

Reported by

Prof. dr.sc. Ante Ivanković
National AnGR Coordinator

STRATEGIC PRIORITY AREA 1: CHARACTERIZATION, INVENTORY AND MONITORING OF TRENDS AND ASSOCIATED RISKS

Actions undertaken during the past year

Establish National Coordinating System for Monitoring of AnGR in frame 'National program of preservation autochthonous and protected breeds of domestic animals in Croatia'. Monitoring of autochthonous breeds (situations, endangerment, trends and risks). Adjustment of endangerment status of some cattle, sheep and donkey breeds. Reconstruct operational and strategic guidelines according to monitoring and characterization. Special attention is consecrated on critically endangered autochthonous breeds (Ruda sheep, Turopolje pig, Croatian Hen, Murinsulaner horse, Northern-Adriatic donkey, Busha cattle, Slavonian-Syrmian podolian cattle). Continue with characterization of exterior, production and genetic characteristics of autochthonous breeds. Characterization accent of autochthonous breeds are focused on production characteristics, adaptability traits, specific characteristic which are usable in traditional production systems, organic and/or ecologic production. Continue characterizations of genetic characteristics in interest of effectiveness protection of genetic variability.

Actions planned for the next year

We plan to continue work on characterizations of our autochthonous breed, especially with regards to production traits, adaptability fitness and genetic characteristics. Special attention will be focused on autochthonous horse, donkey and cattle breeds. We plan to finish the complete inventory list of domestic animal genetic resources. We would verify some indication about two potential autochthon genotypes (preserved in relative small number). We would make inventory of three donkey populations and establish separate breeding programmes. We plan to make inventory of Grey Dalmatian cattle population, establish 'preliminary' Herd book and breeding program for this breeds.

STRATEGIC PRIORITY AREA 2: SUSTAINABLE USE AND DEVELOPMENT

Actions undertaken during the past year

Develop the programmes of economic affirmation/exploitation of autochthonous breeds (increase their competition - profitability). Developing (improve) of programmes of sustainable use autochthonous breeds (horse, donkey, cattle, pig, sheep and poultry). Responsible institutions support the programmes of sustainable uses of autochthonous breeds through the stimulation production, standardizations, marketing and sale of recognizable food products. We remark on several such programmes: Istrian cattle – »Beef meat of Istrian cattle«, Dalmatian pramenka – »Kastradina«, Pag sheep - »Pag sheep cheese«, Black Slavonian pig - »Kulin« and Littoral-Dinaric donkey - ass milk production program. We are stimulating development of traditional processing potentials, traditional product standardization and connections of breeders, producers and consumers.

Actions planned for the next year

Develop of new programmes of economic uses (competitiveness) of autochthonous breeds. Finance support for creating new programmes for sustainable use of autochthonous breeds. Develop of traditional products, their standardizations, marketing promotion and support for sales. Develop of production capacity, processing and marketing, acquiring the signs of special characteristics of food quality.

STRATEGIC PRIORITY AREA 3: CONSERVATION

Actions undertaken during the past year

Analysis of efficiency active *in situ* protection programs of autochthonous breeds. Improve of efficiency of some conservation program. Finishing the breeding programs for some of autochthonous breeds (Busha, donkey breeds). Assistance of experts to breeders associations and responsible institutions. Undertaken prevention measure of »Action plan« in interest of protections of some critical endangered autochthonous breeds (cases of diseases). Started activities on establish »Gene Bank« of autochthonous breeds).

Actions planned for the next year

Developing/improving the model *in situ* protection of autochthonous breeds. Prepare of proposal *in situ* conservation programmes in areas of protected nature. Continue with activity in *ex situ in vitro* programm (establish »Gene Bank«). Collected information about human and technical resources, beginning of collecting and storing genetic material in »Gene Bank«. Keeping thematic meetings with topic »*Survival and financing of Animal Genetic Resources at the beginning of 21st century*« and »*Programs of economic uses of national and transboulder farm animal genetic resources*«. Establish »Gene Bank« and its integration in active *in situ* programmes.

STRATEGIC PRIORITY AREA 4: POLICIES, INSTITUTIONS AND CAPACITY BUILDING

Actions undertaken during the past year

Harmonization of legislative regulations which are in relate with protection of autochthonous breeds. Finance support for breeding organizations who participate in breeding work. Organize some workshops, scientific and expert meetings on which discusses about actualities in protection programmes of autochthonous breeds. Meeting organization (DAGENE association) with international participation (Zagreb, 20.-21.05.2009). A part of this meeting have been kept ERFPP Project meeting (Management of traditional transboundary breeds on the example of a nearly forgotten breed, the Murinsulaner) on which four national coordinators participated. Develop the cooperation on regional and international level.

Actions planned for the next year

Additional harmonization of legislative regulations which are in relate with protection AnGR. Develop of support measurements for breeding associations which are active in conservation of AnGR. Harmonization of institutional cooperation in framework - improve programmes of competitiveness and sustainable uses of autochthonous breeds. Adoption of »National program of preservation autochthonous and protected breeds of domestic animals in Croatia«. Preparations and adoption plans for crisis situations, especially for critically endangered breeds. Developing the cooperation on regional and international level.