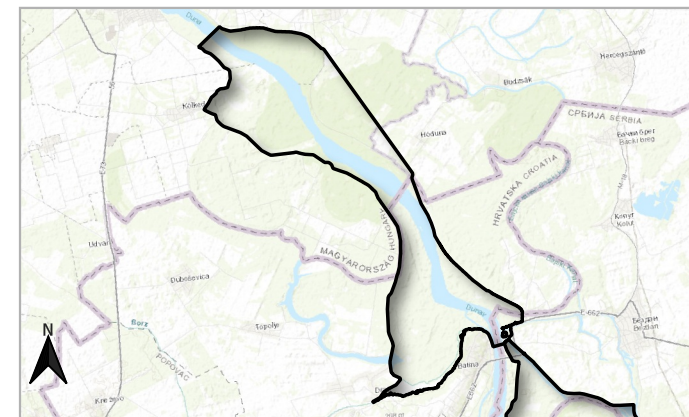
Type: **potential floodplain**

River kilometre: **1444 - 1425**

Floodplain length: **nodata**

Floodplain area: **54.7 km²**

HQ₁₀₀: **8300 m³/s**



9 km

FEM PARAMETER:



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Download floodplain object (ESRI Shape)
http://www.geo.u-szeged.hu/images/DFGIS/HU_DU_PFP.zip

Minimum Parameter Set:

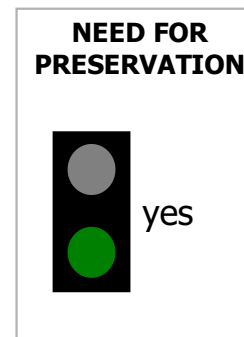
Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance
high
medium
low

FEM-EVALUATION:
 based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RS_DU_PFP01 Danube

Siga - Kazuk



Country: **Serbia**

Centroid: **45.775°N 18.919°E**

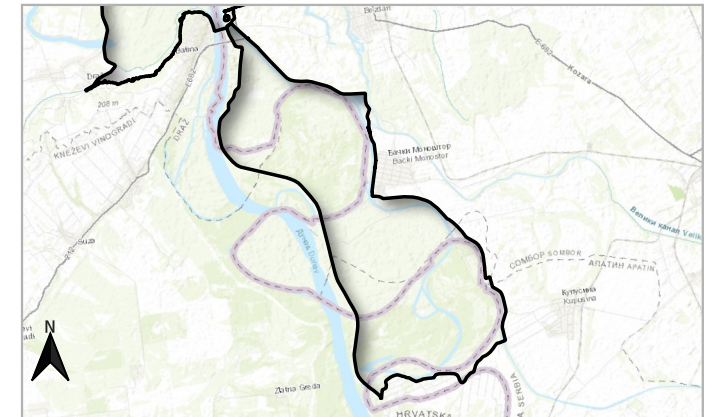
Type: **potential floodplain**

River kilometre: **1425 - 1409**

Floodplain length: **16 km**

Floodplain area: **60.6 km²**

HQ₁₀₀: **7906 m³/s**



FEM PARAMETER:



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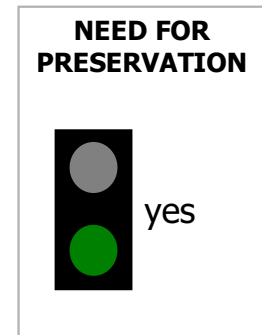
Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
FEM performance high medium low	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM-EVALUATION:
based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries



Country: **Serbia**

Centroid: **45.455°N 19.11°E**

Type: **potential floodplain**

River kilometre: **1364 - 1361**

Floodplain length: **3 km**

Floodplain area: **59.9 km²**

HQ₁₀₀: **8454 m³/s**

FEM PARAMETER:



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Download floodplain object (ESRI Shape)
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Minimum Parameter Set:

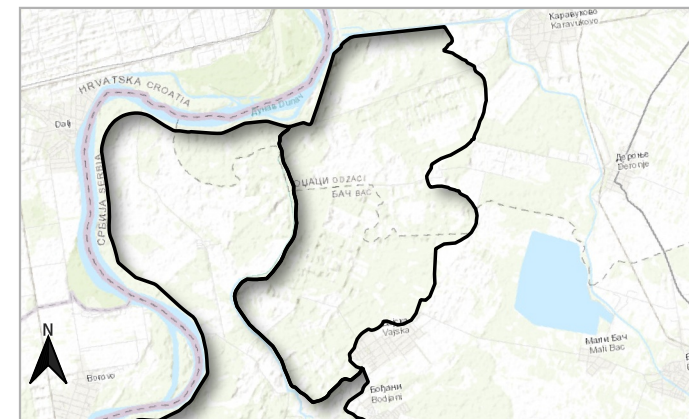
Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low



7 km

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION

yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RS_DU_PFP03

Kamarište

Danube



Country: **Serbia**

Centroid: **45.403°N 19.054°E**

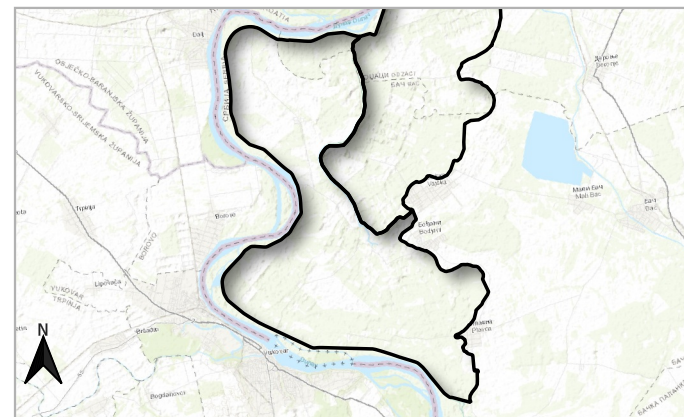
Type: **potential floodplain**

River kilometre: **1361 - 1324**

Floodplain length: **37 km**

Floodplain area: **100.7 km²**

HQ₁₀₀: **8415 m³/s**



FEM PARAMETER:



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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

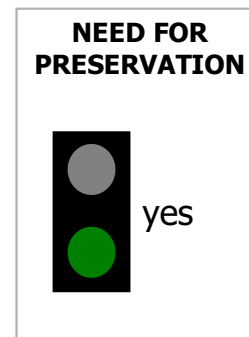
FEM performance

high

medium

low

FEM-EVALUATION:
 based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

BG_RO_DU_PFP01 RO: Desa area; BG: Slivata - Orsoia area Danube



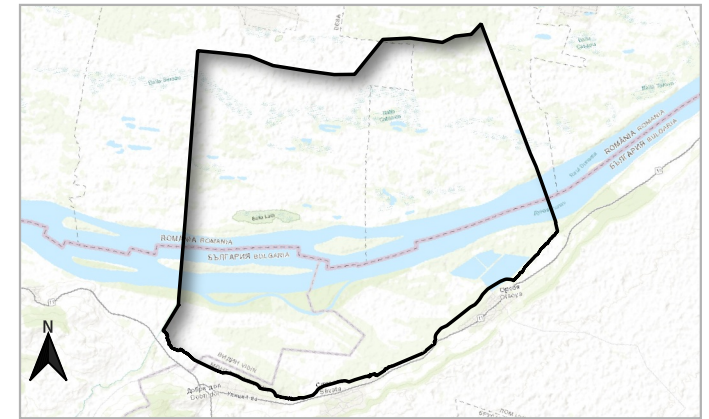
Country: **Bulgaria / Romania** Centroid: **43.81°N 23.054°E**

Type: **potential floodplain** River kilometre: **763 - 753**

Floodplain length: **10.6 km**

Floodplain area: **82.8 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:



Download detailed report (PDF)
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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION

yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

BG_RO_DU_PFP02

RO: Bistret - Bechet area; BG: Dolni Tibar - Oreahovo area

Danube



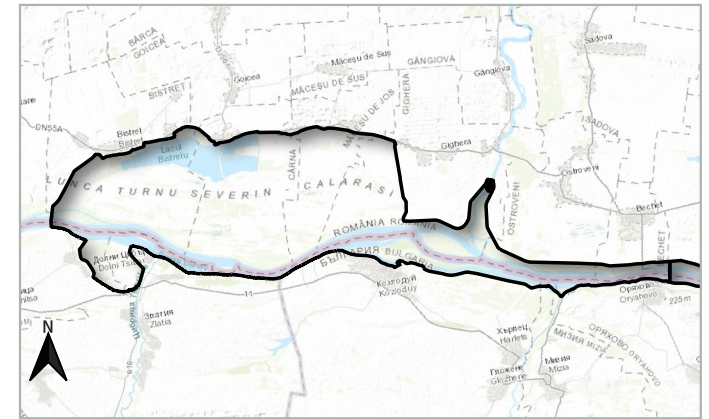
Country: **Bulgaria / Romania** Centroid: **43.829°N 23.641°E**

Type: **potential floodplain** River kilometre: **725 - 677**

Floodplain length: **47.7 km**

Floodplain area: **279.7 km²**

HQ₁₀₀: **nodata**



16 km

FEM PARAMETER:



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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION

yes

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

BG_RO_DU_PFP03 Danube

RO: Bechet - Turnu Magurele area; BG:
Oreahovo - Cerkovita area



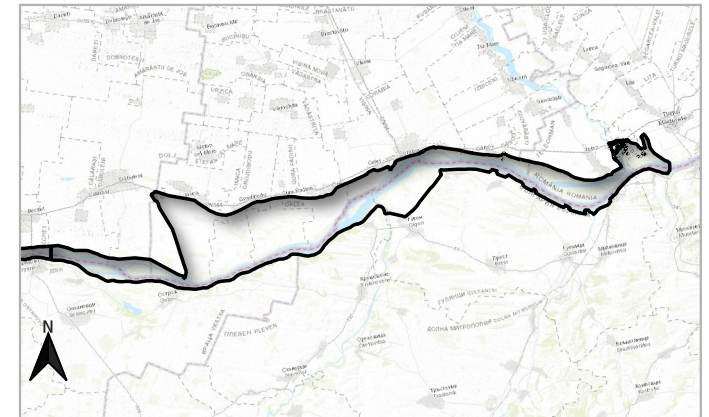
Country: **Bulgaria / Romania** Centroid: **43.727°N 24.388°E**

Type: **potential floodplain** River kilometre: **677 - 600**

Floodplain length: **77.8 km**

Floodplain area: **309.7 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:



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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

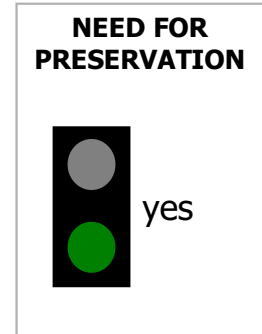
Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

BG_RO_DU_PFP04

RO: Traian - Zimnicea area; BG: Deagas Voivoda - Svistov area

Danube



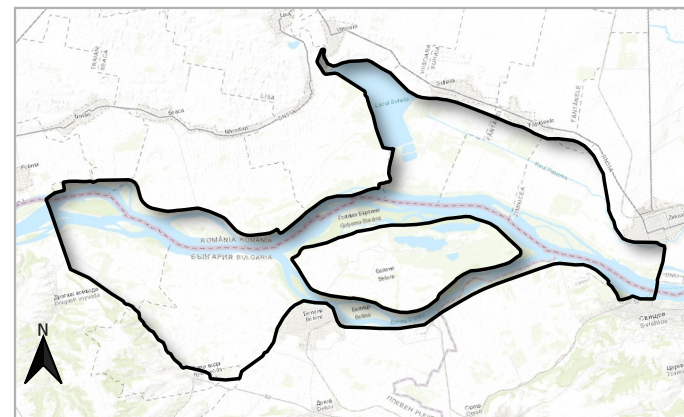
Country: **Bulgaria / Romania** Centroid: **43.685°N 25.162°E**

Type: **potential floodplain** River kilometre: **590 - 554**

Floodplain length: **35.7 km**

Floodplain area: **204.5 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:



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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

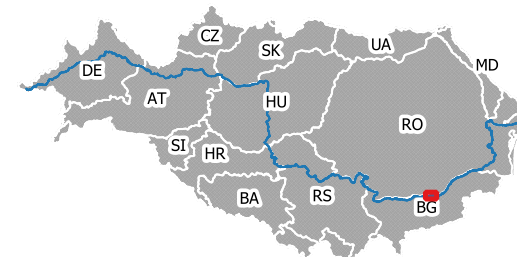
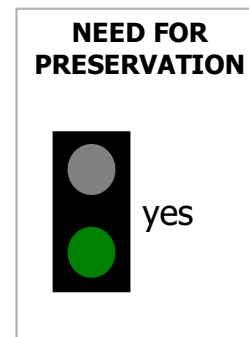
Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
 based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

BG_RO_DU_PFP05 RO: Nasturelu area; BG: Novgrad area Danube



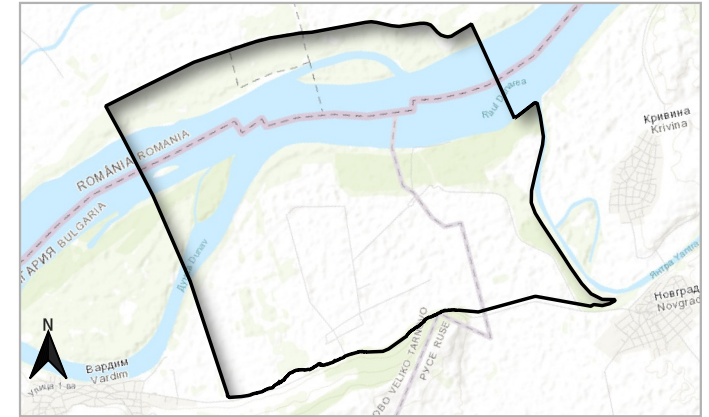
Country: **Bulgaria / Romania** Centroid: **43.633°N 25.527°E**

Type: **potential floodplain** River kilometre: **543 - 537**

Floodplain length: **6.2 km**

Floodplain area: **31.7 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:

Minimum Parameter Set:



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Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

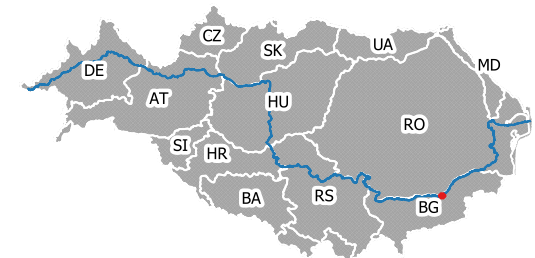
FEM performance

- high
- medium
- low

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION

yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RO_DU_PFP01 Danube

Borcea Buliga



Country: **Romania**

Centroid: **44.342°N 27.79°E**

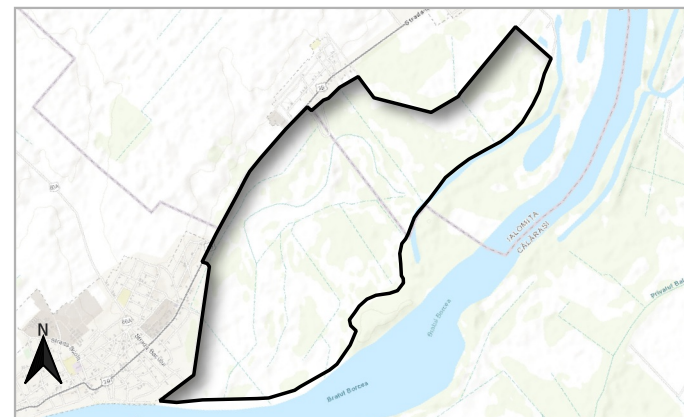
Type: **potential floodplain**

River kilometre: **nodata**

Floodplain length: **6.3 km**

Floodplain area: **8.6 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:



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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

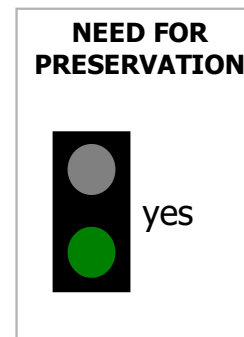
Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
based on minimum parameters



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RO_DU_PFP02

Bentu

Danube



Country: **Romania**

Centroid: **44.429°N 27.938°E**

Type: **potential floodplain**

River kilometre: **nodata**

Floodplain length: **2.5 km**

Floodplain area: **0.7 km²**

HQ₁₀₀: **nodata**

FEM PARAMETER:



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Minimum Parameter Set:

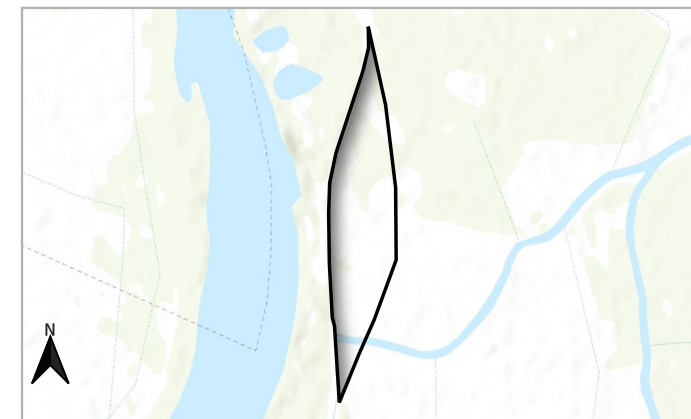
Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

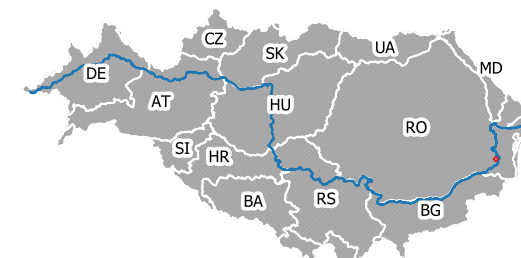
- high
- medium
- low



FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION

yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RO_DU_PFP03

Garliciu

Danube



Country: **Romania**

Centroid: **44.762°N 28.073°E**

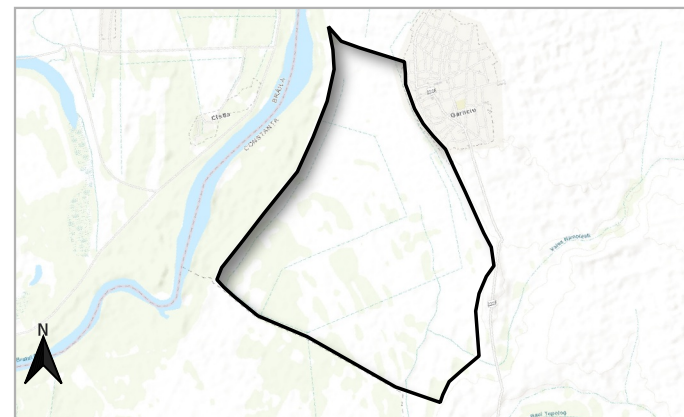
Type: **potential floodplain**

River kilometre: **nodata**

Floodplain length: **4.1 km**

Floodplain area: **10.8 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:



Download detailed report (PDF)
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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION

yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RO_DU_PFP04

Tichilesti

Danube



Country: **Romania**

Centroid: **44.915°N 27.904°E**

Type: **potential floodplain**

River kilometre: **nodata**

Floodplain length: **77.9 km**

Floodplain area: **318.1 km²**

HQ₁₀₀: **nodata**

FEM PARAMETER:



Download detailed report (PDF)
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Download floodplain object (ESRI Shape)
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Minimum Parameter Set:

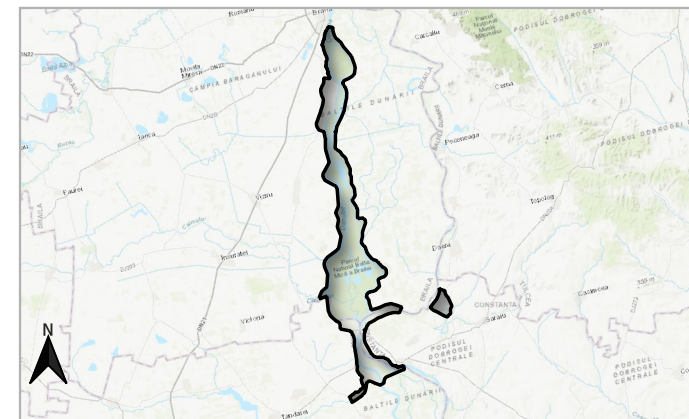
Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low



40 km

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION



yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries

RO_DU_PFP05

Cotu Pisicii

Danube



Country: **Romania**

Centroid: **45.444°N 28.168°E**

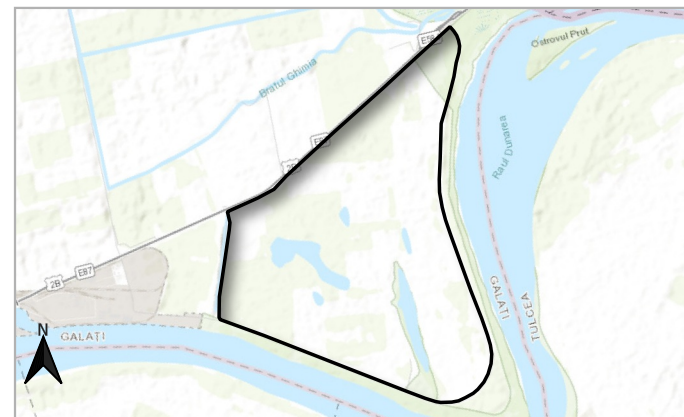
Type: **potential floodplain**

River kilometre: **nodata**

Floodplain length: **5.5 km**

Floodplain area: **11.6 km²**

HQ₁₀₀: **nodata**



FEM PARAMETER:



Download detailed report (PDF)
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Download floodplain object (ESRI Shape)
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Minimum Parameter Set:

Hydrology	Hydraulics	Ecology	Socio-Economics
Peak reduction	Water level change	Connectivity of floodplain water bodies	Potentially affected buildings
Flood wave translation		Existence of protected species	Land use

Additional Parameter Set:

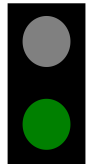
Effects in case of extreme discharges	Flow velocity	Existence of protected habitats	Prencence of documented planning interests
	Bottom shear stress	Vegetation naturalness	
		Water level dynamics	
		Potential for typical habitats	
		Ecological water body status	

FEM performance

- high
- medium
- low

FEM-EVALUATION:
 based on minimum parameters

NEED FOR PRESERVATION



yes



Danube Floodplain

Reducing the flood risk through floodplain restoration along the Danube River and tributaries