

ERFP Country report 2010 – 2011

COUNTRY: MONTENEGRO

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Strategic Priority Area 1:

Characterization, Inventory and Monitoring of Trends and Associated Risks

According to the National program and Action plan of conservation and sustainable using, activities on the identification and inventory of the new heads of the most endangered autochthonous breeds as well as monitoring of already identified heads of autochthonous breeds were continued during the last year.

These activities included morphological characterization (data about body measures, exterior characteristics as pigmentation of hair and nostrils, size and shape of horns etc), information about current population size, location and geographical distribution. For Busha breed of cattle was done molecular genetic characterisation for 105 microsatellites.

According to these activities it proposed including in program of in situ conservation of next autochthonous breeds:

- Busha breed of cattle,
- Pivska pramenka sheep breed,
- Sora sheep breed ,
- Zetska zuja sheep breed + variety of Zuja breed - so called Piperska zuja.

Actions planned for the next year 2011:

- To continue identification, inventory, morphological characterization of AnGR,
- To complete monitoring of already identified animals,
- To include new species and breeds into regular in situ conservation activities,
- Starting of genetic characterization of AnGR

Strategic Priority Area 2:

Sustainable Use and Development

The most chances for sustainable using there are for breeds of sheep: Pivska pramenka and Sora. All of them are convenient for extensive way of rearing.

Pivska pramenka, for example, is suitable due to its high value products like cream (skorup) that can reach very high price at the market. However, due to lack of labor force, milking of ewes is less and less practiced, so that produce of milk product named "skorup" permanently declines.

The opposite is for Zetska zuja sheep breed and Bush breed of cattle, both of them are not economically attractive for rearing primarily due to low productivity and it is very difficult to organize sustainable using and development of them.

Strategic Priority Area 3:

Conservation

(please give details for the most relevant institutions for national genebanks / cryopreservation in the table in Annex 1)

In situ program of conservation of farm animal genetic resources has started three years ago. list of breeds, number of heads included in In this program in the last year were:

- 49 heads of Busha breed of cattle on three farms (44 cows and 5 bulls),
- 83 heads of Zetska zuja sheep breed (79 ewes and 4 rams) + 63 heads of Piperska zuja (61 ewes and 2 rams),
- 230 heads of Sora sheep breed in two flock (224 ewes and 6 rams),
- 315 heads of Pivska pramenka sheep breed in three flocks (305 ewes and 10 rams).

For breeds included into Program of in situ conservation, farmers were obliged by signing the contract in which obligation were clearly defined. In the state budget for Agriculture (Axis two of Rural development policy) premiums for Animal genetic resources were provided.

- Busha cattle breed 80+60 € /head (total 140€/head),
- for Pivska pramenka, Sora and Piperska zuja sheep breeds 10 +8 € / head (total 18 €/head) ,
- Zetska zuja breed of sheep (as the most endangered and with risk of extinction it is 10 + 15 €/head (total 25 €/head).

Activities planned for the next year 2011:

- To increase number of Busha cattle breed involved program of in situ conservation,
- To increase number of Zetska zuja sheep breed,
- To include of autochthonous Balkan goat (red colored) and donkey (domestic grey donkey) breeds in Program of in situ conservation.

Strategic Priority Area 4:

Policies, Institutions and Capacity-building

- The new Law on livestock breeding, that bring a legal frame for animal genetic resources has adopted,

National Coordinator participated on:

- Annual meeting of ERFP on EAAP in Crete - August 2010,
- ERFP regional projects: Development of regional network in function of sustainable breeding programs for transboundary breeds ,
- FAO workshop: Development of National Action Plans for Sustainable Management of Animal Genetic Resources Sustainable - hold in Kyiv, Ukraine 27-30. September 2010,

The national database of AnGR in EFABIS with direct links to the DAD-Is is updated.

The laboratory for basic molecular genetic analysis is established at Biotechnical faculty - Department of Livestock science.

Actions planned for the next year 2011:

- Preparation of the roles for list national genetic reserve of domestic animals, autochthonous breeds, ect
 - Preparation of breeding programmes for autochthonous breeds.
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Annex 1: List of relevant national institutions for national Genebanks / Cryopreservation Experts

institution, address, e-mail, homepage, phone / fax	contact person / expert incl. e-mail	animal species	type of genetic material	remarks