



Best practice examples of the conservation of traditional breeds in protected areas in Croatia with legislation overview

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Institutional structure

State Institute for Nature Protection

- public institution set up by the Decree of the Croatian Government in 2002
- public service for expertise work in nature protection in Croatia
- cooperates with ministries, government institutions, public institutions, NGOs and other relevant bodies

Department for Nature Protection

Ministry of Culture



Legislation

- **The Convention on Biological Diversity – the Rio Earth Summit 1992**, The Republic of Croatia became a party to the Convention on 1997
- **Nature Protection Act** (2003, 2005, revised 2008)
- **National Strategy and Action Plan for the Protection of Biological and Landscape Diversity - NSAP** (2000, revised 2008)



Nature Protection Act

- ***domesticated species*** means a species whose evolution process has been controlled by man for the purpose of meeting his proper needs
- ***indigenous species*** means a species naturally inhabiting a specific ecosystem of an area



Nature Protection Act

Protected natural assets under this Act are:

1. protected areas

2. protected taxa:

- strictly protected wild taxon,
- protected wild taxon,
- *protected indigenous domesticated taxon*



Nature Protection Act

The designation of a ***protected indigenous domesticated taxon*** shall be granted to the ***endangered inherited plant variety and/or animal breed*** developed as a result of traditional breeding and shall constitute an integral part of Croatian natural heritage.





National Strategy and Action Plan for the Protection of Biological and Landscape Diversity - NSAP

Strategic objective – protect and enhance the existing genetic diversity of domesticated taxa by all suitable conservation methods (*in situ*, *ex situ*, *inter situ*)

Strategic guidelines

- to ensure the conservation of critically endangered domesticated taxa
- to improve support for breeding and use of the domesticated taxa
- to enhance use of domesticated taxa for preservation of the endangered habitats



National Strategy and Action Plan for the Protection of Biological and Landscape Diversity - NSAP

Action plans

- to develop and implement conservation programmes for critically endangered domesticated taxa
- to develop the programme of activities for use of domesticated taxa for preservation of endangered habitats in the frame of agro-environmental programme
- to enhance *in situ* keeping and breeding of domesticated taxa for maintenance of endangered habitats



National Strategy and Action Plan for the Protection of Biological and Landscape Diversity - NSAP

Strategic objective – conserve the components of biodiversity outside the natural habitats

Strategic guideline – implementation of the *ex situ* conservation method for most endangered domesticated and endemic taxa

Action plans

- to develop the *ex situ* conservation programme
- to establish the gene bank

Conference on Native Breeds and Varieties as part of Natural and Cultural Heritage Šibenik, Croatia 13 – 16 November 2007

- 74 lectures performed by Croatian scientists and experts
- 24 lectures performed by foreigner scientists and experts
- 28 poster in poster section
- 200 participants from 20 Countries



Conference on Native Breeds and Varieties as part of Natural and Cultural Heritage Šibenik, Croatia 13 – 16 November 2007

Conclusions

- protection and conservation of the domesticated taxa genetic resources is necessity and high interest of Croatia
- to undertake inventory and determination of all domesticated taxa



Conference on Native Breeds and Varieties as part of Natural and Cultural Heritage Šibenik, Croatia 13 – 16 November 2007

Conclusions

- to establish the National Committee under the Government competence for enforcement of conservation programmes
- to create National conservation programme for domesticated taxa
- to provide human and financial resources for sustainable and long term enforcement of National programme



List of autochthonous breeds

Species	Breeds	Status
cattle	Slavonian Syrmian podolian cattle	critically endangered
	Istrian cattle	high endangered
	"Busha" cattle	critically endangered
horse	Croatian Posavac	pot. endangered
	Croatian cold blood horse	pot. endangered
	Međimurje horse	critically endangered
	Lipizzaner	endangered
donkey	Istrian donkey	critically endangered
	Littoral Dinaric donkey	high endangered
	North Adriatic donkey	critically endangered
sheep	Tzigai sheep	pot. endangered
	Cres island sheep	not endangered
	Dalmatian "pramenka"	not endangered
	Ruda (Dubrovnik) sheep	high endangered
	Istrian sheep	not endangered
	Krk island sheep	not endangered
	Lika "pramenka" sheep	not endangered
	Pag island sheep	not endangered
	Rab island sheep	not endangered
goat	Croatian spotted goat	not endangered
	Croatian white goat	high endangered
pig	Black Slavonian pig	high endangered
	Turopolje pig	critically endangered
poultry	Zagorje turkey	high endangered
	Croatian hen	high endangered
honeybee	Carniolan bee (<i>Apis mellifera carnica</i>)	not endangered

Review of activities

Turopoljski lug

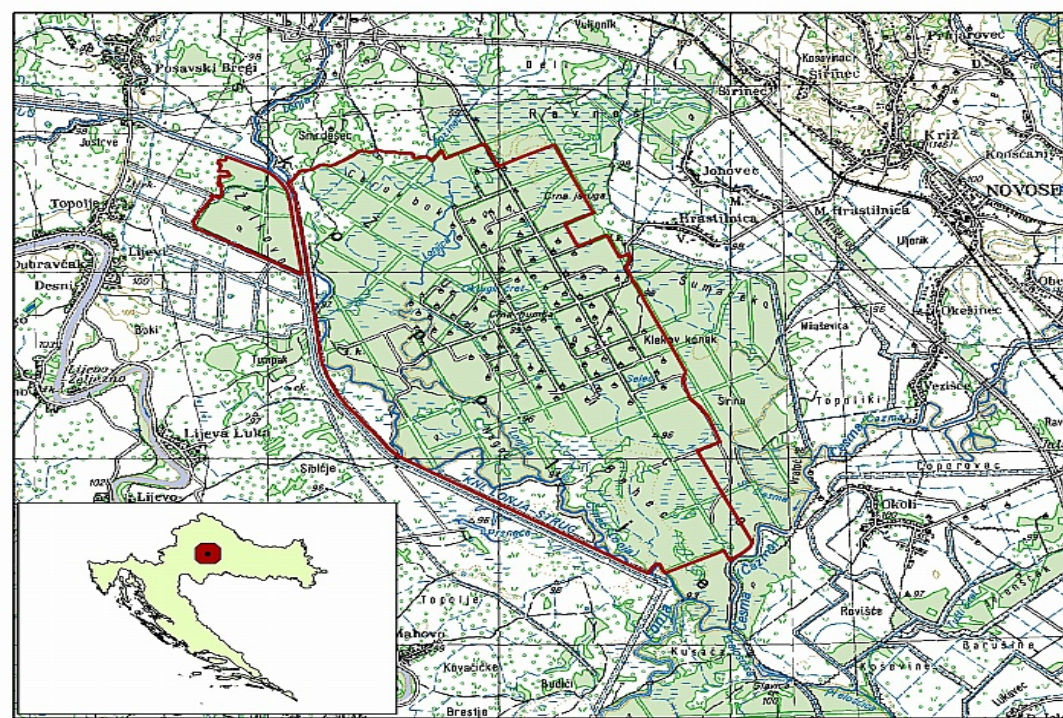


Odransko polje



Review of activities

Žutica



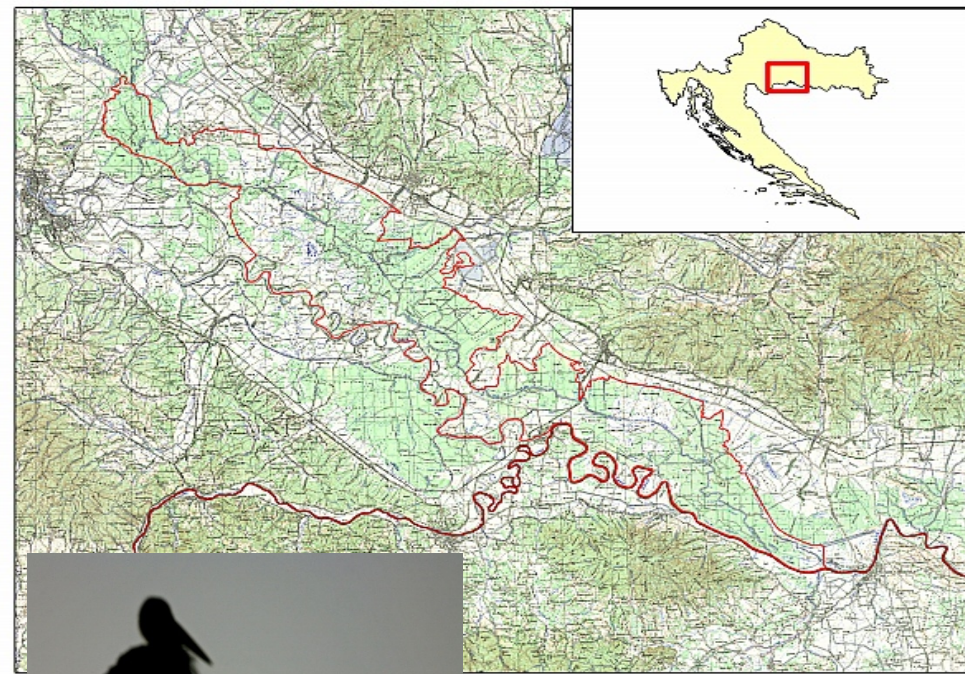
Fritillaria meleagris – Chequered fritillary



Castor fiber - Beaver

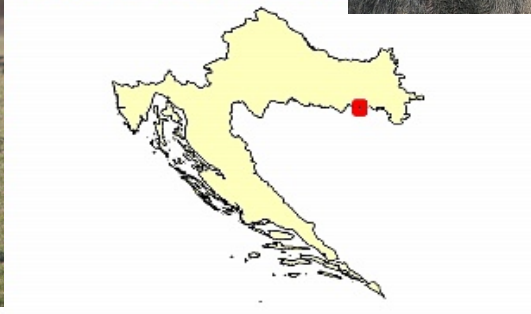
Review of activities

Nature Park Lonjsko polje



Review of activities

Gajna



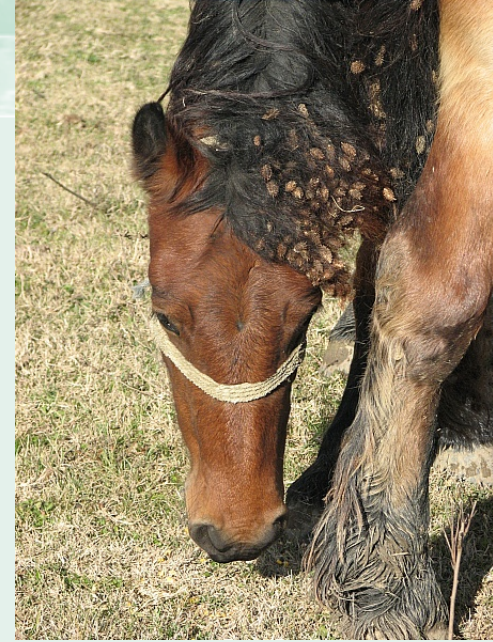


Amorpha fruticosa- Amorpha

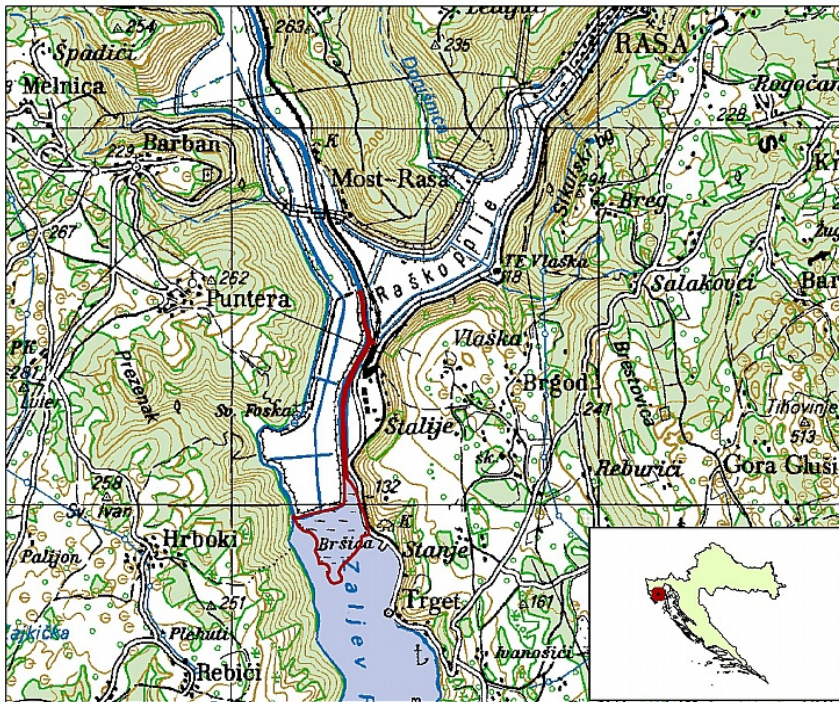


Review of activities

Gajna



Review of activities

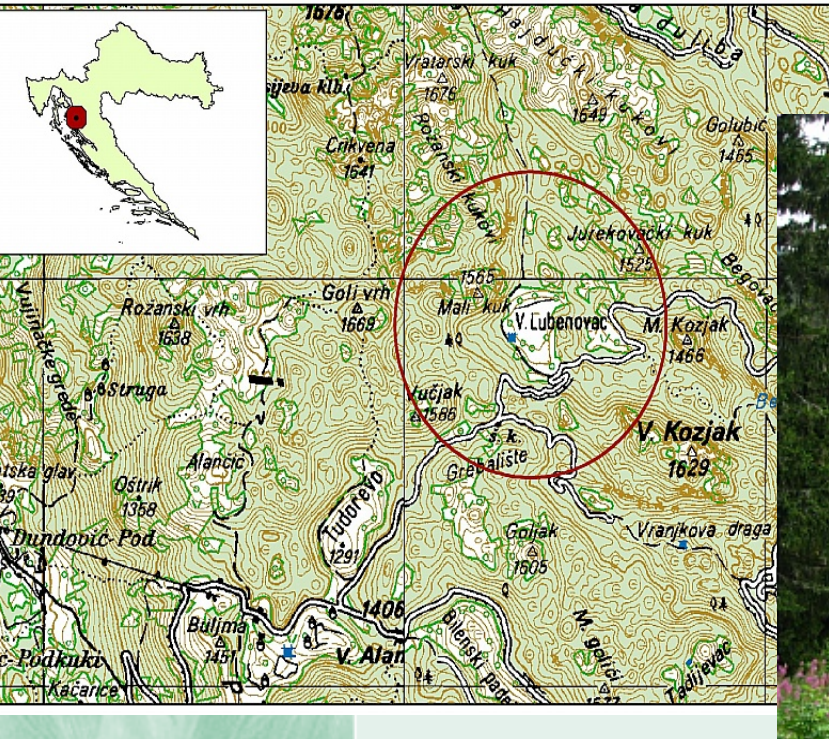


Raško polje, Istra



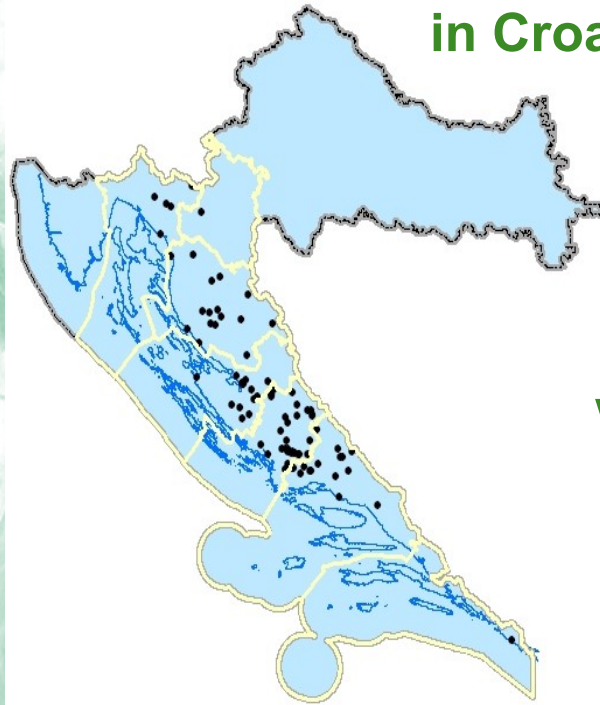
Review of activities

Velebit mountain - Lubenovac



Review of activities

Project LIFE III “Conservation and management of wolves
in Croatia” (2002 – 2005)



www.life-vuk.hr



Tornjak dog





Activities

- **LIFE III Project “Protection of Biodiversity of the Sava River Basin Floodplains” - www.savariver.com**
- **National Project “Dalmatinska tuka – phenotype characteristics and ecological areal determinants” – Faculty of Veterinary Medicine and Ministry of Agriculture, Fishery and Rural Development**



Planned Activities

- **Red list of endangered domesticated taxa with associated habitats**
- **Red book of endangered domesticated taxa**
- **Action Plan for Turopolje pig**
- **Action Plan for Buša cattle**

Thank you for your attention!



www.dzzp.hr