Study of origin and conservation strategy of the Pramenka sheep breeds as regional transboundary breeds

Istrian Pramenka and Bela Krajina Pramenka

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Bela Krajina Pramenka (eng) Belokranjska pramenka (slo) Origin – history

- Slovenian autochthon breed;
- •it was once bred on both banks of the river Kolpa
- mainly in the rolling hills of the karst region of Bela Krajina
- the means for farming are poor
- the sheep are quite small
- •Purebred animals are found in the in the surrounding areas of Adlešiči, Marindol and Žuniči



Bela Krajina Pramenka Breeding females in herd book (year)

Year	Number of breeding females
2001	311
2004	657
2005	728
2006	840
2007	775
2008	687



Istrian Pramenka (eng) Istrska pramenka (slo) Origin – history

In the region of Karst and Istria sheep breeders have traditionally bred domestic, autochthonous sheep which they called Istrianka, Karst Sheep,

In those days sheep breeding was well developed in the above mentioned parts of Slovenia.

The short and long *Transhumance* was well known in the past and were bred mainly for their unusual characteristics: their distinct long-stepping walk and ability to graze in rocky terrain

Main production: milk



Istrian Pramenka (eng)

Breeding females in herd book

(year)

Year	Number of breeding females
2000	600
2003	1200
2004	1200
2005	1100
2006	1100
2007	1200
2008	1150

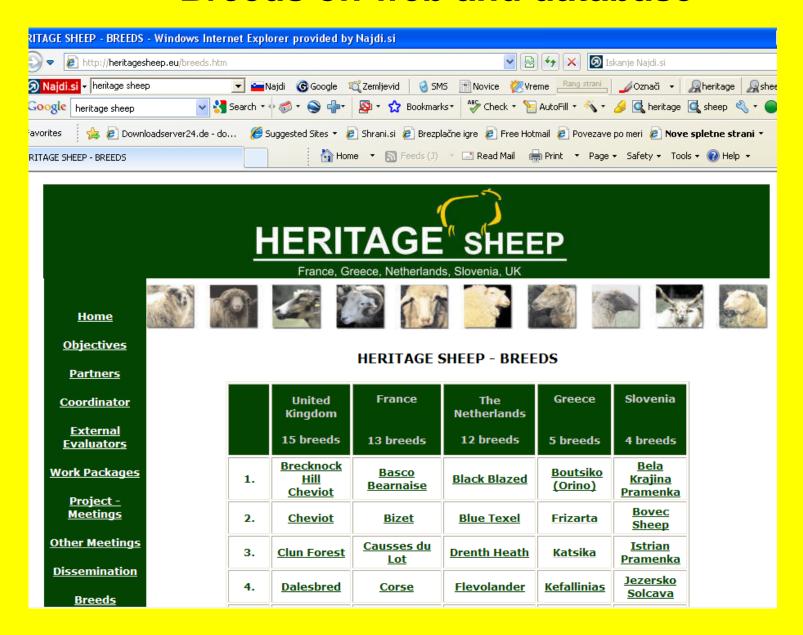


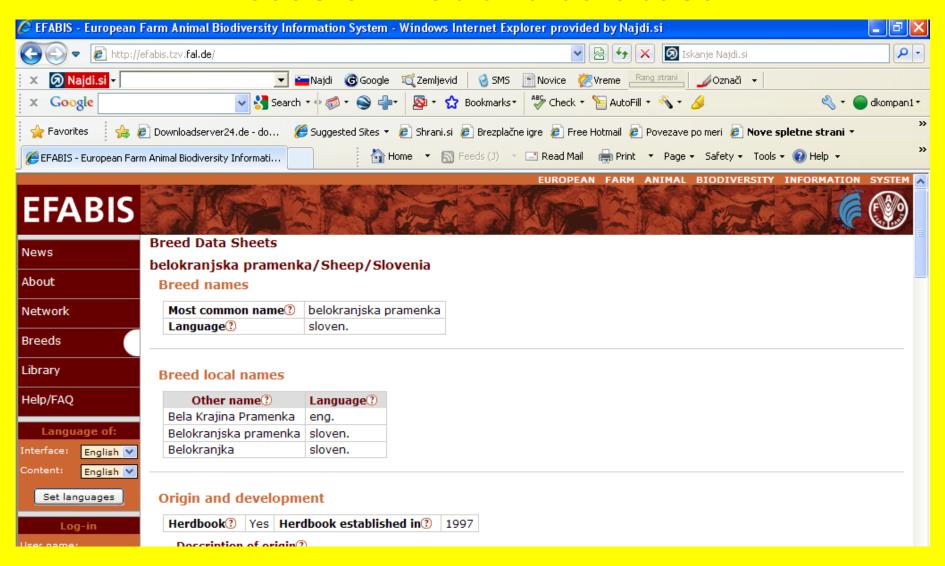
Istrian Pramenka (eng) Istrska pramenka (slo) Origin – history

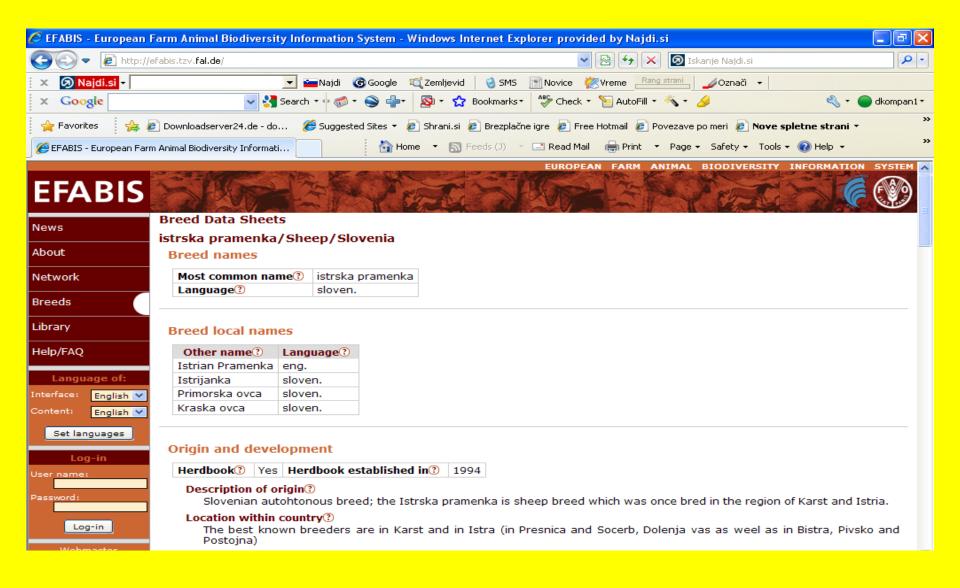
The Istrian Pramenka is of quite a large frame, owing to the highly placed torso and long strong legs. Its udders are shaped right, fastened high, with large teats. Its slim head, with the nose's crest and jutting out ears, is placed on a long neck. Thus, the sheep can use their slim snout to find even the best hidden blades of grass in between the rocks and boulders of Karst.

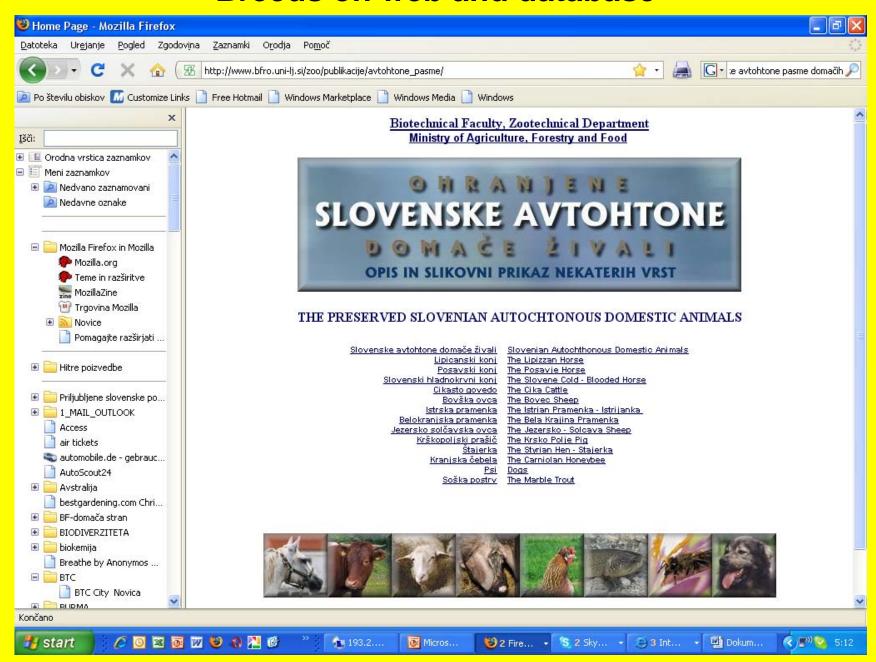
The sheep's multicolored wool does not cover the animals' entire body; their legs and belly are naked of wool, and in other parts they are only covered with shaggy fleece.

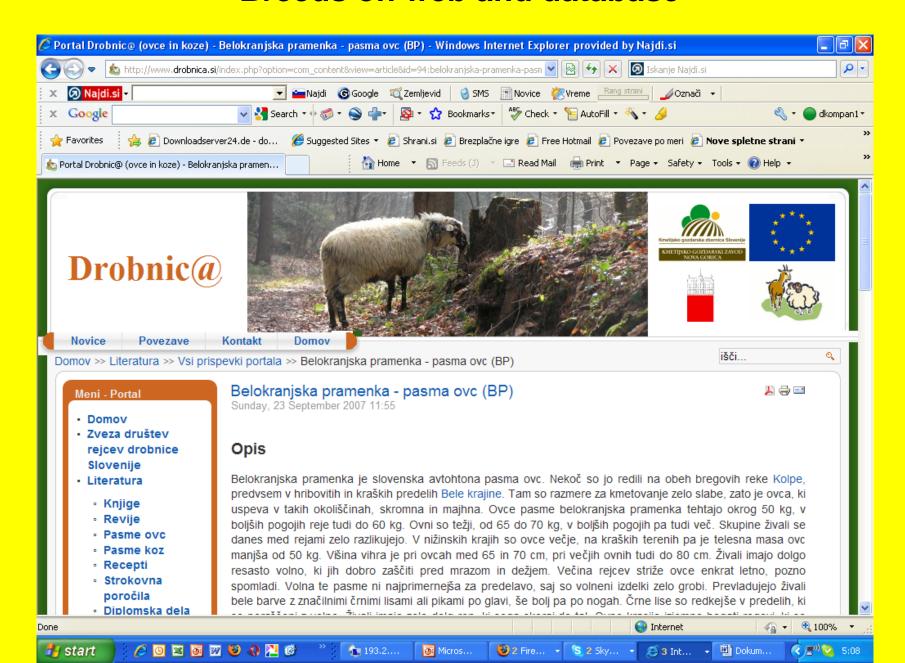












PrP Genotyping

Table 3. PrP allele frequencies, % Preglednica 3. Frekvence alelov PrP, %

Breed Pasma	Allele / Alel					
	ARR	AHQ	ARH	ARQ	VRQ	
JS	17.4	7.4	8.3	63.2	3.7	
JSR	17.8	7.9	0.9	69.7	3.8	
BP	35.0	4.3	0.6	58.6	1.4	
T	52.7	4.8	12.4	26.3	3.8	
В	16.9	17.4	7.6	57.1	1.0	
VFB	22.0	24.6	2.5	50.0	0.9	
IP	32.5	7.5	0.1	57.2	2.6	

JS – Jezersko-Solcava; JSR – Improved Jezersko-Solcava; BP – Bela Krajina pramenka; T – Texel; B – Bovec; VFB – Improved Bovec; IP – Istrian pramenka

Thank you

