

## Content

Importance of fen mire and floodplain meadows for conservation of globally threatened biodiversity

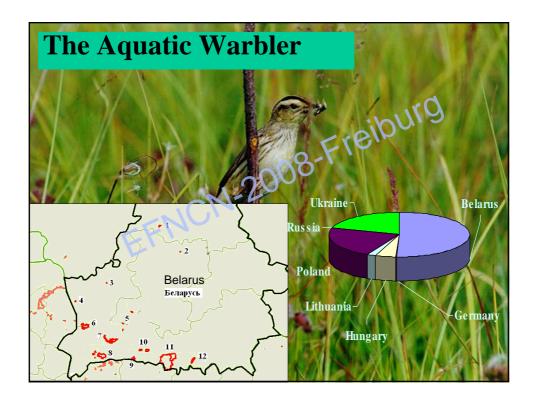
Main threats to open fen mire and floodplain meadow ecosystems

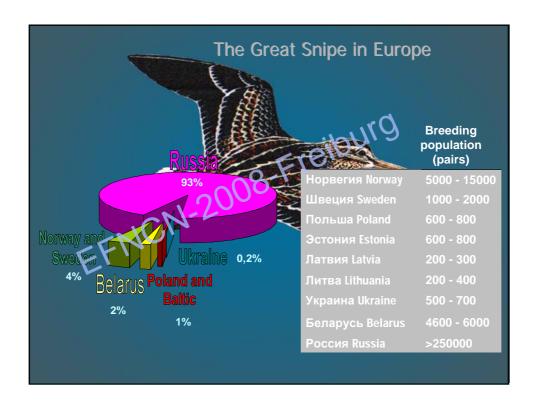
Fire as important factor for fen mire

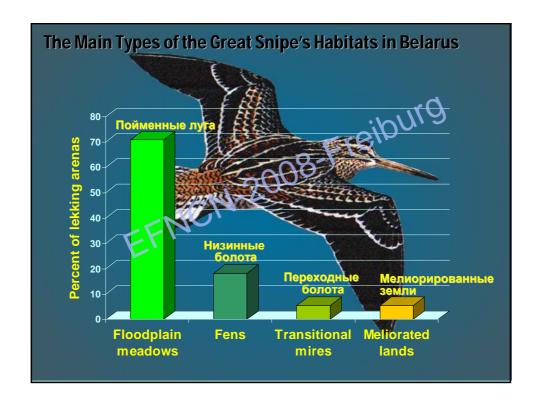
Impact of Fires on the Aquatic Warbler population and fen mire ecosystems

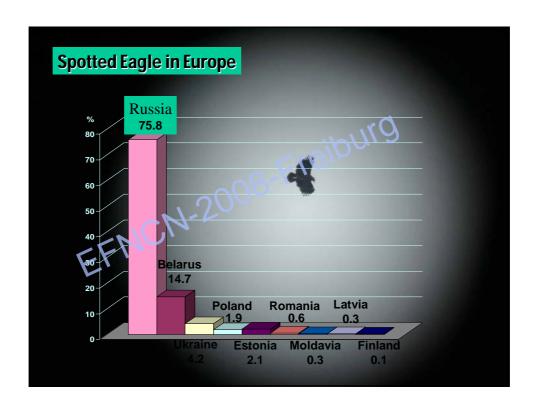
Required conditions for prescribed fire

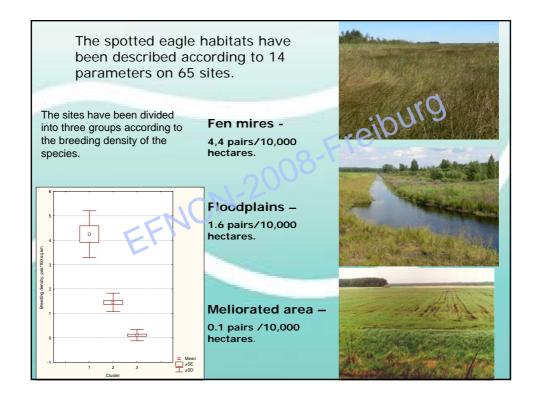
Scientific name	Common name	2007 IUCN Red List Category	Status in Pripyat Polesia
Branta ruficollis	Red-breasted Goose	EN	A Rare Visitor
Anser erythropus	Lesser White- fronted Goose	VU	A Rare Visitor
Aquila clanga	Greater Spotted Eagle	i ceile une	Centre of the Present Range
Acrocephalus paludicola	Aquatic Warbler	VU	Centre of the Present Range
Aythya nyroca	Ferruginous Duck	NT	A Rare Breeder
Falco vespertinus	Red-footed Falcon	NT	A Rare Breeder
Crex crex	Corncrake	NT	Native
Glareola nordmanni	Black-winged Pratincole	NT	Rare Stray
Gallinago media	Great Snipe	NT	Uncommon Breeder
Limosa limosa	Black-tailed Godwit	NT	Uncommon Breeder
Coracias garrulus	European Roller	NT	A rare breeder

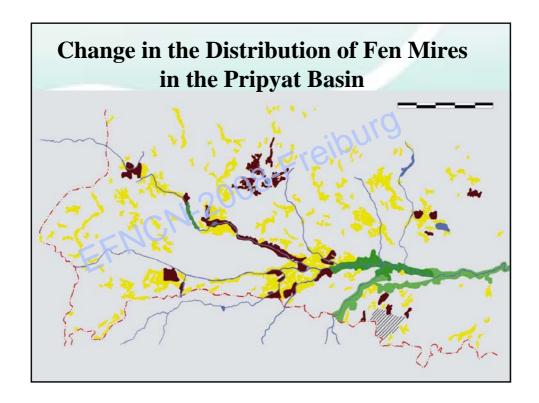










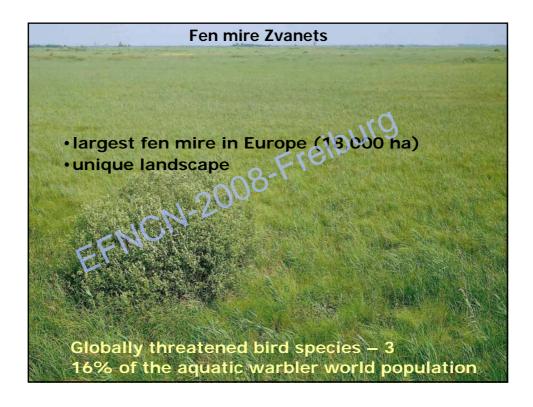


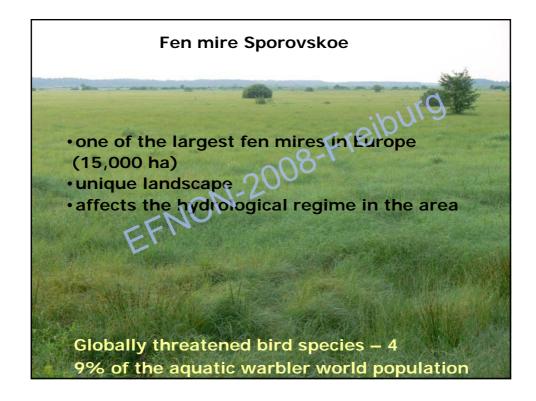
## Change in the Area of Natural Peatlands in Belarus

In the 1960s – **2,939,000** hectares or 14.2% of the country.

1960-1990 - **54%** of peatlands were drained.

2002 – **1,345,000** hectares or 6.2% of the country.



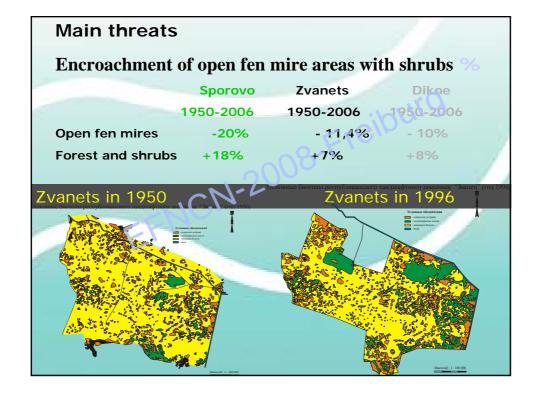


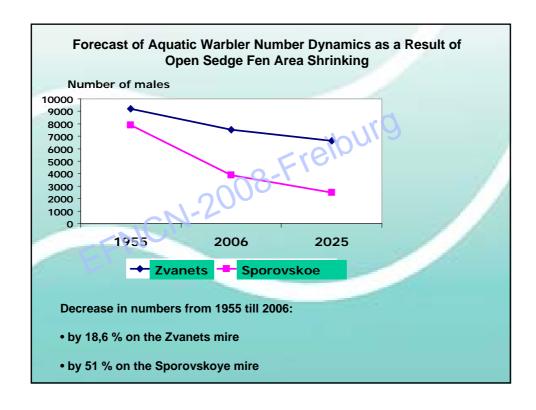
## Fen mire Dikoe • one of the largest fen mires in Europe (8,000 ha) • unique landscape • affects the hydrological regime of the area Globally threatened bird species — 4 4% of the aquatic warbler world population

Main threats to open fen mire and floodplain meadow ecosystems:

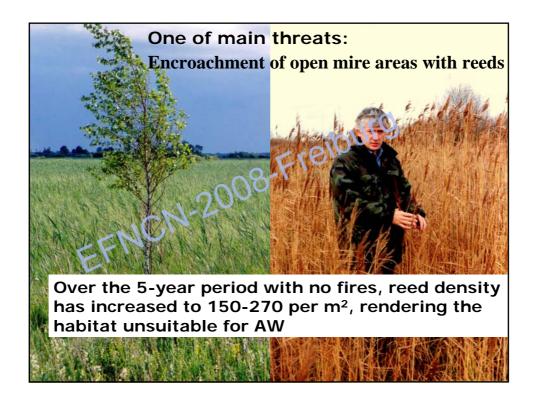
- The disruption of the hydrological regime (floods, droughts), caused by unsustainable use of water resources
- Encroachment with shrubs of open fen mire areas
- Excessive accumulation of old vegetation
- · Uncontrolled fire



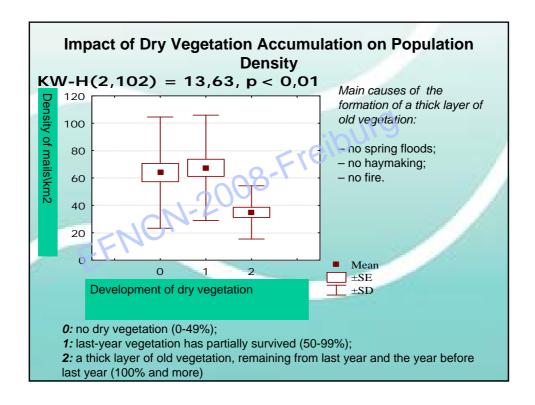


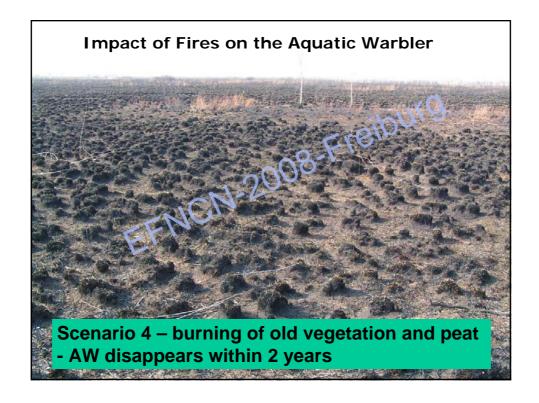


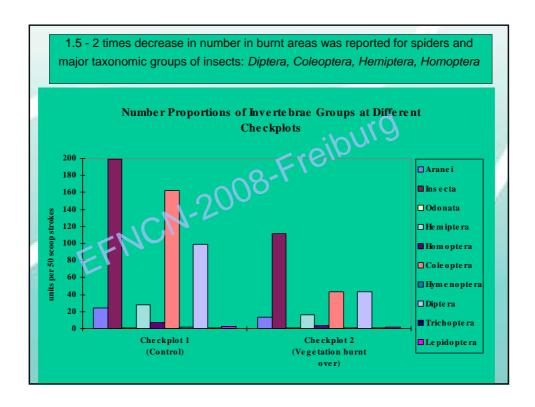






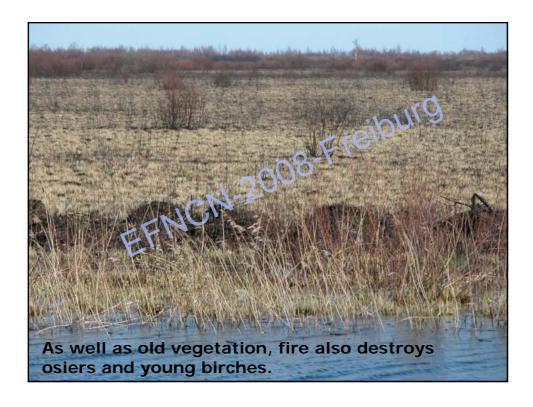




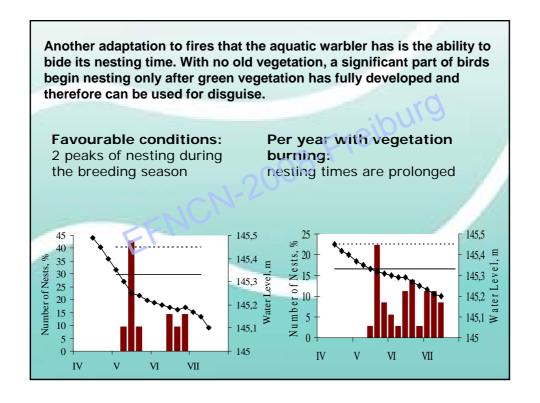


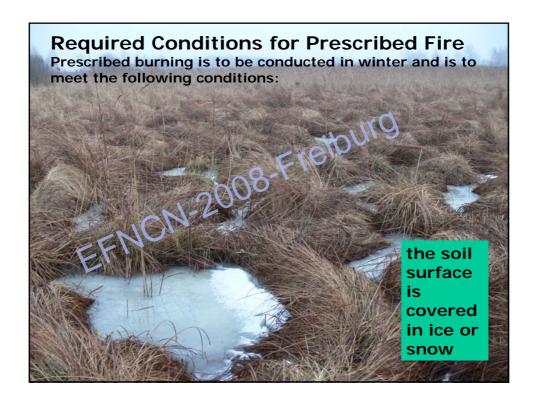
















## **Advantages of Prescribed Fire:**

- Improvement of vegetation efficiency
- Increase in insect biomass
- Good conditions for nesting due to the partial preservation of old vegetation
- New habitats for open sedge fen species are created by burning down dense reedbeds
- Shrubs are prevented from spreading by being burnt down
- Spring fire hazards, which are dangerous for man and ecosystems, posed by dry mires are eliminated

Decree of the President of Belarus (December 8, 2005)

Rules on Running Hunting Businesses and Procedures for Hunting

It is prohibited for artificial persons and citizens, including individual entrepreneurs, to burn dry vegetation and its standing remainder on agricultural and other lands. It is prohibited to burn reeds, rushes and other wild vegetation in places situated near wildlife habitats and breeding places. The only exception is scientifically-based burning of the aforementioned plants for improving habitats of red-listed species in Belarus.

