# HU\_SK\_DU\_AFP04 Esztergom

#### Danube

Country: Slovakia / Hungary

Centroid: 47.76°N 18.665°E

Type:

area:

active floodplain

31.2 km<sup>2</sup>

River kilometre: 1732.1 - 1719.4

Floodplain

Floodplain 12.3 km

 $HQ_{100}$ : 9176 m<sup>3</sup>/s

length:

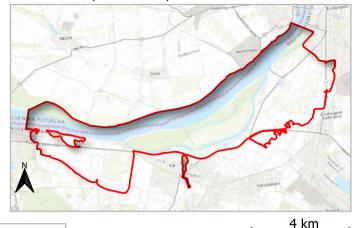
#### **FEM PARAMETER:**

Minimum Parameter Set:





Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HU\_SK\_DU\_AFP.zip

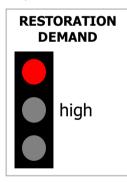


Boundary of active floodplain with Restoration demand

**FEM-EVALUATION:** 

based on minimum parameters



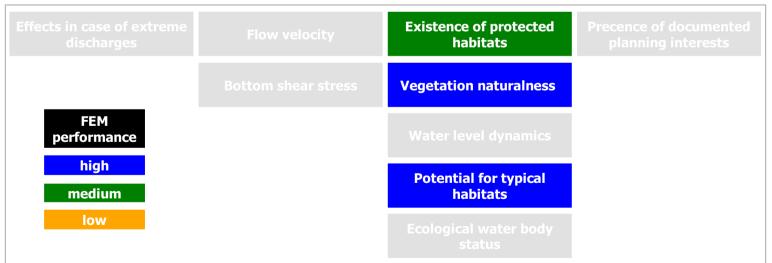






**Socio-Economics Hydrology Hydraulics Ecology** Connectivity of floodplain **Potentially affected** Water level change **Peak reduction** water bodies **buildings Existence of protected** Flood wave translation Land use species

Additional Parameter Set:



#### **Danube Floodplain**

# HU\_SK\_DU\_AFP05 Pilismarót

#### Danube

Country: Slovakia / Hungary

Centroid: 47.802°N 18.875°E

active floodplain Type:

River kilometre: 1710.1 - 1699.8

Floodplain length:

10.5 km

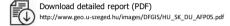
Floodplain

area:

HQ<sub>100</sub>: **9473 m³/s** 

#### **FEM PARAMETER:**

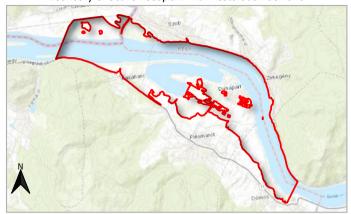
Minimum Parameter Set:



14.9 km<sup>2</sup>



Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HU\_SK\_DU\_AFP.zip Boundary of active floodplain with Restoration demand

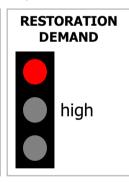


3.7 km

#### **FEM-EVALUATION:**

based on minimum parameters



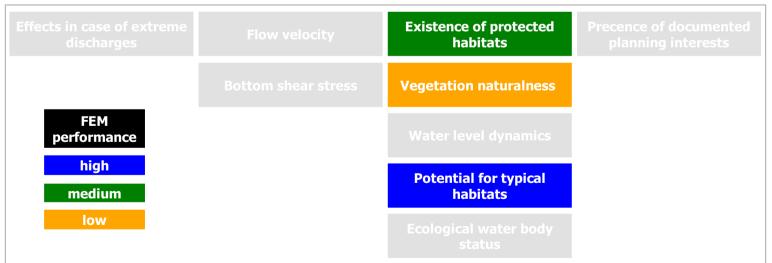






**Socio-Economics Hydrology Hydraulics Ecology Potentially affected** Connectivity of floodplain **Peak reduction** Water level change water bodies buildings **Existence of protected** Flood wave translation Land use species

#### Additional Parameter Set:



#### **Danube Floodplain**

# **HU\_DU\_AFP01**Danube

#### Szentendrei-sz. North

Boundary of active floodplain with Restoration demand



Country: Hungary

Centroid: 47.798°N 19.056°E

Type:

active floodplain River kilometre: 1691.9 - 1679.1

Floodplain length:

**13.4 km** Floodplain

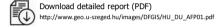
area: **32.3 km²** 

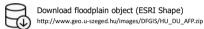
 $HQ_{100}$ : 9412 m<sup>3</sup>/s

4 km

#### **FEM PARAMETER:**

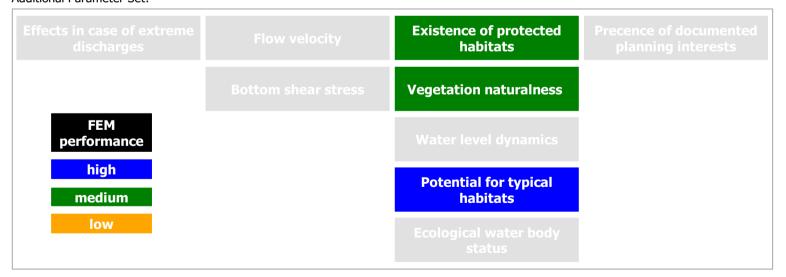
Minimum Parameter Set:





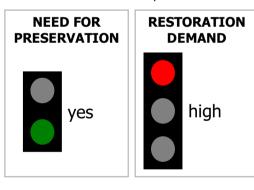
# Hydrology Hydraulics Ecology Socio-Economics Peak reduction Water level change Connectivity of floodplain water bodies Potentially affected buildings Flood wave translation Existence of protected species Land use

#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters







#### **Danube Floodplain**

## **HU\_DU\_AFP02** Danube

#### Szentendrei-sz. South

Boundary of active floodplain with Restoration demand



Country: **Hungary** 

Centroid: 47.627°N 19.096°E

Type:

River kilometre: **1665.1 - 1657.5** 

Floodplain 7.9 km length:

Floodplain 18.2 km<sup>2</sup> area:

active floodplain

 $HQ_{100}$ : 9352 m<sup>3</sup>/s

4 km

#### **FEM PARAMETER:**

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP02.pdf Minimum Parameter Set:

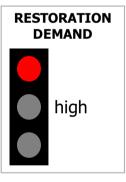
Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP.zip

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

#### **FEM-EVALUATION:**

based on minimum parameters





# RO

# **Danube Transnational Programme** Danube Floodplain

#### Additional Parameter Set:

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

#### **Danube Floodplain**

## HU\_DU\_AFP03 Danube

## Csepel-sziget

70.8 km<sup>2</sup>

#### Boundary of active floodplain with Restoration demand



Country: **Hungary** 

Centroid: 47.231°N 18.919°E

active floodplain Type:

River kilometre: 1636.6 - 1590.8

Floodplain length:

45.9 km

Floodplain

area:

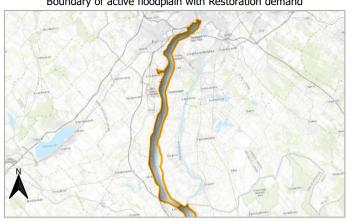
 $HQ_{100}$ : 9272 m<sup>3</sup>/s

#### **FEM PARAMETER:**

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP03.pdf



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

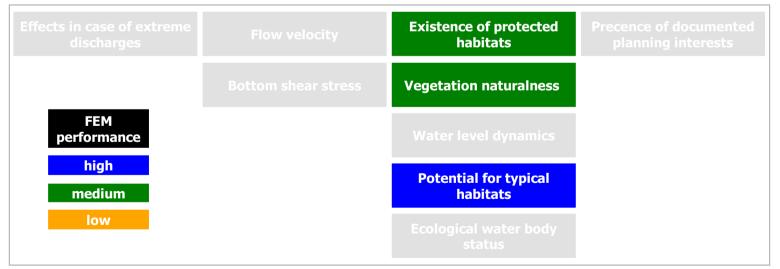


24 km

Minimum Parameter Set:

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

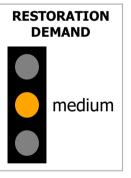
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

## **HU\_DU\_AFP04** Danube

## Dunaújváros

active floodplain

Boundary of active floodplain with Restoration demand



Country: **Hungary** 

area:

Centroid: 46.97°N 18.957°E

Type:

River kilometre: 1590.8 - 1564.8

Floodplain length:

26.4 km

Floodplain 44.7 km<sup>2</sup>

HQ<sub>100</sub>: 9084 m<sup>3</sup>/s

#### **FEM PARAMETER:**

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

Minimum Parameter Set:

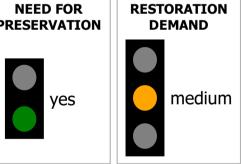
Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP04.pdf

14 km

#### **FEM-EVALUATION:**

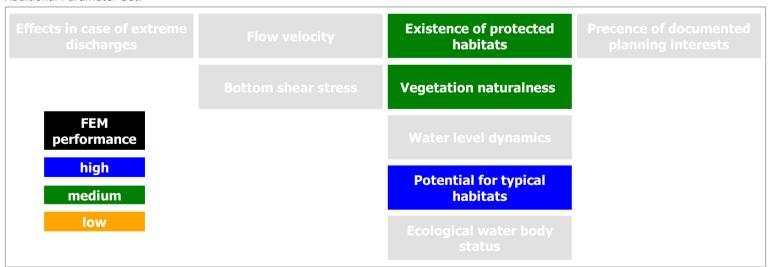
based on minimum parameters

ected	
	F



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

#### Additional Parameter Set:



# RO

# **Danube Transnational Programme** Danube Floodplain

#### **Danube Floodplain**

# **HU\_DU\_AFP05**Danube

#### Dunaföldvár

Boundary of active floodplain with Restoration demand



Country: Hungary

Centroid: 46.74°N 18.977°E

Type: active floodplain

River kilometre: **1564.8 - 1535.8** 

Floodplain length:

29.6 km

Floodplain area: 63.8 km<sup>2</sup>

 $HQ_{100}$ : 9022 m<sup>3</sup>/s

# Do http

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

Secretarian (assistance)

14 km

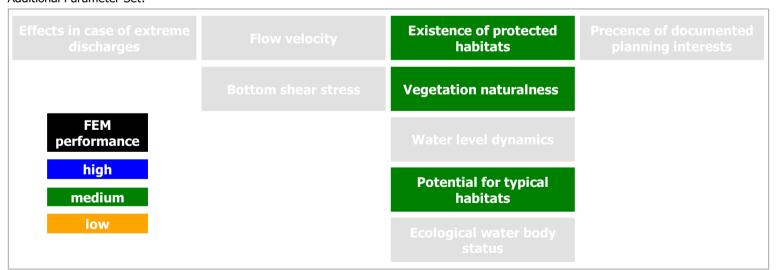
#### **FEM PARAMETER:**

Minimum Parameter Set:

Download detailed report (PDF)
http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP05.pdf

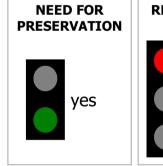
# HydrologyHydraulicsEcologySocio-EconomicsPeak reductionWater level changeConnectivity of floodplain water bodiesPotentially affected buildingsFlood wave translationExistence of protected speciesLand use

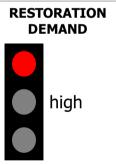
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

# **HU\_DU\_AFP06**

**Paks** 

#### Danube

Country: **Hungary** 

Centroid: 46.598°N 18.881°E

Type:

River kilometre: 1535.8 - 1520.7

Floodplain length:

14.4 km

Floodplain

20.3 km<sup>2</sup>

active floodplain

area:

 $HQ_{100}$ : **8871 m³/s** 

Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP.zip Boundary of active floodplain with Restoration demand



7 km

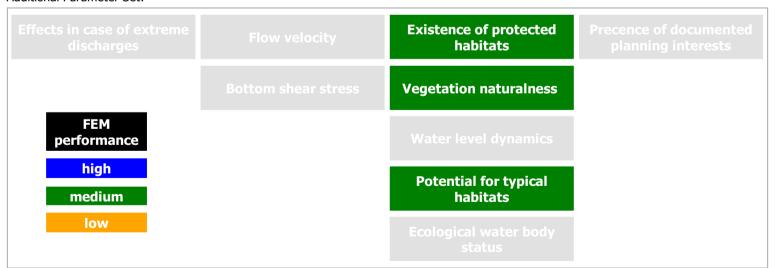
#### **FEM PARAMETER:**

Minimum Parameter Set:

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP06.pdf

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

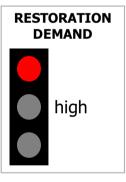
#### Additional Parameter Set:



# **FEM-EVALUATION:**

based on minimum parameters





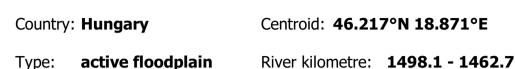




#### **Danube Floodplain**

## Veránka-sziget

Boundary of active floodplain with Restoration demand

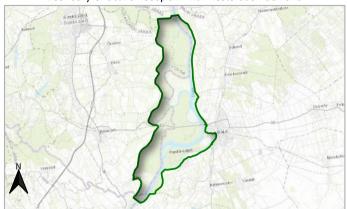


Floodplain 36.3 km length:

Floodplain

159 km<sup>2</sup>

area:



#### **FEM PARAMETER:**

Minimum Parameter Set:

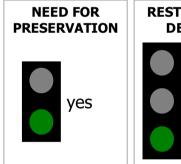
Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP07.pdf Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP.zip

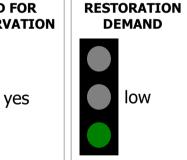
 $HQ_{100}$ : **8741 m³/s** 

17 km

#### **FEM-EVALUATION:**

based on minimum parameters



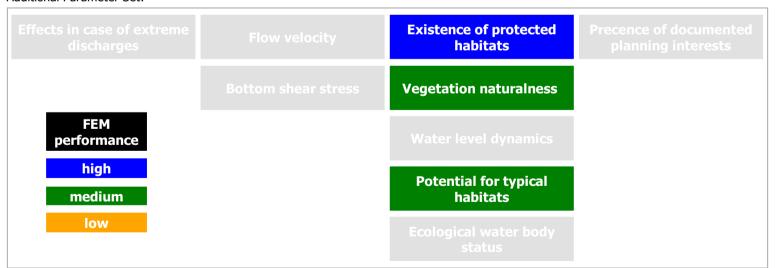






#### **Socio-Economics Hydrology Hydraulics Ecology** Connectivity of floodplain **Potentially affected Peak reduction** Water level change water bodies buildings **Existence of protected** Flood wave translation Land use species

#### Additional Parameter Set:



#### **Danube Floodplain**

# HU\_DU\_AFP08

## Bezerédy-sziget

#### Boundary of active floodplain with Restoration demand



Country: Hungary

Centroid: 46.054°N 18.74°E

\_. . . .

Danube

Type: active floodplain

River kilometre: **1458.9 - 1452.9** 

Floodplain length:

6.2 km

Floodplain area: 9 km²

 $HQ_{100}$ : 8382 m<sup>3</sup>/s

#### **FEM PARAMETER:**

Minimum Parameter Set:

Download detailed report (PDF)
http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP08.pdf

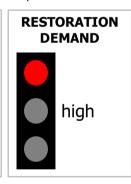
Download floodplain object (ESRI Shape)
http://www.geo.u-szeged.hu/images/DFGIS/HU\_DU\_AFP.zip

2.9 km

#### **FEM-EVALUATION:**

based on minimum parameters



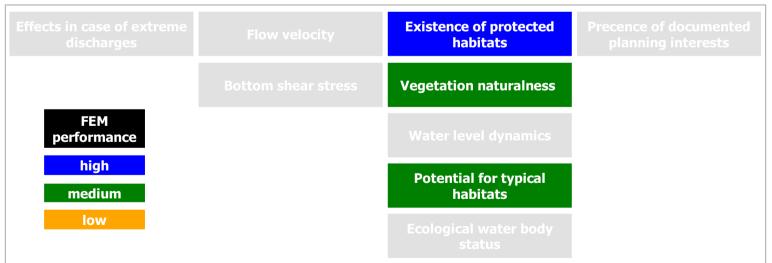


# CZ SK UA MD DE AT HU RO SI HR BA RS BG



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

#### Additional Parameter Set:



#### **Danube Floodplain**

# HR HU\_DU\_AFP01 Béda-Karapnacsa

#### Danube







Hungary / Croatia / Country:

Serhia

Centroid: 45.908°N 18.793°E

active floodplain Type:

River kilometre: 1444 - 1425

Floodplain 18.6 km length:

Floodplain area:

48.2 km<sup>2</sup>

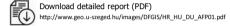
 $HQ_{100}$ : 8312 m<sup>3</sup>/s

# Boundary of active floodplain with Restoration demand

9 km

#### **FEM PARAMETER:**

Minimum Parameter Set:

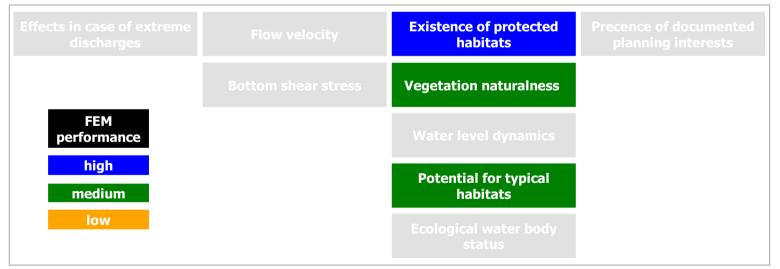




Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HR\_HU\_DU\_AFP.zip

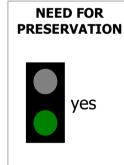
#### **Hydrology Hydraulics Ecology Socio-Economics** Connectivity of floodplain **Potentially affected Peak reduction** Water level change water bodies **buildings Existence of protected** Flood wave translation Land use species

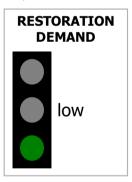
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

# HR\_RS\_DU\_AFP01 Kopački rit/Gornje Podunavlje

Danube

\*

Country: Serbia / Croatia

Centroid: 45.614°N 18.905°E

Type:

River kilometre: **1425 - 1354.2** 

Floodplain length:

**70.1 km** 

Floodplain area: 279.9 km<sup>2</sup>

active floodplain

 $HQ_{100}$ : **8614 m³/s** 

# The state of the s

Boundary of active floodplain with Restoration demand

20 km

#### **FEM PARAMETER:**

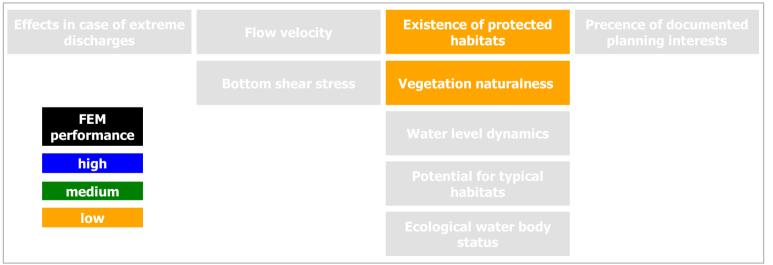
Minimum Parameter Set:

Download detailed report (PDF)
http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP01.pdf

Download floodplain object (ESRI Shape)
http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP.zip

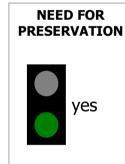
# HydrologyHydraulicsEcologySocio-EconomicsPeak reductionWater level changeConnectivity of floodplain water bodiesPotentially affected buildingsFlood wave translationExistence of protected speciesLand use

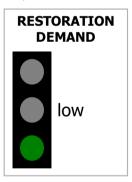
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

# HR RS\_DU\_AFP02 Borovo/Vajska

#### Danube



Country: Serbia / Croatia

Centroid: 45.41°N 18.999°E

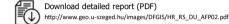
Type:

active floodplain River kilometre: 1349.8 - 1334

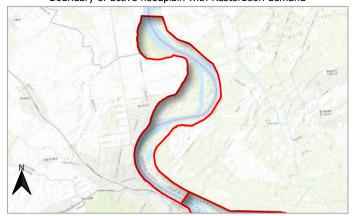
Floodplain 16.2 km length:

Floodplain 19.6 km<sup>2</sup> area:

HQ<sub>100</sub>: **8443 m³/s** 



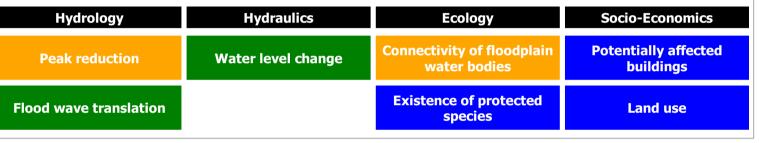
Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP.zip Boundary of active floodplain with Restoration demand



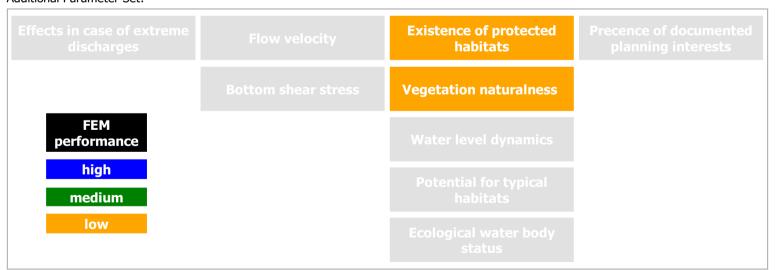
6 km

#### **FEM PARAMETER:**





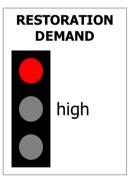
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

# HR RS\_DU\_AFP03 Vukovar/Bačko Novo Selo

#### Danube



Country: Serbia / Croatia

Centroid: 45.323°N 19.084°E

Type:

active floodplain

River kilometre: 1334 - 1318

Floodplain length:

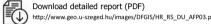
16.8 km

Floodplain area:

24.6 km<sup>2</sup>  $HQ_{100}$ : 8433 m<sup>3</sup>/s

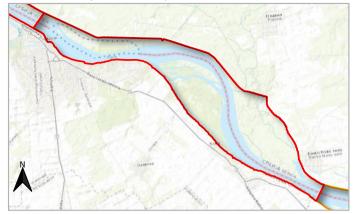
#### **FEM PARAMETER:**

Minimum Parameter Set:

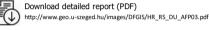


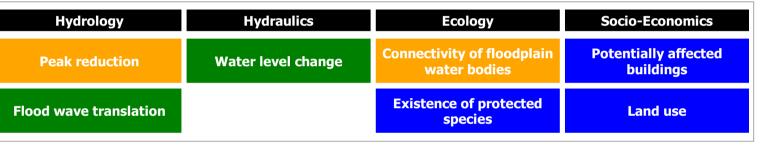


Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP.zip Boundary of active floodplain with Restoration demand

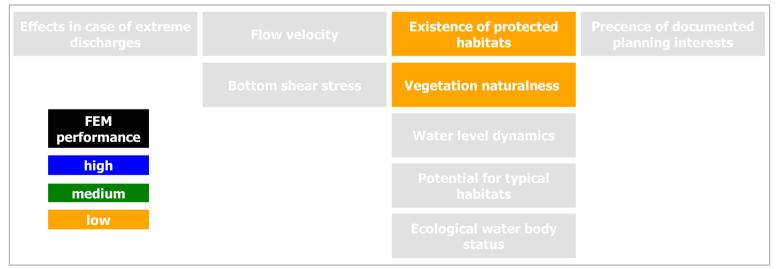


4.9 km





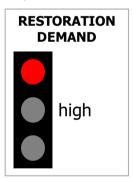
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

# HR\_RS\_DU\_AFP04 Mohovo/Karađorđevo

#### Danube



Country: Serbia / Croatia

Centroid: 45.268°N 19.226°E

Download floodplain object (ESRI Shape)

http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP.zip

Type:

River kilometre: **1318 - 1308.4** 

Floodplain length:

9.3 km

Floodplain area: 30 km<sup>2</sup>

 $HQ_{100}$ : 8420 m<sup>3</sup>/s

Epirio Holio Cerio
Backo Novo sein

1/5 n

Boundary of active floodplain with Restoration demand

3.9 km

#### **FEM PARAMETER:**

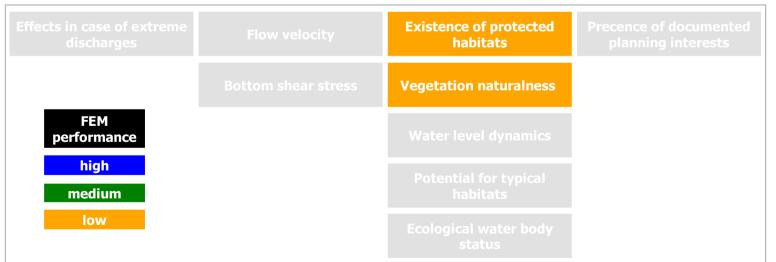
Minimum Parameter Set:

Download detailed report (PDF)
http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP04.pdf

active floodplain

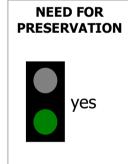
# Hydrology Hydraulics Ecology Socio-Economics Peak reduction Water level change Connectivity of floodplain water bodies Potentially affected buildings Existence of protected species Land use

#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**

# HR RS\_DU\_AFP05 Ilok/Bačka Palanka

#### Danube



Country: Serbia / Croatia

Centroid: 45.235°N 19.485°E

Type:

active floodplain River kilometre: 1303.8 - 1275.8

Floodplain length:

27.2 km

Floodplain 49.2 km<sup>2</sup> area:

 $HQ_{100}$ : 8406 m<sup>3</sup>/s

Boundary of active floodplain with Restoration demand

#### **FEM PARAMETER:**

Minimum Parameter Set:

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP05.pdf

Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/HR\_RS\_DU\_AFP.zip

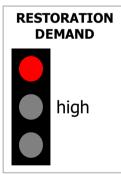
**FEM-EVALUATION:** 

based on minimum parameters

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

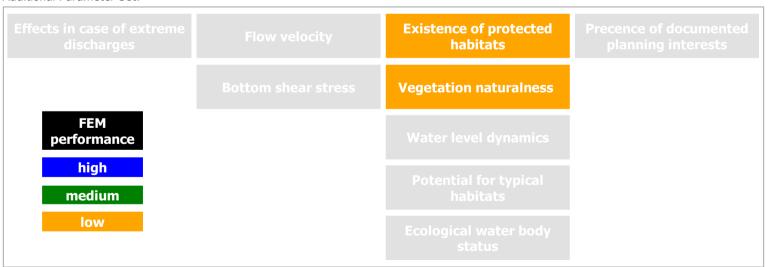






8 km

#### Additional Parameter Set:





#### **Danube Floodplain**

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

Interre **Danube Transnational Programme** Danube Floodplain

# RS\_DU\_AFP01 Danube

16.8 km

## Futog-Beočin

#### Boundary of active floodplain with Restoration demand



active floodplain Type:

> Floodplain 34.8 km<sup>2</sup>

area:

River kilometre: 1275.8 - 1258.2

HQ<sub>100</sub>: **8367 m³/s** 

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



**FEM PARAMETER:** 

Minimum Parameter Set:

Floodplain

length:

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/RS\_DU\_AFP01.pdf

**Hydrology Hydraulics Ecology** Connectivity of floodplain Water level change **Peak reduction** 

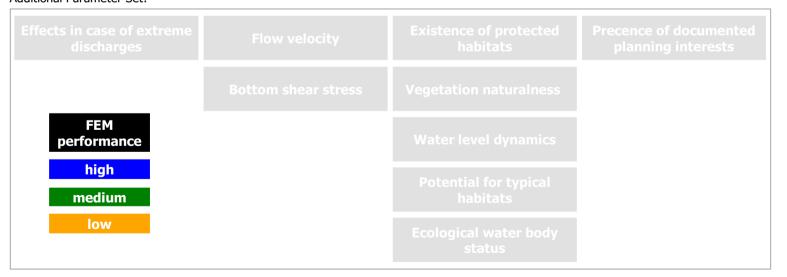
**Existence of protected** species

**Potentially affected** buildings

**Socio-Economics** 

#### water bodies Flood wave translation Land use

#### Additional Parameter Set:



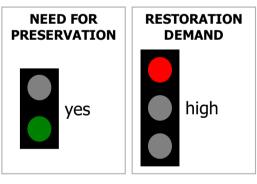
#### **Danube Floodplain**

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

#### **FEM-EVALUATION:**

based on minimum parameters

6 km



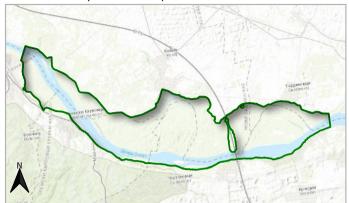




# **RS\_DU\_AFP02**Danube

## Koviljsko-petrovaradinski rit

Boundary of active floodplain with Restoration demand



\*

Country: Serbia

Centroid: 45.195°N 20.028°E

Type:

River kilometre: 1250.7 - 1224.8

Floodplain length:

25.2 km

Floodplain area: 74.8 km<sup>2</sup>

active floodplain

 $HQ_{100}$ : 8338 m<sup>3</sup>/s

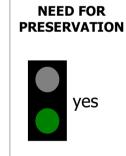
**FEM PARAMETER:**Minimum Parameter Set:

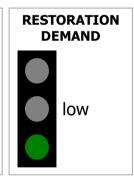
Download detailed report (PDF)
http://www.geo.u-szeged.hu/images/DFGIS/RS\_DU\_AFP02.pdf

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

8 km

**FEM-EVALUATION:** based on minimum parameters



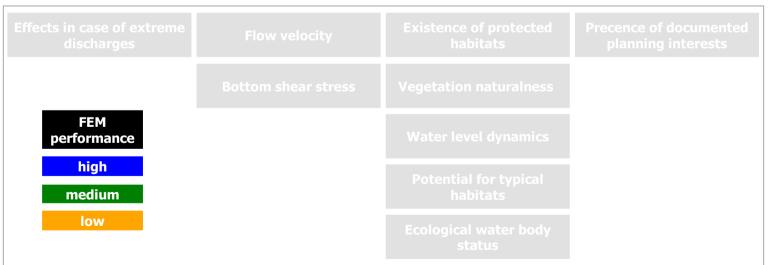






# Hydrology Hydraulics Ecology Socio-Economics Peak reduction Water level change Connectivity of floodplain water bodies Potentially affected buildings Existence of protected species Land use

#### Additional Parameter Set:



#### **Danube Floodplain**

# RS\_DU\_AFP03 Danube

#### Novi Banovci

active floodplain

Boundary of active floodplain with Restoration demand



Country: Serbia

area:

Centroid: 44.928°N 20.333°E

Type:

River kilometre: 1195.5 - 1176.8

Floodplain length:

17.3 km

Floodplain

27.7 km<sup>2</sup>

 $HQ_{100}$ : **11265 m³/s** 

Download floodplain object (ESRI Shape)

#### **FEM PARAMETER:**

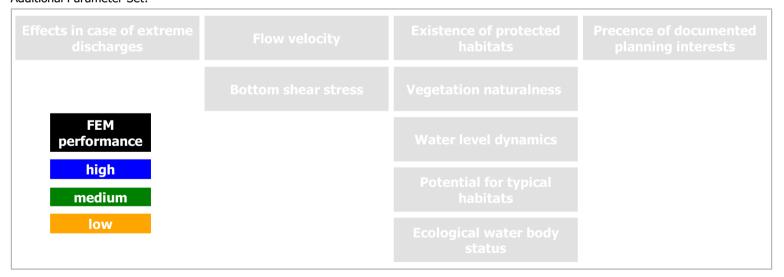
Minimum Parameter Set:

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/RS\_DU\_AFP03.pdf

http://www.geo.u-szeged.hu/images/DFGIS/RS\_DU\_AFP.zip

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

#### Additional Parameter Set:



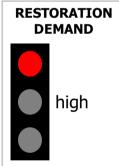
#### **Danube Floodplain**

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

#### **FEM-EVALUATION:**

based on minimum parameters





8 km





# RS\_DU\_AFP04 Danube

#### Beograd

#### Boundary of active floodplain with Restoration demand



Country: Serbia

Centroid: 44.844°N 20.436°E

active floodplain Type:

River kilometre: 1176.8 - 1166.5

Floodplain length:

10.4 km

Floodplain 18.4 km<sup>2</sup> area:

HQ<sub>100</sub>: **15261 m³/s** 

#### **FEM PARAMETER:**

Download detailed report (PDF) http://www.geo.u-szeged.hu/images/DFGIS/RS\_DU\_AFP04.pdf



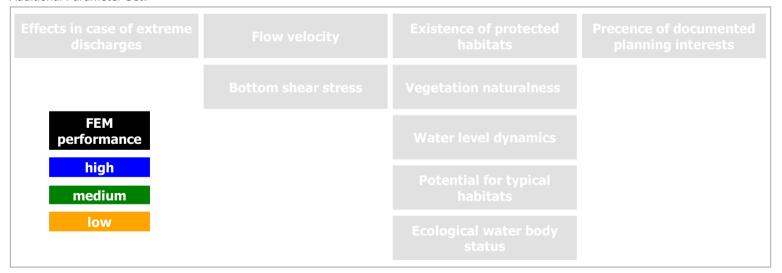
Download floodplain object (ESRI Shape) http://www.geo.u-szeged.hu/images/DFGIS/RS\_DU\_AFP.zip

3.7 km

Minimum Parameter Set:

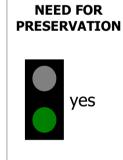
#### **Hydraulics Hydrology Ecology Socio-Economics** Connectivity of floodplain **Potentially affected Peak reduction** Water level change water bodies **buildings Existence of protected** Flood wave translation Land use species

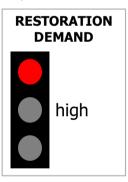
#### Additional Parameter Set:



#### **FEM-EVALUATION:**

based on minimum parameters









#### **Danube Floodplain**