

Project Update: February 2008

During January-February 2008, they have prepared the webpage of the Szoko Peatbog. Please visit it at the following address:

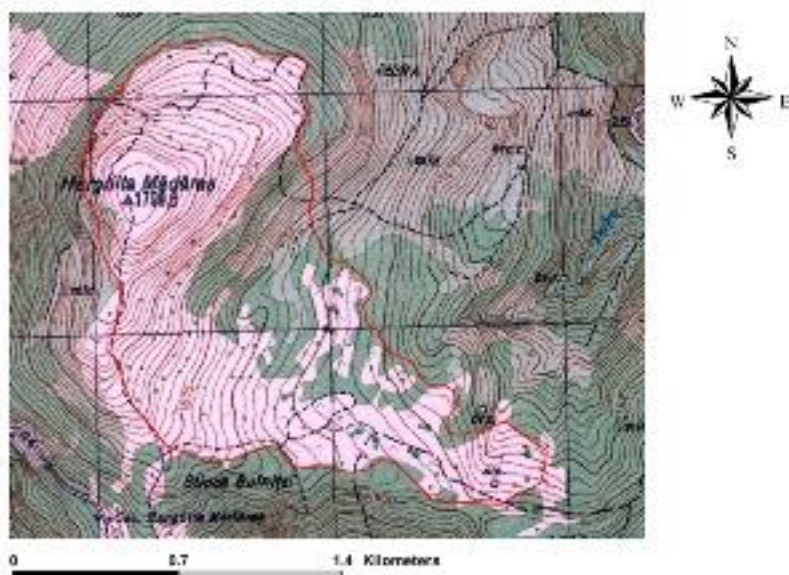
<http://www.szokolap.green-agera.ro/>

Their data on the biodiversity of the Szoko Peatbog have been published in a scientific paper, among other new and interesting floristic data from Szeklerland. It can be downloaded from the following address:

http://columbia.nyme.hu/~novenytan/novtan/florapannonica/eng/frame_eng.htm

They have visited the site during winter, and prepared a list of winter visitor bird species.

As the National Forestry of Romania has split in several private forestry's, they have had difficulties in obtaining forestry maps, needed for the scientific documentation of the protected area. With the help of the Environmental Protection Agency of Harghita County, they have obtained the administrative map of the peatbog, which is important to identify the stakeholders of the area.



Szoko peatbog map

Table 1: Habitat Types & Plant Communities

Code	Natura 2000 habitat type	Code	Romanian habitat type	Corresponding plant communities
4060	Alpine and Boreal heaths	R3108	Tufărișuri sud-est carpatice de ienupăr pitic (<i>Juniperus sibirica</i>)	<i>Campanulo abietinae</i> – <i>Juniperetum</i> Simon 1966
6230*	Species-rich <i>Nardus</i> grasslands, in siliceous substrates in mountain areas (and submontan areas, in Continental	R3609	Pajiști sud-est carpatice de țăpoșică (<i>Nardus stricta</i>) și <i>Viola declinata</i>	<i>Viola declinatae</i> - <i>Nardetum</i> Simon 1966

	Europe)			
7110*	Active raised bogs	R5101	Turbării sud-est carpatice, mezooligotrofe, acide cu <i>Eriophorum vaginatum</i> și <i>Sphagnum recurvum</i>	<i>Eriophoro vaginati</i> - <i>Sphagnetum recurvi</i> Hueck 1925
		R5102	Turbării sud-est carpatice, oligotrofe cu <i>Sphagnum magellanicum</i>	<i>Sphagnetum magellanici</i> (Malcuit 1929) Kästner et Flössner 1933
7140	Transition mires and quaking bogs	R5407	Mlaștini sud-est carpatice, mezotrofe cu <i>Carex lasiocarpa</i>	<i>Caricetum lasiocarpae</i> Koch 1926
		R5408	Mlaștini sud-est carpatice, oligotrofe cu <i>Carex limosa</i>	<i>Caricetum limosae</i> Br.-Bl. 1921
7230	Alcaline fens	R5405	Mlaștini sud-est carpatice, eutrofe cu <i>Carex flava</i> și <i>Eriophorum latifolium</i>	<i>Carici flavae</i> - <i>Eriophoretum latifolii</i> Soó 1944
7240*	Alpine pioneer formations of <i>Caricion bicoloris – atrofuscae</i>	R5403	Turbării sud-est carpatice, mezo-oligotrofe cu <i>Carex rostrata</i> și <i>Sphagnum recurvum</i>	<i>Sphagno - Caricetum rostratae</i> Steffen 1931
91D0*	Bog woodland	R4412	Rariști sud-est carpatice de molid (<i>Picea abies</i>) și/sau pin silvestru (<i>Pinus sylvestris</i>) de tinoave	<i>Sphagno - Piceetum</i> (Tx. 1937) Hartman 1942
-	-	R5410	Mlaștini sud-est carpatice, mezotrofe cu <i>Carex echinata</i> și <i>Sphagnum recurvum</i>	<i>Carici echinatae</i> - <i>Sphagnetum</i> Soó (1934) 1954
-	-	R5411	Mlaștini sud-est carpatice, eu-mezotrofe cu <i>Carex nigra</i> ssp. <i>nigra</i> , <i>Juncus glaucus</i> și <i>Juncus effusus</i>	<i>Junco - Caricetum fuscae</i> Tx. (1937) 1952
-	-	R5421	Comunități sud-est carpatice de izvoare și pâraie cu <i>Chrysosplenium alternifolium</i> și <i>Cardamine amara</i>	<i>Chrysosplenio - Cardaminetum amarae</i> Maas 1959

Table 2: Protected Plant Species

Family	Protected higher plant species	Status	Document*	Estimated Population Size
Ranunculaceae	<i>Ranunculus carpaticus</i> Herbich	R	O	unknown
Caryophyllaceae	<i>Stellaria palustris</i> Retz.var. <i>laxmannii</i>	R	O	<100
Rosaceae	<i>Comarum palustre</i> L.	R	O	>50000
Droseraceae	<i>Drosera rotundifolia</i> L.	R	O	>50000
Empetraceae	<i>Empetrum nigrum</i> L. ssp. <i>hermaphroditum</i> (Hagerup)Bocher	R	D; O	<100
Ericaceae	<i>Oxycoccus palustris</i> Pers.	R	D; O	>50000

Ericaceae	<i>Vaccinium uliginosum</i> L.		OUG57/2007, Annex 4B	unknown
Menyanthaceae	<i>Menyanthes trifoliata</i> L.	R	D; O	>10000
Scrophulariaceae	<i>Veronica alpina</i> L. f. <i>serratifolia</i>	R	O	<100
Scrophulariaceae	<i>Veronica fruticans</i> Jacq.	R	O	unknown
Campanulaceae	<i>Phyteuma vagneri</i> Kerner	R	O	unknown
Lentibulariaceae	<i>Pinguicula vulgaris</i> L.	R	D; O	>10000
Alliaceae	<i>Allium victorialis</i> L.	R	D; O	unknown
Orchidaceae	<i>Dactylorhiza cordigera</i> subsp. <i>sicolorum</i> (Soó)Soó	R	O	>50000
Orchidaceae	<i>Listera cordata</i> L.	R	B; O	<100
Orchidaceae	<i>Pseudorchis albida</i> (L.)&D. Löve	R	O	<100
Cyperaceae	<i>Carex limosa</i> L.	R	D; O	<5000
Cyperaceae	<i>Carex diandra</i> Schrank	R	D; O	unknown
Protected moss species				
	<i>Hamatocaulis vernicosus</i> (Mitt.) Heden.	K**	Bern Convention; Annex II of Habitat Directive CEE 43/92; OUG57/2007, Annex 3;	unknown
	<i>Sphagnum</i> sp.		OUG57/2007, Annex 5A	
*National Red Lists: O=Oltean et al. 1994, D=Dihoru et al. 1994; B=Boşcaiu et al.1994; **K(unsufficiently known)				
	Endemic higher plant taxa	Region:		
Ranunculaceae	<i>Ranunculus carpaticus</i> Herbich	Carpathians		unknown
Empetraceae	<i>Empetrum nigrum</i> L. ssp. <i>hermaphroditum</i> (Hagerup)Bocher	Eastern Carpathians		<100
Scrophulariaceae	<i>Veronica alpina</i> L. f. <i>serratifolia</i>	Eastern Carpathians		unknown
Iridaceae	<i>Crocus vernus</i> (L.)Hill	Carpathians and the Balkans		unknown
Orchidaceae	<i>Dactylorhiza cordigera</i> subsp. <i>sicolorum</i> (Soó)Soó	E. and N. Carpathans		>50000
	Other phytogeographically important higher plant species	Area		
Rosaceae	<i>Comarum palustre</i> L.	Circumboreal		>50000
Polygonaceae	<i>Polygonum viviparum</i> L.	Circumpolar Arctic-Alpine		unknown
Empetraceae	<i>Empetrum nigrum</i> L.	Circumpolar Arctic-Alpine		<10000

Ericaceae	<i>Oxycoccus palustris</i> Pers.	Circumboreal		>50000
Ericaceae	<i>Vaccinium uliginosum</i> L.	Circumboreal		unknown
Scrophulariaceae	<i>Veronica alpina</i> L. f. <i>serratifolia</i>	Circumpolar Arctic-Alpine		unknown
Cyperaceae	<i>Carex limosa</i> L.	Circumboreal		<5000
Cyperaceae	<i>Carex pauciflora</i> Lightf.	Circumboreal		>100000
	Other phytogeographically important moss species			
	<i>Cladopodiella fluitans</i> (Nees in Funck) Buch in Kalliola	northern-suboceanic		>1000
	<i>Scapania paludicola</i> Loeske & K. Muell. in K. Muell.	boreal-montane		unknown
	<i>Hamatocaulis vernicosus</i> (Mitt.) Heden.	boreal		unknown
	<i>Sphagnum compactum</i> Lam. & DC.	boreal		<100
	<i>Sphagnum fuscum</i> (Schimp.) Klinggr.	boreal-continental		unknown
	<i>Sphagnum platyphyllum</i> (Lindb. ex Braithw.) Sull. ex Warnst.	boreal		>500