

'Conservation of priority natural values in Turjánvidék Natura 2000 site southern unit' LIFE+ Nature project (LIFE10NAT/HU/000020)

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LIFE Platform Meeting on IAS, Milano, 29-30 November, 2017.



Basic project data

- Project acronym: HUTURJAN LIFE+
- Duration: ~6,3 years (01.09.2011.-31.12.2017.)
- Total budget of project: ~2 700 000 EUR
- EU contribution: ~2 000 000 EUR = 75%
- Coordinating Beneficiary: Duna-Ipoly National Park Directorate
- Associated Beneficiaries:

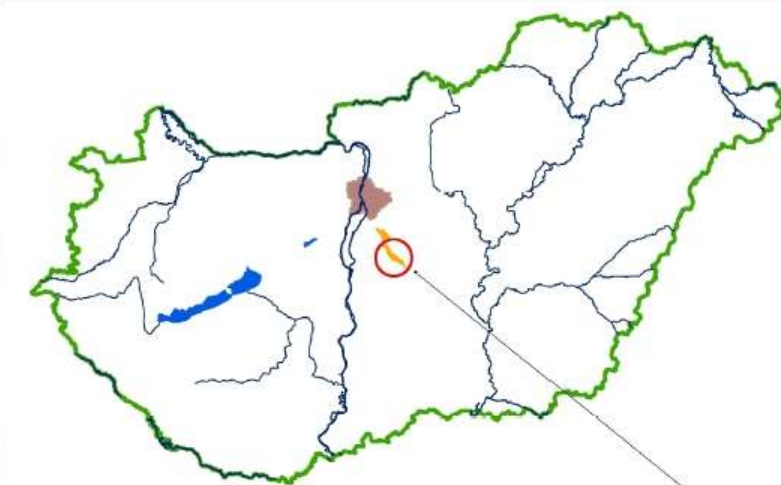
Ministry of Defence Defence Economic Bureau

Budapest Forestry Company

WWF Hungary

Project area: 7300 ha

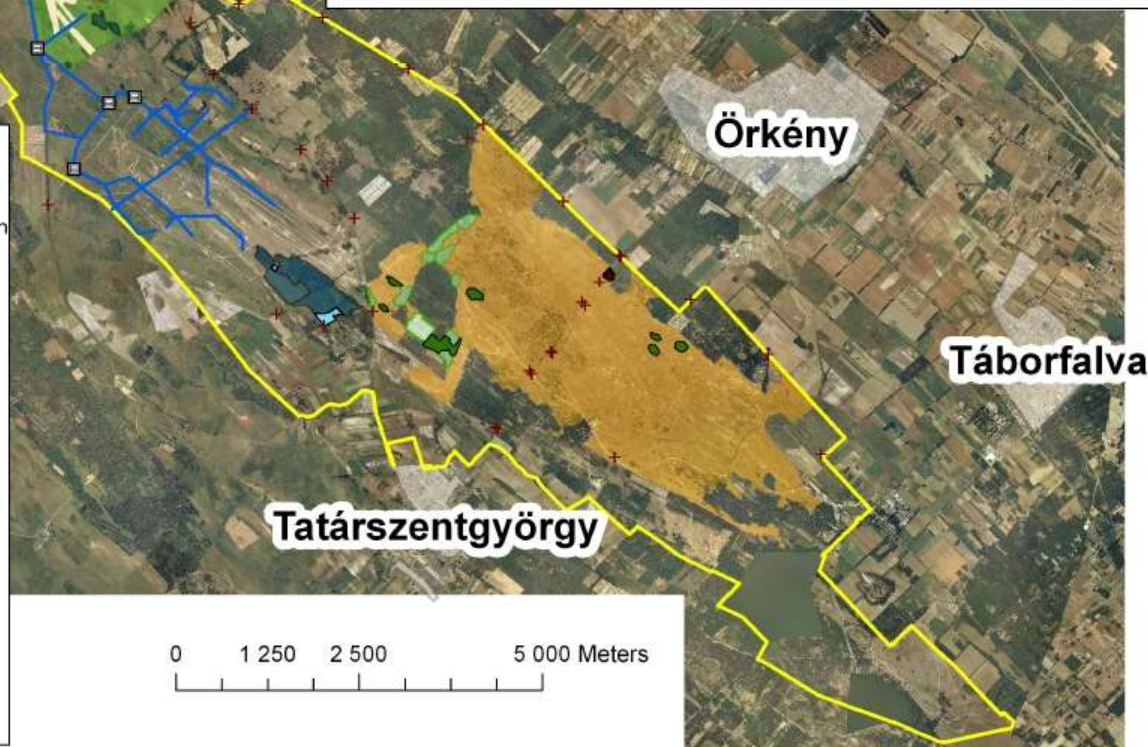
Project area and planned actions



Turjánvidék Natura 2000 site southern unit

Legend

- Dabasi Turjános Nature Conservation Area
- Turjánvidék Natura 2000 site southern unit enlarged by INMOD designation
- land purchase B1
- elimination of all invasive species C1
- forest reconstruction, complete C2
- forest reconstruction gentle reconstr. C2
- elimination of invasives from 91E0 forests, gentle reconstr. C3
- elimination of invasives and P. hyb. C3
- water management objects C4
- creating grassland from arable land C5
- grazing in order to create suitable areas for viper C5
- creating grassland from invasive forest C6
- elimination of illegal sand pit C7
- + settlement of gates C7
- canals







Adenophora liliifolia



Colchicum arenarium



Iris arenaria



Ophrys scolopax ssp. *cornuta*



Otis tarda



Circaetus gallicus



Carabus hungaricus



Vipera ursinii ssp. rakosiensis

Conservation problems

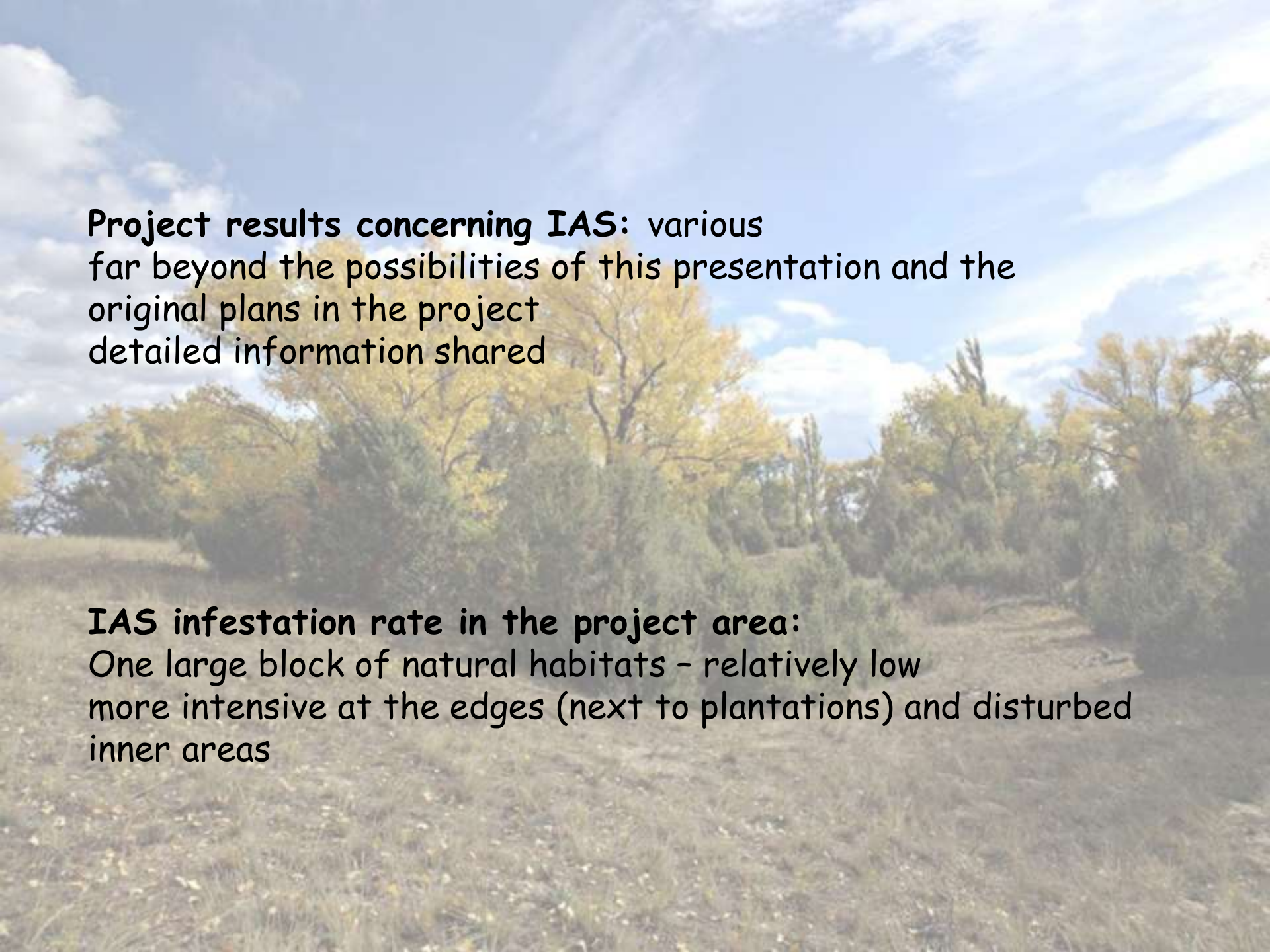
- Lack of water and water control (draining, construction of channels)
- Spread of invasive alien species (black locust, tree of heaven, common milkweed, etc.)



Conservation problems

- Land use unfavourable for nature conservation
Non-native plantations instead of grasslands or native forests
Ploughlands, intensive mowing instead of grazing
Others (enduro, illegal sandpit)
- Lack of information (military users, locals)



A landscape photograph showing a natural habitat. In the foreground, there is a field of dry, yellowish-brown grass. In the middle ground, there are several trees with green and yellow leaves, suggesting an autumn setting. The background shows more trees and a blue sky with scattered white clouds. The text is overlaid on the upper left portion of the image.

Project results concerning IAS: various
far beyond the possibilities of this presentation and the
original plans in the project
detailed information shared

IAS infestation rate in the project area:
One large block of natural habitats - relatively low
more intensive at the edges (next to plantations) and disturbed
inner areas



black locust



tree of heaven



common milkweed



Russian olive



boxelder maple



common hackberry



false indigo

Conservation management actions

Four actions are involved

Using the experiences of the former LIFE projects, e.g. HUNSTEPPICOAKS, HUNDIDI

Gentle chemical treatment

- Removal of black locust, tree of heaven, Russian olive, common milkweed from 1200 ha sand habitats
- Control of black pine and Scotch pine - mechanical treatment
- Removal of boxelder maple and common hackberry, Russian olive from 66 ha humid habitats
- Control of arboreal invasives (excl. Russian olive) (glyphosate):
 - Over 5 cm in trunk diameter: trunk injection (Aug.-Sept.)
 - Under 5 cm in trunk diameter: foliage spraying (Sept.)
- Control of common milkweed (glyphosate):
 - 1st leaf smearing (May-June)
 - 2nd-3rd leaf smearing (July-Aug.)

Post-treatments - SZI







Communication actions

- Providing information on IAS is a part of general communication
- Bilingual website
- Project brochures
- Press conferences and trips
- Nature trail programs

Practical IAS guide for laymen with control hints and alternative species to choose - under preparation



Cincér

TURJÁNVIDÉK

- az Alföld rejtett kincse



A Duna-menti Nemzeti Park Igazgatóság kiadványa 11. évfolyam 2. szám 2019. évi



Viperák Földjén

A Kárpát-medence kincseinek nyomában



In best practices of invasive management

National seminar on practical invasive plant management

- Bugyi, 2013 - two days, with field trip (Táborfalva) - common with HUSK project
- 100+ participants
- strong focus on exchanging practical know-how in certain IAS of Hungary
- presentations, posters are available on the project website:
http://turjanvidek.hu/?/hirek/ozonnoveny_szeminarium

Practical Experiences in Invasive Alien Plant Control - Rosalia Handbook (in Hungarian and in English) - from HUSK

Free download:

<https://www.dunaipoly.hu/uploads/2016-02/20160202200313-rosalia-handbook-ver2-6xtoaafsqa.pdf>

New updated edition in press in HUTURJAN - interested put down their names and addresses



'European Workshop on Control and Eradication of Invasive Alien Plant Species'

- Budapest, 2016 - three days, with field trip
- 130+ participants from 15 countries
- three main topics: policy, practice, communication
- special emphasis was put on the invitation of IAS experienced LIFE projects
- also a representative of DG. Env. was participated
- contributed to the biogeographic process of the Pannonian ecoregion as an official follow-up event
- joint recommendation document sent to the EC
- **presentations, posters are available** on the website, and even on youtube:

http://turjanvidek.hu/?/invasive_plants_workshop/results





Thanks to LIFE for the opportunity and for the flexibility.



Thank you for your attention!
www.turjanvidek.hu



Photos: Róbert Vidéki, Márton Korda, Zoltán Bajor, Annamária Csóka, Zoltán Vajda, Sándor Bérces, Gábor Kovács, József Molnár, Márton Árvay, Adrián Novák, Ármin Csapak, György Verő, Zsolt Baranyai