

ERFP Country Report 2011 – 2012

COUNTRY: CROATIA

reported by: Prof. Ante Ivanković Ph.D.

Strategic Priority Area 1:

Characterization, Inventory and Monitoring of Trends and Associated Risks

We continue with characterization of exterior, production and genetic characteristics of autochthonous breeds. Characterization of the autochthonous breeds are focused on adaptability traits, specific characteristic which are usable in traditional production systems, organic and/or ecologic production. We continue with monitoring of autochthonous breeds and record all changes in populations (trends and risks). Special attention is focused on critically endangered autochthonous breeds (Turopolje pig, Murinsulaner horse, Northern-Adriatic donkey, Busha cattle, Slavonian-Syrmian podolian cattle). We planed make inventory of Kornat sheep population, establish 'preliminary' Herd book and breeding program for this breeds.

Strategic Priority Area 2:

Sustainable Use and Development

We improve actual the programmes of economic use/affirmation of autochthonous breeds (competition - profitability). Responsible institutions support the programmes of sustainable uses of autochthonous breeds through the stimulation of traditional production systems, product standardization, presentation on the market and assistance in selling of recognizable traditional 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", lamb meat, etc. Public service give support in develop of traditional processing potentials, traditional product standardization and connections between breeders, producers and consumers. We will develop or improve of existing/new programmes of economic uses (competitiveness) of autochthonous breeds. Public service give a finance support for creating new programmes for sustainable use of autochthonous breeds, development of production capacity, processing and marketing, acquiring the signs of special characteristics of food quality.

Strategic Priority Area 3:

Conservation

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

We constantly monitoring of efficiency active in situ programs of autochthonous breeds and improve their efficiency . We create new breeding programs for some of autochthonous breeds (Istrian donkey, Istrian sheep). We debvelop measure of »Action plan« in interest of protections of some critical endangered autochthonous breeds (cases of diseases). We continue with acivity in ex situ in vitro programm (Gene Bank is established, determine the responsible institutions, accept the software "CryoWeb"). We collected information about human and technical resources. Our following activities are: a) collection of genetic material in Gene Bank, c) improvment of in situ programmes, d) education and exchange of experiences.

Strategic Priority Area 4:

Policies, Institutions and Capacity-building

In 2010 was establish National Coordinating System for Monitoring of AnGR in frame 'National program of preservation autochthonous and protected breeds of domestic animals in Croatia'. Our following activities are: a) harmonization of legislative regulations which are in relate with protection of autochthonous breeds, b)

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develop of support measurements for breeding associations which are active in conservation of AnGR, c) harmonization of institutional cooperation in framework - improve programmes of competitiveness and sustainable uses of autochthonous breeds, d) preparations and adoption new "action plans" for crisis situations, especially for critically endangered breeds. e) organize some workshops, scientific and expert meetings on which discusses about actualities in protection programmes of autochthonous breeds, f) develop the cooperation on national, regional and international level.

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 |
|---|---|--|-------------------------------------|---|
| Croatian Agriculture Agency Ilica 101; 10 000 Zagreb; CROATIA E -mail: hpa@hpa.hr Homepage: http://www.hpa.hr/ Phone: 01/3903 111 Fax: 01/3903 191 | Dr.sc. Maja Dražić mdrazic@hpa.hr | Horse, donkey, cattle, sheep, goat, pig, poultry, bees | sperm, oocytes embryos, body tissue | The establishment of gene banks is in progress. This year we will prepare the technical requirements for the collection and storage of genetic material (rooms, equipment, training). |
| University of Zagreb Faculty of Agriculture Department of animal production and technology Svetošimunska cesta 25 10000 Zagreb, CROATIA Tel. 00 385 1 239 3991 Fax. 00 385 1 239 3901 Homepage: http://ahr.hr | Prof. Ante Ivanković Ph.D. aivankovic@agr.hr | Horse, donkey, cattle, sheep, goat, pig, poultry, bees | body tissue | Participates in the selection of breeds, animals and tissues for storage in Gene Bank. |
| University of Zagreb Faculty of Veterinary medicine Department of Physiology and Radiobiology Heinzelova 55 10000 Zagreb, Croatia Tel: 00 385 1 2390-170 Homepage: http://vef.unizg.hr | prof. Miljenko Šimpraga Ph.D. miljenko.simpraga@vef.hr | Horse, cattle, sheep, goat, pig, poultry | perm, oocytes embryos, body tissue | Develop of methods for collecting and storing genetic material in Gene banks. |

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