Nature conservation management of European Diploma sites in Hungary,

with special regards to the problem of invasive alien species

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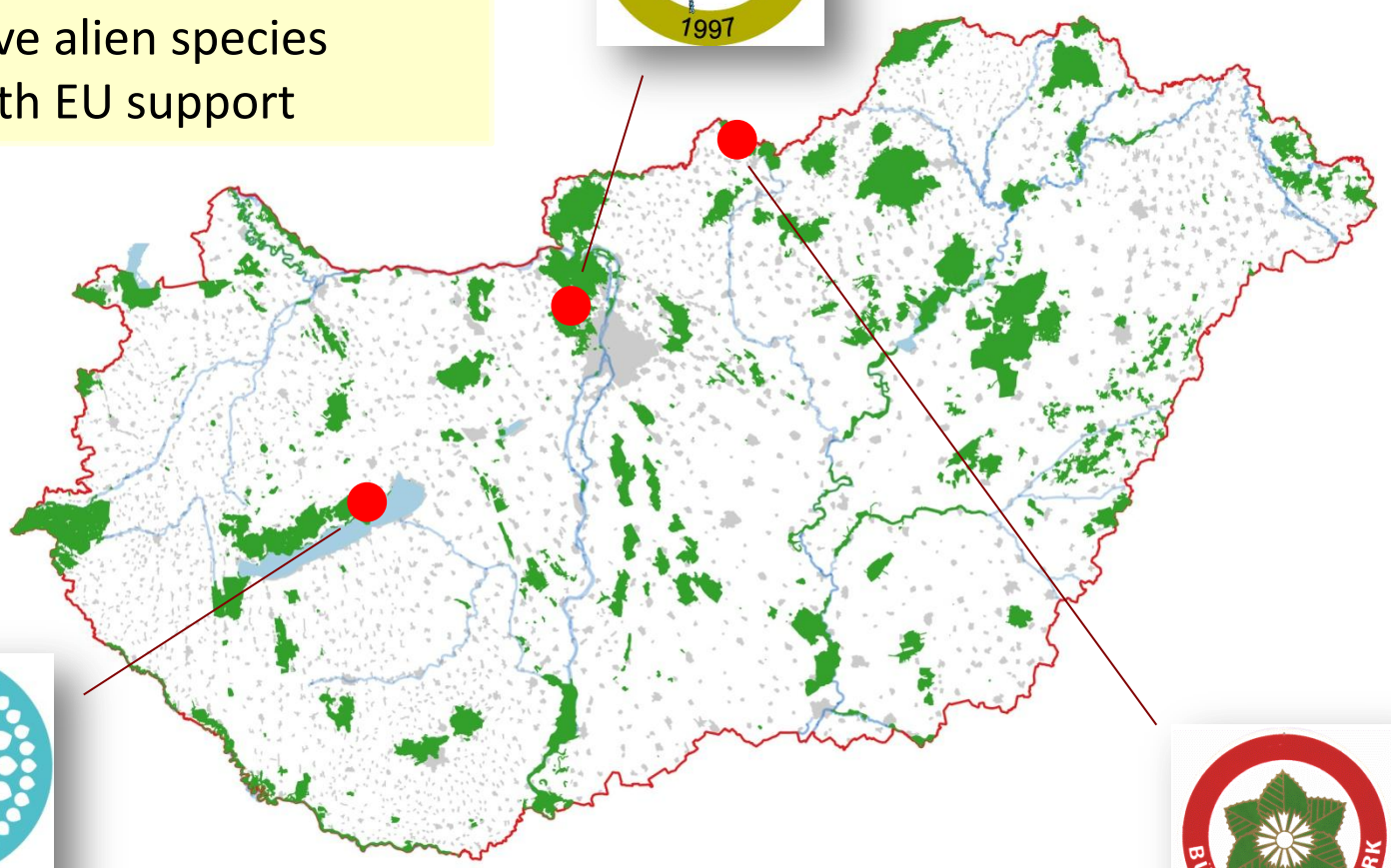
European Diploma Sites in Hungary

Tree sites - similar features:

- Long traditions in nature conservation
- Threats: great number of tourists + expansion of invasive alien species
- Developments with EU support



Szénas Hills

Tihany Peninsula

Ipolytarnóc

Volcanic phenomena of the Tihany Peninsula

Variable habitats:

- Lake Balaton
- wetland habitats of the lakes inside of the peninsula
- extremely dry and hot rock-surfaces.

Tihany Peninsula and
The Lake Balaton –
one of the most frequented
tourist
destinations in Hungary

Volcanic phenomena of the Tihany Peninsula

Variable habitats:

Varied geological and geomorphological construction

Post-volcanic thermal spring cone

Volcanic phenomena of the Tihany Peninsula

Variable habitats:

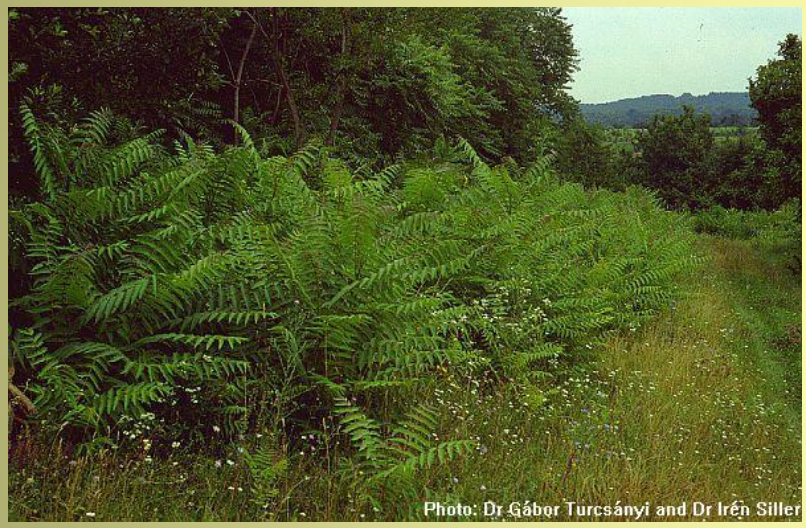
- Local Mediterranean climate – different from the regional climate
- Traditional agriculture

Grazing

Culture of lavender started 100 years ago

Volcanic phenomena of the Tihany Peninsula

Developments with EU support:
Eradication of Tree of heaven (*Ailanthus altissima*)



Mechanical eradication was not successful

Chemicals were injected into the trunk

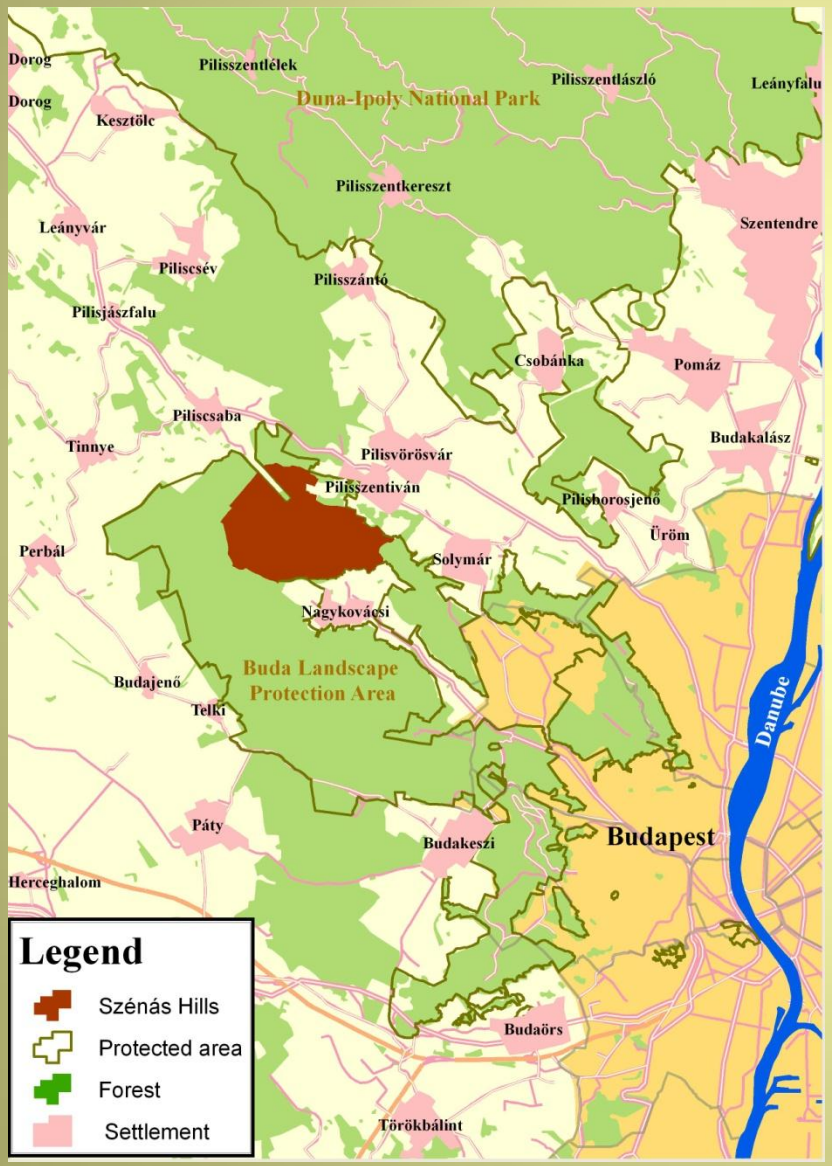
Volcanic phenomena of the Tihany Peninsula

Developments with EU support:
Eradication of Oleaster (*Eleagnus angustifolia*)

Oleaster grows well from sprouts

The area were afforestedwith indigenous poplar and willow species

Szénás Hills Protected Area



Szénás Hills can be found in the densely populated agglomeration of Budapest

Dolomite flax (Linum dolomiticum)

Szénás Hills Protected Area

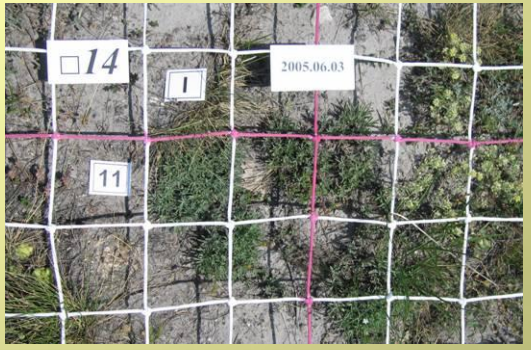
Complex conservation management

Conversion of Black pine and Black locust stands

Reduction of wild game population

Guarding

Environmental education



Research, monitoring

Szénás Hills Protected Area

Conversion of Black pine stands

Szénás Hills Protected Area

Conversion of Black pine stands

Saplings of deciduous trees appeared under the Austrian Pine woods

Black pine occupies the valuable grasslands

Szénás Hills Protected Area

Conversion of Black pine stands

Erosion blocks

Szénás Hills Protected Area

Conversion of Black pine stands

Careful methods do not harm the soil layer

Slide

Horse-driven carriage

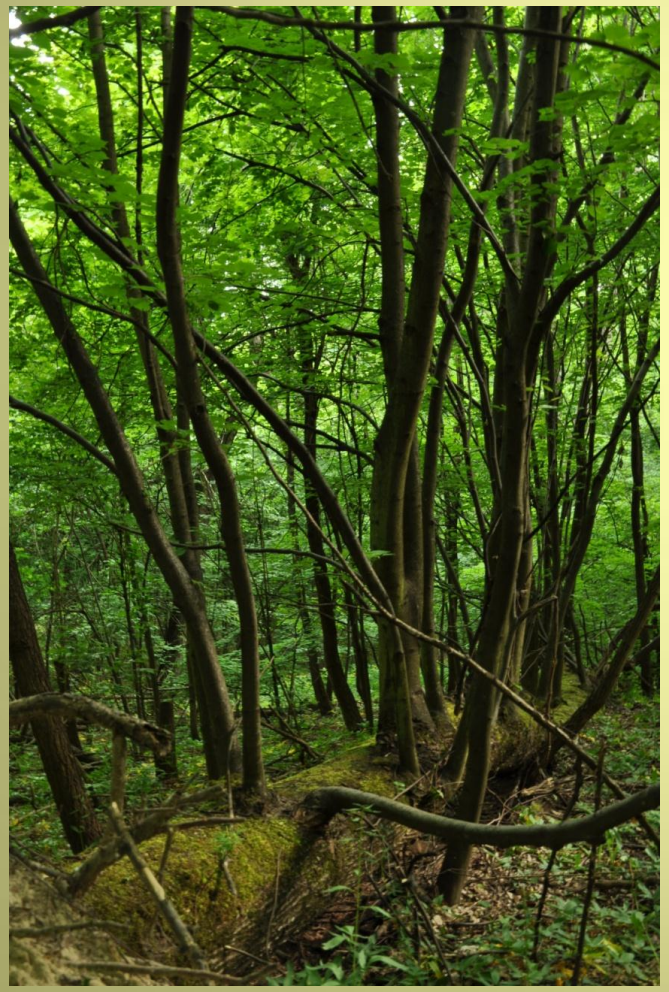
Szénás Hills Protected Area

Conversion of Black locust stands

- Robinia pseudoacacia was eradicated in around 10 ha
- Robinia sprouts were cut each year
- The handled area were afforested with quickly growing tree species
- Volunteers were involved

Szénás Hills Protected Area

Conversion of Black locust stands



Around 80 % of the forest was successfully transformed without chemicals

The intervention was less effective only on the driest patches

Ipolytarnóc
Nature Conservation Area

New visitor center

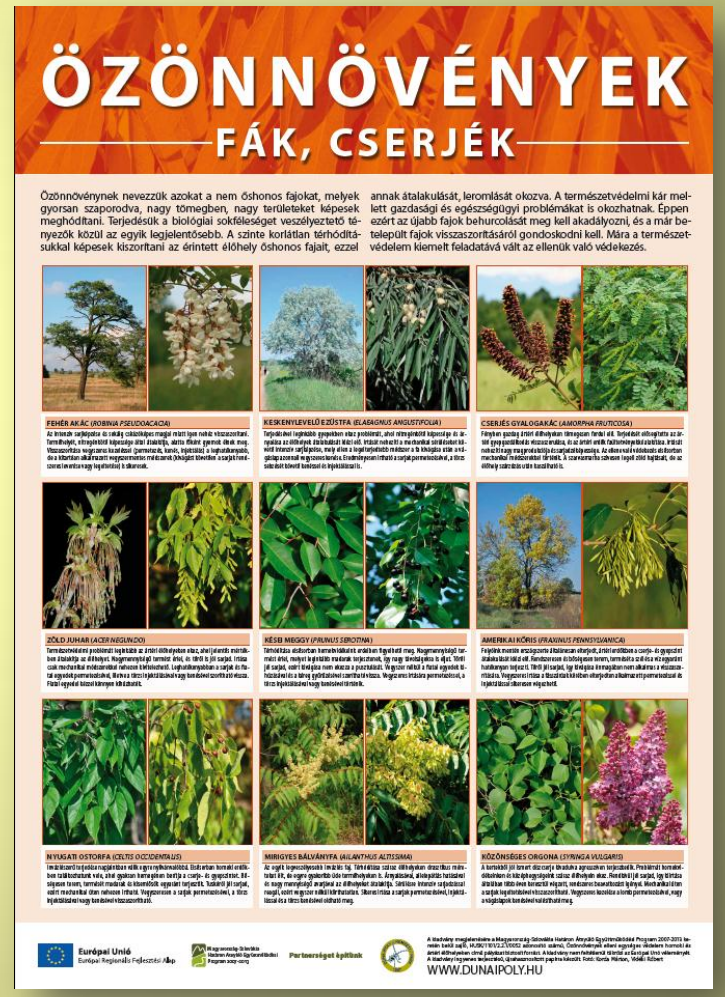
Ipolytarnóc
Nature Conservation Area

Probably
Ambrosia syriaca was
brought with hay feed

Summary

New posters about invasive plant species

Herbaceous plants



Trees and schrubs

Summary

New volume of essays and studies about invasive plant species