Experiences with Management of the Oak Forests in Slovakia, Especially Habitats 9110 and 9110

Ing. Jozef Dóczy, PhD.
Ministry of Agriculture and Rural Development of the Slovak Republic

Ing. Libor Ulrych, PhD.
State Nature Conservancy of Slovak Republic

Follow up event of the Natura 2000 seminar for Pannonian, Black Sea and Steppic Regions, 4-6 November 2015, Arad, Romania
Presentation overview

- Historical and legislative background
- Forest management plans - models
- Description, reporting and monitoring
- Problems and questions
- Solutions?
• 1426 King Zikmund regulation (regulation of planned harvesting in certain areas)
• 1769 Empress Maria Terezia – Terezia’s order (order of timber harvesting, order of afforestation)
  Owner had to: map his forests, describe them – timber storage, prepare management plan
• 1879 Act article XXXI from 1879 – duty of management planning in ten years periods

• Potential vegetation
• Zlatník’s school
• Forest typology

Historical Background
• Act no. 326/2005 on Forests
  Definitions – forest, forest plots, categories, forms, type of management,
  Rules of management and harvesting

• Ordinance no. 453/2006 on Management Planning

Legislative background
Forest management plan – JPRL (forest spatial distribution units)

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Forest management plan - models

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Forest management plan

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- Aceri tatarici – quercion Zólyomi 1957
- Quercetum pubescentis – roboris (Zólyomi 1957) Michalko et Džatko 1965
- Convallario – Quercetum roboris Soó 1934
- Carici fritschii – Quercetum roboris Chytrý et Horák 1997
- Festuco – Quercetum roboris Soó 1934
- Quercus robur agg. (mainly Q. pedunculiflora), Q. virgiliana, Convallaria majalis

91Io* - Euro-Siberian steppe oak woods (Ls3.2 Thermophilous pontic-pannonian oak forest on loess and sands)

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Potentillo albae – Quercion Jakucs in zólyomi 1967
Frangulo alni – Quercetum roboris-petraeae J. Michalko 1986
Quercus robur, Quercus petraea, Frangula alnus, Potentilla alba

91Io* - Euro-Siberian steppe oak woods (Ls3.3 Oak – potentilla forests)

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• Quercion petraeae
  Zólyomi et Jakucs ex Jakucs 1960
• Genisto pilosae-
  Quercetum petraeae
  Zólyomi et al. ex Soó 1963
• Quercus petraea agg.,
  Avenella flexuosa,
  Festuca ovina, Genista
  pilosa, Luzula luzuloides

91Io* - Euro-Siberian steppe oak woods
  (Ls3.5.2 Termophilious and acidophilious oak forests)

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- ALP – 32 sq. km, PAN – 10 sq. km, 35 SCIs

9110* - Euro-Siberian steppe oak woods
- Quercion confertae cerris Horvat 1954
- Quercetum petraeae-cerris Soó 1957 s. l.
- Quercus cerris, Lathyrus niger, Melica picta, Melittis melissophyllum, Lychnis coronaria

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ALP – 15 sq. km, PAN – 70 sq. km, 29 SCIs

91Mo – Pannonian-Balkanic turkey oak – sessile oak forests

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• Fragmentation
• Invasive tree species – (Ailanthus altissima, Padus serotina, Robinia pseudoacacia, Gleditsia triacanthos, Quercus rubra, Celtis occidentalis)
• Quercus or Robinia?
• Timber or other ecosystem services?
• Native afforestation versus climate changes
• Common description – harmonisation?

Problems and questions

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• Active management
• Close cooperation of forestry and nature conservancy based on mutual understanding
Thank you for your attention

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• Ing. Jozef Dóczy, PhD.
  jozef.doczy@land.gov.sk

• Ing. Libor Ulrych, PhD.
  libor.ulrych@sopsr.sk