

## ERFP Country report 2010 – 2011

**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. Characterizations of the autochthonous breeds are focused on production characteristics, adaptability traits, specific characteristic which are usable in traditional production systems, organic and/or ecologic production. System of regular monitoring of autochthonous breeds is established and regularly record all changes in populations (situations, endangerment, trends and risks). Special attention is focused on critically endangered autochthonous breeds (Turopolje pig, Croatian Hen, Murinsulaner horse, Northern-Adriatic donkey, Busha cattle, Slavonian-Syrmian podolian cattle). We will continue with the characterization 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 planed 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

We develop (improve) the programmes of economic affirmation/exploitation of autochthonous breeds (increase their 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 support develop of traditional processing potentials, traditional product standardization and connections between traditional 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 efficiency for some conservation program. we have adopted the breeding programs for some of autochthonous breeds. We give a constant experts assistance to breeders associations. We are undertaking prevention measure of "Action plan" in interest of protections of some critical endangered autochthonous breeds (cases of diseases). We will develop the active in situ protection model of autochthonous breeds. We continue with activity in ex situ in vitro program (we establish "Gene Bank" in this year), determine the responsible institutions; we have accepted the software "CryoWeb". We collected information about human and technical resources. Our following activities are: a) the full establishment of gene bank, b) collection of genetic material in Gene Bank, c) the further development of in situ programmes, d) further education and exchange of experiences.

---

**Strategic Priority Area 4:  
Policies, Institutions and Capacity-building**

In May 2010 Croatian Government accept 'National program of preservation autochthonous and protected breeds of domestic animals in Croatia'. In July 2010 was establishing 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) 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 "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: <a href="http://www.hpa.hr/">http://www.hpa.hr/</a> Phone: 01/3903 111 Fax: 01/3903 191	Dr.sc. Maja Dražić	Horse, donkey, cattle, sheep, goat, pig, polutry, 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).

---
