RESTORATION OF DRAGOMAN AND ALDOMIROVTSI MARSHES IN BULGARIA

BRIDGES AND BARRIERS TO PUBLIC PARTICIPATION, Sofia, 20th April 2015

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Created 1989, registered 1992. 70 members and 10 employees.

- 1. Research, conservation and restoration of biodiversity.
- 2. Development of nature protection legislation.
- 3. Rising public awareness.

www.balkani.org



Wetlands

- Areas where the water covers the soil or is present in its top layer.
- Lakes, marshes, rivers, wet meadows, seashore
- Permanent or temporary, natural or artificial

Highest ecosystem services = 2500 Euro/ha
Richest biodiversity
CO₂ reserve



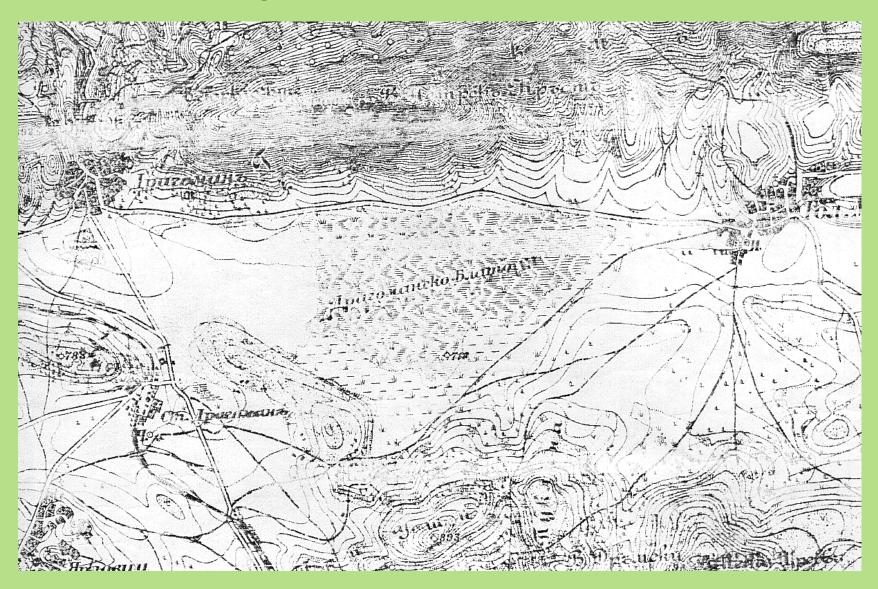
Wetlands in Bulgaria

- 1900 = 2% of Bulgaria (~2 000 km²)
- 1970 = 0,1% of Bulgaria (~100 km²)
- Biggest wetlands destroyed around Danube, Tracian Valley, Sofia Plane.
- Draining for arable land, converted in dams, fishponds
- Huge losses to biodiversity, fishing, hunting, flood risks and water purification.
- 20% of CO₂ emissions worldwide.

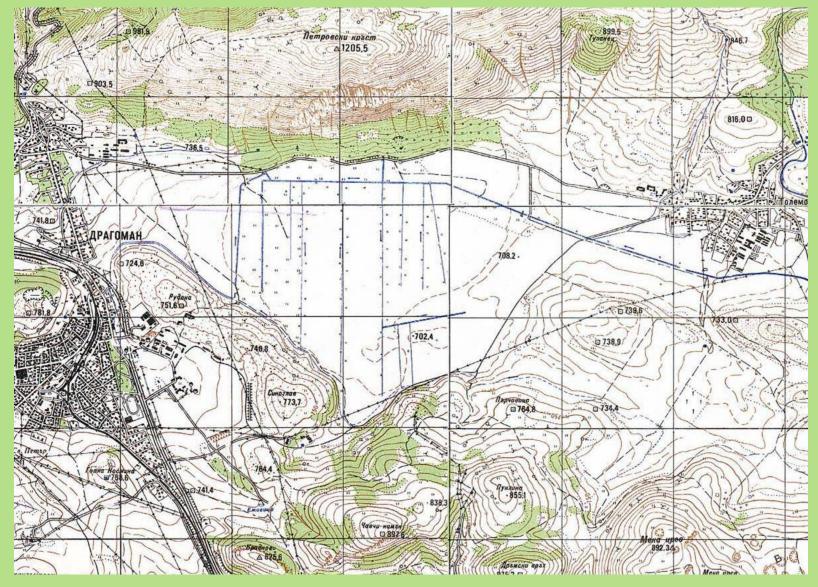




Dragoman Marsh - 1900



















- 300-400 ha, 705 m.a.s.l., 40 km from Sofia
- The biggest karst marsh





Dragoman Marsh - now

- 216 species of birds, 125 breeding
- 30-40 pairs Ferruginous Duck (Aythia nyroca)
- 2006: Great White Egret, Purple Heron, Gray Heron, Great Bittern, Little Bittern





- Unique steppic submediteranean flora
- Endemic plants: E. serbicus, A. wilmottianus, T. urumoffii





Wet meadows

- Specific boreal flora: Salix rosmarinifolia, Plantago maxima, Viola pumila, Fritilaria meleagroides
- 30-50 pairs of Corncrake (Crex crex)







Monitoring of birds(since 1994)

Environmental education



Purchase of land in the Marsh (43 ha)





Visitors infrastructure







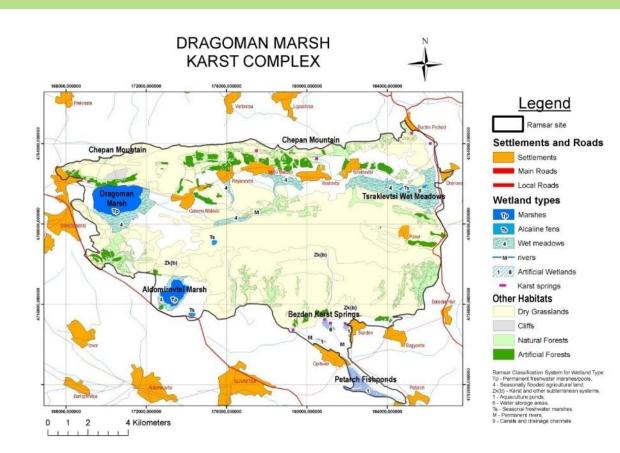
Restoration and monitoring of species and habitats





Ensuring legal protection of territory

- Natura 2000
- Wetland of international importance (Ramsar convention) 2011





Biomass utilization - heating pellets (*Phragmites, Typha, Schoenoplectus*)





Aldomirovtsi Marsh

Drained in August 2012

> The reason: earthquake 22.05.2012



February – July 2013 there was water then drained again

05 02 2013

November 2014 – we found a sinkhole

















Thank you for your attention!

email: dragoman@balkani.org www.balkani.org

Facebook pages:



- Wetland Centre Dragoman
- Balkani Wildlife Society