

# How do Management Plans work in the Czech Republic?

Jana Zmeškalová



Ministry of the Environment  
of the Czech Republic

Ministry of the Environment  
Vrsovicka 65, 100 10 Prague 10  
Czech Republic

[www.mzp.cz](http://www.mzp.cz)



# Species protection in CR

- more than 80 000 species
- Act No. 114/1992 Coll. and Habitats Directive and Bird Directive
- List of specially protected species in Degree No. 395/1992 Coll. – 3 categories
- 846 protected species

	<i>Total number</i>	<i>Critically endangered</i>	<i>Highly endangered</i>	<i>Endangered</i>
<b>Mammals</b>	81	12	11 <sup>1)</sup>	3
<b>Birds</b>	199 <sup>1)</sup>	35	58	30
<b>Reptiles</b>	11	6	4	1
<b>Amphibians</b>	21	6	12	1
<b>Fish&amp;Cyclostomata</b>	62	6	4	10
<b>Invertebrates</b>	~40 000	38 <sup>1)</sup>	42 <sup>1)</sup>	36 <sup>1)</sup>
<b>Vascular plants</b>	2550*	247	149	92
<b>Bryophyte</b>	860	0	0	0
<b>Lichens</b>	1 500	0	0	0
<b>Fungi</b>	5-6 000	27	13	6



# Species Protection Tools

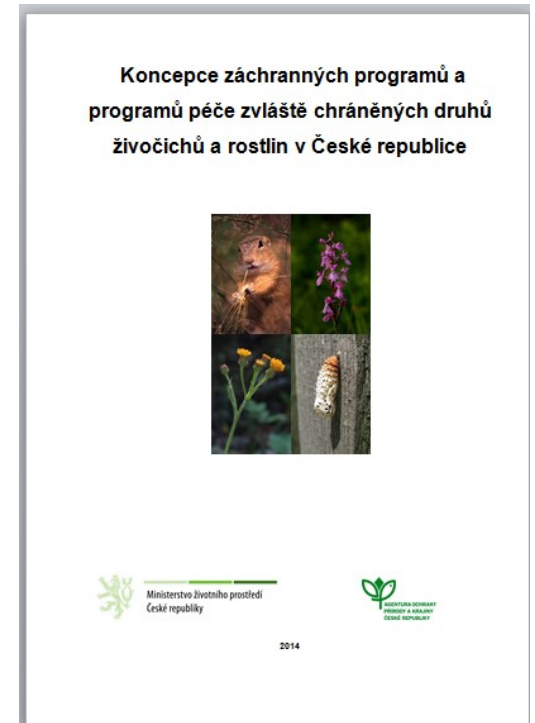
- **Action Plans** – projects based on the scientific basis comprehensively addressing the protection of the most endangered species, including direct strengthening of populations (repatriation)
- **Management Plans** (for species) – projects dealing with the conflict species – human economic interests
- **Special territorial protection** – management plans for protected areas



# Systematic approach

## Concept of action plans and management plans for specially protected species of animals and plants in the Czech Republic (MoE, NCA 2014)

- principles, competencies, criteria, obligatory content of MP/AP
- process of preparation, implementation and evaluation
- List of implemented AP/MPs
- List of species recommended for AP and MP
- List of species requiring special consideration



# Selection of species for MP

## Criteria:

- Species listed in the Decree No. 395/1992 Coll. or Annex II or IV of Habitats Directive
- Species that cause significant economic damages or their synantropic occurrence causes conflicts with human activities

## Selected species:

- Eurasian Lynx (*Lynx lynx*)
- Brown Bear (*Ursus arctos*)
- Grey Wolf (*Canis lupus*)
- Bats (*Chiroptera*)





# Process of preparation of AP/MP

- Preparation by expert team, cooperation with NCA CR
- Obligatory content of AP/MP
- 4 reviews
- Negotiation with the Ministry of Agriculture in case of game species
- Approval by the Ministry of Environment
- Coordination of MP/AP by NCA CR
- Implementation by nature conservation bodies, research institutions, NGOs, landowners, local authorities



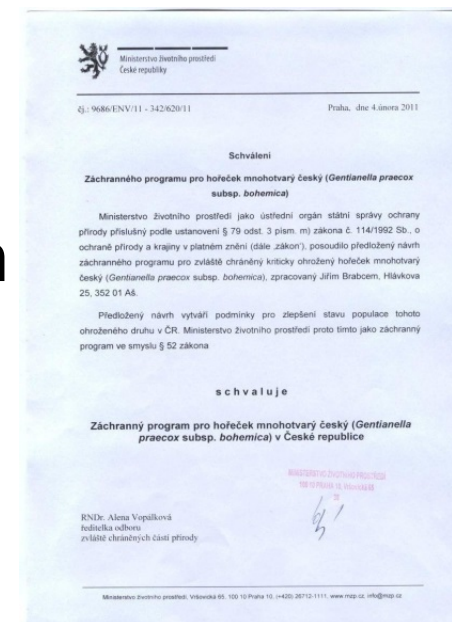
# Obligatory content of MP

- **Basic information**
- Biology and ecology of the species
- Threats, protection status, current protection measures
- **Objectives**
- **Plan of measures**
  - Habitat measures
  - Species measures
  - Monitoring
  - Research
  - Education and awareness
- **Plan of implementation**
  - Priority, date of implementation, single/repeated measures, interlinkage



# Added value of MP

- systematic and complex approach and solution for the species
- detailed long-term monitoring of population
- increase in awareness of different target groups
- research – effectiveness of measures, specific needs of the species
- development of international cooperation
- national coordinator
- better possibilities of financing (national resources, EEA grants)





# Approval of the MPs



Eurasian otter  
(*Lutra lutra*)

- Annex II and IV of Habitats Directive – threatened by poaching, road mortality
- Damages on fish in breeding ponds
- MP (2009): raising the awareness of anglers and hunters, promotion and mediation of compensations for damage, mapping of critical sites in road system, adaptation of unsuitable bridges, building of culverts



Eurasian Beaver  
(*Castor fiber*)

- Annex IV of Habitats Directive – threatened by fragmentation, loss of habitats, poaching
- Damages on trees, flooding of land (fields) and roads, disruption of dams and banks of reservoirs
- MP (2013): divides CR into 3 zones with different approach to beaver, catalogue of preventive measures, optimisation of compensation for damage, public awareness.



# And large carnivores?

Ministry of the Environment  
of the Czech Republic

Ministry of the Environment  
Vrsovicke 65, 100 10 Prague 10  
Czech Republic

[www.mzp.cz](http://www.mzp.cz)





Eurasian Lynx  
(*Lynx lynx*)



Grey Wolf  
(*Canis lupus*)



Brown Bear  
(*Ursus arctos*)

## MoE expectations of MP

- **the need to increase the acceptance:**
- minimizing economic damage
- prevention of conflicts
- raising of awareness
- **protection of habitats and migration corridors ensuring permeability**
- **poaching reduction**
- monitoring of the status of populations
- cross-border cooperation



# Czech MP for large carnivores



- one for 3 species
- draft Oct. 2016
- CULS and IVB AS CR
- Research part (genetic analysis, hybridization with a dog, feeding ecology, spatial activity and habitat analysis, impact on livestock and bees, influence of transport infrastructure and landscape fragmentation on the migration, questionnaires)



[www.planpecevelkeselmy.cz](http://www.planpecevelkeselmy.cz)





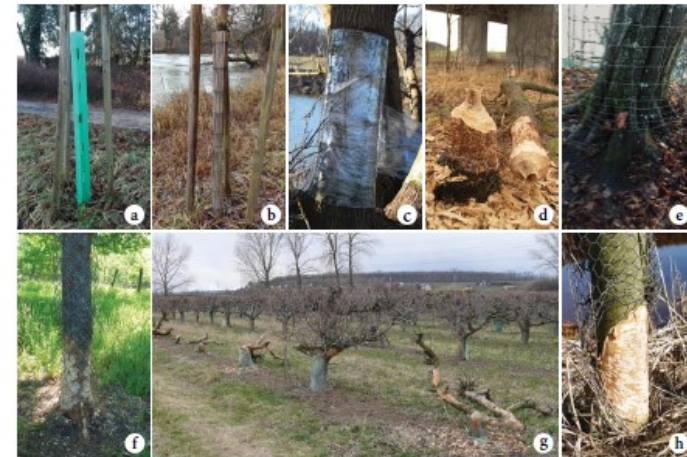
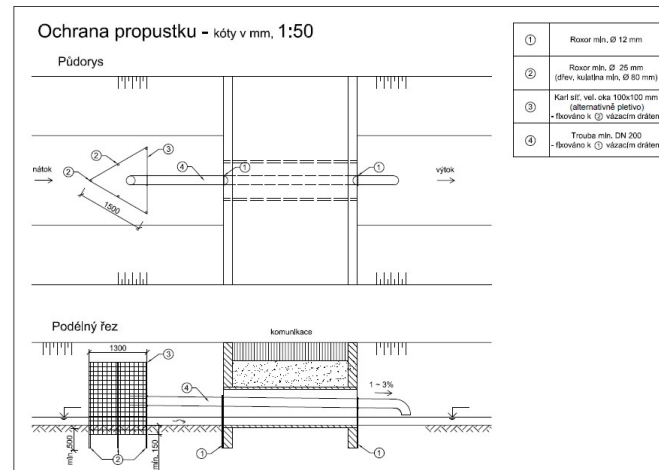
# Prevention of damages

- Sharing knowledge with other countries and within CR
- Manual with examples and details of preventive measures
- Financial support for preventive measures
- Effectiveness of implemented measures



Kapitola 3

Opatření pro předcházení a eliminaci konfliktů s bobry



# Compensation

- Optimization of Act No. 115/2000 Coll. on Compensation for Damage caused by Selected Specially Protected Animals
- 7 sp. incl. Brown Bear, Lynx and Wolf
- Change of the compensation system (payments for veterinary care, etc.)
- Regular updating of price lists





# Regulation

- only small populations of Lynx and Wolf in CR → no regulation on population level
- regulation of problematic individuals
- need to prepare system what to do if.... to know who, how, where
- solve legislation limits



# Education and awareness

- Target groups – public, hunters, breeders, bee-keepers
- Communication and cooperation with organizations focused on LC in CR, sharing knowledge (NGO, nature protection bodies, scientific institutions ... but also hunters, locals)
- Citizen science
- Education since childhood
- Active approach – seminars, excursions etc.
- Publications, videos, etc.

**Fórum**

**WEBINÁŘ – ON LINE SEMINÁŘ**  
v klidu z domova či práce diskutujte s odborníky!

**TEMA: OCHRANA VELKÝCH ŠELEM V PRAXI: MYSLIVCI, LOVCI A RYS**

**PREDNÁŠEJÍCÍ:** Tereza Hnářiková **MODERÁTOR:** Michael Hošek

**KDY / KDE:** pondělí 16. března 2015 od 17:00 do 18:00 hodin  
kdekoliv je internetové připojení

Pokud máte zájem účastnit se, přihlaste se na: [info@forumochranyprirody.cz](mailto:info@forumochranyprirody.cz) a napište, prosím, zda máte soukromý účet na Google (není nutný, případně Vám poskytneme svůj přístup).

Seminář volně navazuje na komunikační kampaň Příběhy české přírody. Podpořeno grantem z Islandu, Lichtenštejska a Norska. / Supported by grant from Iceland, Liechtenstein and Norway.

**ŠELMY.cz**

MAPA E-SHOP PODPORTE SELMY MONITORING TRANSLYNX

**Hlavní nabídka**

- RYS OSTROVID
- VLK OBEČNÝ
- MEDVĚD HNĚDÝ
- KOČKA DIVOKÁ
- CO DĚLAT PŘI SETKÁNÍ?
- VÝZNAM
- OHROŽENÍ
- POVĚRY B FAKTA
- OBRAZKY Z FOTOPASTÍ

**VLČÍ A RYSÍ HLÍDKY**

**OCHRANA**

**Ekologická výchova**

**PRO CHOVATELE OVCI**

**NABÍZÍME**

**O NÁS**

**PODPORTE NÁS**

Zajímá vás život vlků, rysů a medvědů? Chtěli byste se aktivně podílet na jejich ochraně? Pak právě pro vás je úvodní

**seminář pro nové dobrovolníky VLČÍCH A RYSÍCH HLÍDEK**

7.-8.10.2016: CHKO Kokořínsko - Mladý kraj  
21.-23.10.2016: CHKO Jizerské hory, Jeptice  
4.-6.11.2016: CHKO Šumavský národní park  
18.-20.11.2016: CHKO Jeseníky, Lovosická  
20.-22.11.2016: CHKO Ještědsko-kozářský území  
25.-27.11.2016: NP Šumava, Prácheň  
9.-11.12.2016: Přírodní památka

**PŘIHLASTE SE NA ÚVODNÍ SEMINÁŘE VLČÍCH A RYSÍCH HLÍDEK**

Než napadne nový sníh, musíme vás pořídně proškollit. Koho? Nové zájemce o Vlčí a Rysí Hlídky! Už teď se můžete hlásit na **podzimní úvodní semináře**, kde se dozvíte vše o ochraně velkých šelem včetně mapování v terénu, ještě zbývají poslední volná místa v CHKO Kokořínsko-Mladý kraj, kde je potvrzená vlčí smečka, a v Jizerských horách, kudy prošel před Vánoci rys. Pozor, vyhlášeny jsou již i termíny šumavské, beskydské a jesenické.

**Novinky**

- 17.10.2016 Krvi se dobrá v povolený lov vel zvyšuje riziko p
- 29.9.2016 Z historie návra ostrovida na Šu
- 24.9.2016 Na slávných roč miliony zvířat
- 23.9.2016 Vlčí a Rysí hlídka rozšiřující letos uskuteční osm c školení po celé i
- 22.9.2016 Vlčí ráj to na p

Archiv: 2016-20 2013-2012-2011 2008-2007-2006 2003-2002



# And is it enough?

Ministry of the Environment  
of the Czech Republic

Ministry of the Environment  
Vrsovicka 65, 100 10 Prague 10  
Czech Republic

[www.mzp.cz](http://www.mzp.cz)



**And is it enough?**  
**No,**  
**population level approach is essential.**



**Thank You  
for attention**



Tel: +420 267 122 640

Email: [jana.zmeskalova@mzp.cz](mailto:jana.zmeskalova@mzp.cz)

Ministry of the Environment  
of the Czech Republic

Ministry of the Environment  
Vrsovicka 65, 100 10 Prague 10  
Czech Republic

[www.mzp.cz](http://www.mzp.cz)



# How to move towards the Carpathian management approach?

Ministry of the Environment  
of the Czech Republic

Ministry of the Environment  
Vrsovicka 65, 100 10 Prague 10  
Czech Republic

[www.mzp.cz](http://www.mzp.cz)





## Team discussion:

- 3 main problems in species protection on national level
- main gaps in knowledge
- mistakes, experience from preparation and/or implementation of MP

## Coming together:

- Carpathian MP or another solution?
- main aim and topics
- added value to national MPs
- Who will be responsible?

