RESTORATION OF FLOODPLAIN HABITATS ON THE SK/ HU SECTION OF THE DANUBE



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Side-arms and floodplains along large rivers LIFE+ project closing conference 18-19 November 2013, Mohács, Hungary



 Vodohospodárska výstavba













Conservation of Endangered Bird Species Populations in Natural Habitats of the Danube Inland Delta (LIFE07 NAT/SK/000707)

- Coordinating beneficiary:
- Regional Association for Nature Conservation and Sustainable Development
- (BROZ), SK
- Associated beneficiaries:
- Water management construction, state enterprise (VVB), SK
- Comenius University in Bratislava, Faculty of Natural Sciences (PriF UK), SK
- Az Észak-dunántúli Vízügyi Igazgatóság (EDUVIZIG), HU
- Szigetközi Természetvédelmi Egyesület (SZITE), HU
- Duration:
- 01/01/2009 30/06/2014







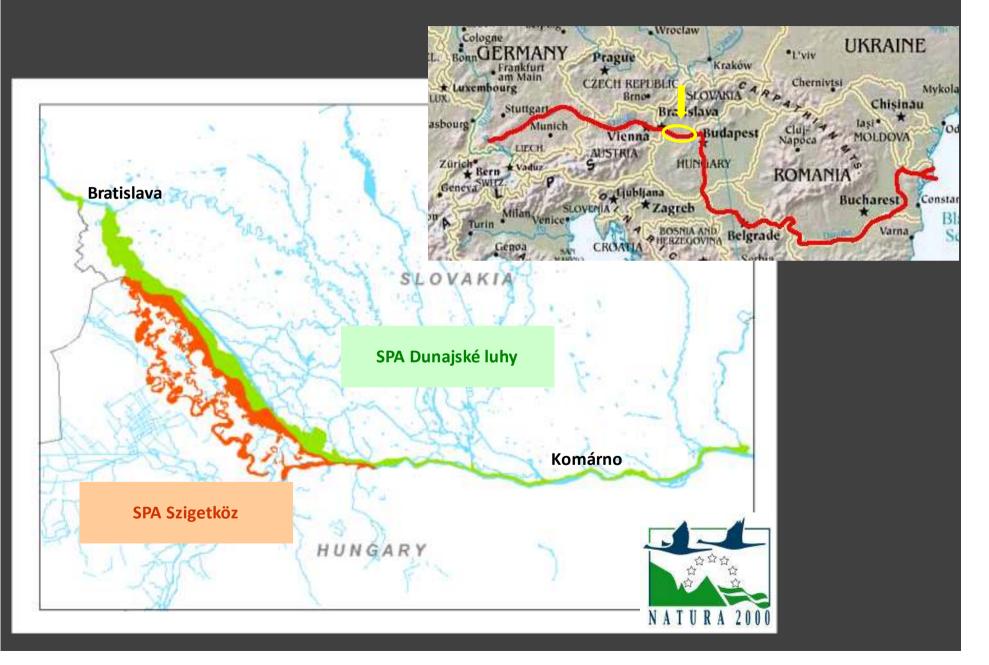












TARGET BIRD SPECIES



Purple Heron Little Egret Little Bittern Night Heron Black Stork Garganey Gadwall Marsh Harrier Black Kite Redshank Common Tern White-tailed Eagle Kingfisher Black Woodpecker Sand Martin







PROJECT RESTORATION ACTIONS



Restoration of Istragov marsh (SK) Restoration of branch systems, wetlands (SK, HU) Restoration of lowland meadows (SK, HU) Planting of native tree species (SK) Restoration of steep river banks (SK)



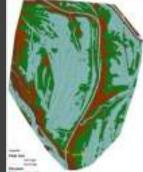




Restoration of Istragov marsh



- water from seepage canal
- the length of way 6 km
- along the way two large oxbows restored
 - 1. Veľký háj
 - 2. Dedinský ostrov
- technical works finished 04/2012
- test of filling started 04/2012
- additional works (08/2013, 05/2014)









Restoration of Veľký háj oxbow



- mostly dry since 1992
- 2012 again with water
- the depth 1,5 2,5 m
- favourable nesting and feeding habitat restored



Restoration of Veľký háj oxbow









Rusovské rameno river branch (near Bratislava)

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- removed 3 barriers weirs
- technical documentation elaborated 06/2011
- technical works finished 03/2012



Rusovské rameno river branch (near Bratislava)



Rusovské rameno river branch (near Bratislava)



Ostrov orliaka morského Island (rkm 1823)

1707 M338 00077 - 00 17107 M338 00077 - 00 17117 - 1717 - 0000 1117 - 0000 117 - 0000 1117 - 00000 117 - 00000 1117 - 0000 1117 - 0000 117 - 00000 117	

- restoration of wetland
- construction of supply channel
- technical documentation elaborated 06/2011
- public procurement finished 07/2012
- technical works finished 07/2013



28.8.2013

Ostrov orliaka morského Island (rkm 1823)

• supply channel opened 13.7.2013



Ostrov orliaka morského Island (rkm 1823)

• supply channel opened 13.7.2013



Szárazerdei river branch (HU)

- location near rkm 1844
- overall length 1500 m











Ásvány river branch system (HU)

- rkm 1822 1817
- restored open water surface 8,9 ha

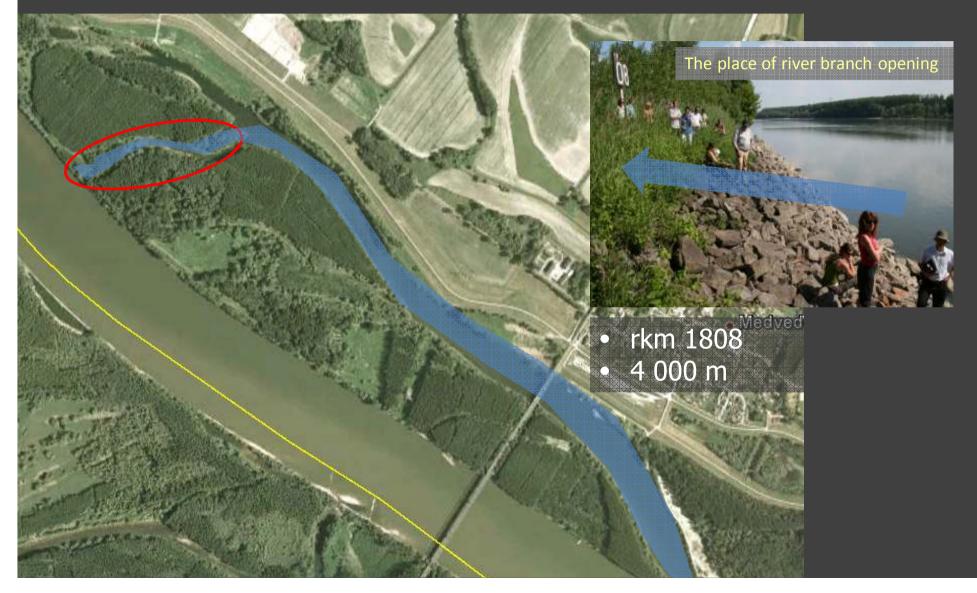




- expert study elaborated 02/2010 (VÚVH)
- technical documentation elaborated 11/2011 (SVP)
- technical works finished 12/2012









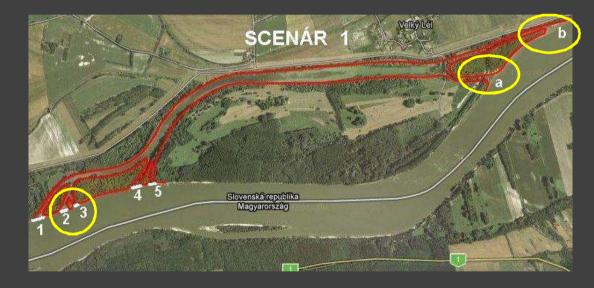






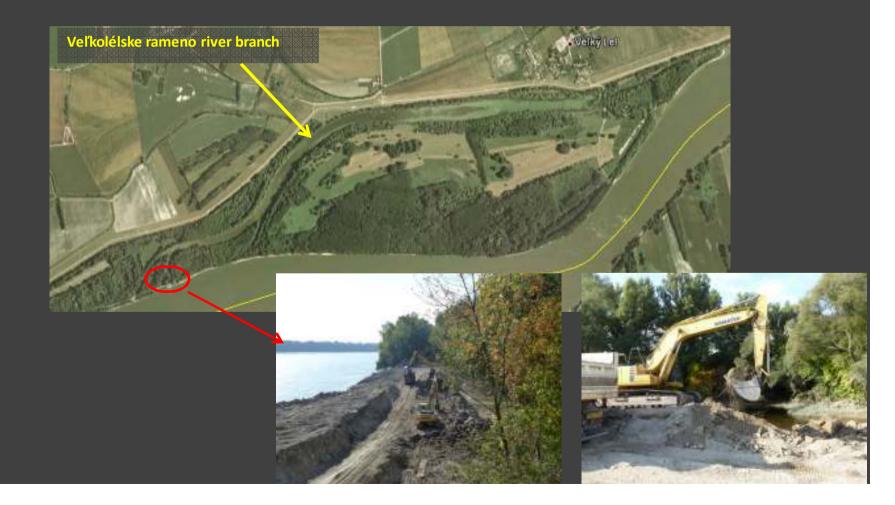


- expert study elaborated 02/2010 (VÚVH)
- technical documentation elaborated 01/2012, 06/2013



- reconnection of **inflow** and **outflow** to Danube
- inflow reconnected in arms 2, 3
- outflow reconnected in arms **a**, **b**

- inflow will open in total width of 100 m
- technical works on **inflow** started 09/2013 and will be finished **21/11/2013**





- outflow **a** will be opened in total width of 80 m
- outflow **b** will be opened in total width of 45 m



RESTORATION OF LOWLAND MEADOWS



RESTORATION OF LOWLAND MEADOW/S

- 2009 purchased 70 cows, 100 sheep and 20 goats
- 2010 purchased the herd of 8 Hucul horses



RESTORATION OF LOWLAND MEADOWS



Restored lowland meadows by:

- grazing
- combination of removing of invasive trees and grazing
- grassing of arable land by seeds of natural grasslands species

Total size of the restored lowland meadows is more than 200 ha

- Veľkolélsky ostrov Island (rkm 1783)
- large stones embankment removed on 50 m







- Chľaba (rkm 1709)
- restored 200 m of steep river bank
- in the past: nesting colony of Sand Martins









• early August 2011



• late August 2011



- May 2012 : 970 breeding pairs of Sand Martin
 1 pair of European Bee-eater
- the largest Sand Martin colony in Slovakia





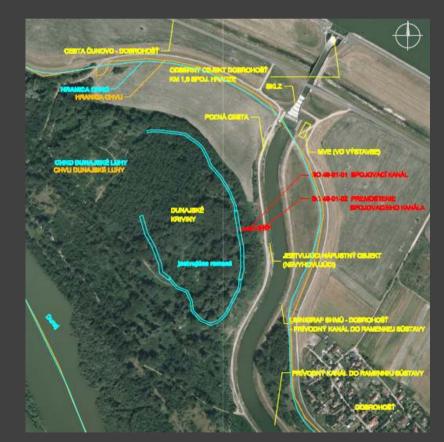
Thank you for your attention



3) Dunajské kriviny river branch system

- technical documentation elaborated 09/2010
- technical works finished 07/2013





3) Dunajské kriviny river branch system

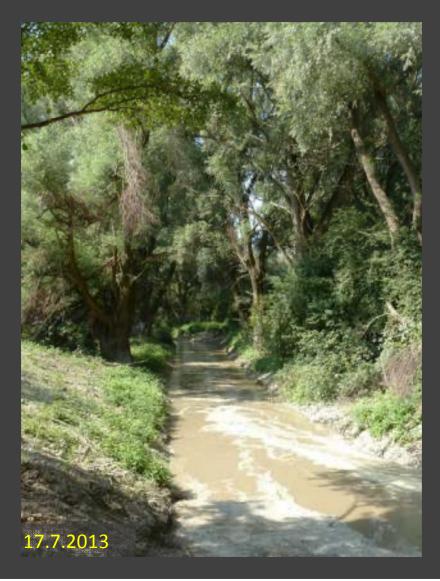








3) Dunajské kriviny river branch system









- reconstruction of weir (the way to Island)
- modification by triple-pole bridge (45 m)

