

Progress report of the Ukraine on the implementation of the Global Plan of Action for Animal Genetic Resources - 2007 to 2011

Strategic Priority Area 1: Characterization, Inventory and Monitoring of Trends and Associated Risks

1.1) Inventory, systematization, national and international classification domestic AnGR is lead (As a whole 596 gene pool objects. At distribution on zoological classes: at Mammalia – 225, birds (poultry) – 202, fishes – 25 and insects (hexapod) – 144).

In 2011 seriously began and now proceeds it is made the preparation of analytical materials for updating a national database in EFABIS and DAD-IS.

Survey (from Ukraine) to identify threats to animal genetic resources is given: Answers to the World electronic questionnaire of FAO on 381 question for updating of the World Information Database for AnGR (On March, 20, 2009).

Definition Ukrainian AnGR (145 gene pool objects) to which danger most of all threatens and their analysis on accepted for international scene of classification of a condition of populations (the current statuses and their reasons) is submitted: The answer to the Head of Group AnGR at FAO Joram Mwacharo (On May, 2, 2009).

The analysis of the basic threats to genetic resources of animal industries of Ukraine and the unified methodology of their classification, which is developed FAO, is given: Materials of the World e-conference: “Analyzing threats to animal genetic resources for food and agriculture” (on May, 4-25, 2009).

Initial monitoring tendencies and the risks connected to them is carried out (As a whole 596 gene pool objects - in 2011 - by the new technique unified by the international experience).

1.2) For prospect it is planned: Continuation of inventory, monitoring of trends and associated risks. Acquaintance of cattle breeders with the international methodical approaches to the analysis of threats to preservation AnGR and an estimation of the real status of risk of the pedigree (gene pool) populations.

Strategic Priority Area 2: Sustainable Use and Development

2.1) A lot of the state programs (more than 30) of perfection (selection) of the main breeds of the basic kinds of agricultural animals in Ukraine for the period till 2010-2012 has been earlier developed.

The basic approaches to rational use AnGR are produced.

The basic strategic postulate of preservation of a genofond of domestic animal industries I had been stated.

I have offered national strategy of association in the parallel decision of two very important problems – organization of the state breeding service and preservation of biodiversity AnGR in the country.

2.2) For prospect it is planned: Improvement and strengthening of a national policy and perspective scientific researches in the field of sustainable use and development of AnGR.

Strategic Priority Area 3: Conservation

3.1) Earlier under my edition it is written and printed (released) the book in the Ukrainian language in Ukraine ("Methodological aspects of preservation of a gene pool of agricultural animals" / M.V. Zubets, V.P. Burkat, J.F. Melnyk, etc.; Scientific editor I.V. Guziev.- Kyiv: The Agrarian science, 2007.- 120 p.). In it theoretical and methodological aspects of farm animals gene pool conservation were elucidated. Historical and scientific analysis of the problem as well as some conceptual and methodic approaches are founded on unification of complex of selection, genetic, biotechnological and organization measures were suggested as a base of the elaborated contemporary farm animal genetic diversity preservation strategy. Methods of determination of budget subsidy rate for genofond preservation of different species of farm animals, also algorithm logic of calculation of gene pool micro-population main parameters were described.

On the basis of this book and under my management the base variant of the "Program of preservation of a gene pool of the basic species of agricultural (farm)

animals in Ukraine for the period till 2015” is developed, where in addition calculations of necessary financial state maintenance are produced.

3.2) For prospect it is planned: Work in development of the state (national) politics and planning of perspective scientific researches in the field of conservation AnGR.

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

4.1) Our Institute of Animal Breeding and Genetics (IABG is the Coordinator of the Scientific and Technical Program “Preservation of a gene pool of farm animals”, which is developed till 2010. This Program was ratified at the Presidium by the Ukrainian Academy of Agrarian Sciences (UAAS). All Institutes of Branch Zootehnii UAAS participate in realization of the Program practically.

In IABG UAAS Cryo-bank AnGR is based, which was recognized as national heritage of Ukraine. In our Institute the separate laboratory AnGR is created.

I took part in June, 2009 in check of performance of scientific researches on preservation of a gene pool some (separate) breeds of beef cattle, pigs and sheep’s in Institute of animal industries of steppe areas "Askaniya-Nova" (the Kherson Region of Ukraine); in July, 2009 has acted with the report on the International Congress ”On Traces of Podolic Grey Cattle ” (Italy, Matera); in August, 2009 has acted with the report ”The State of a genofond of meat cattle breeding of Ukraine ” in Kovel (the Volynsk Region of Ukraine) on the International Symposium ”15 years to the Volynsk Beef breed ”, and also has accepted active participation and has acted with the reports in the Regional Seminar for National Coordinators and the International Conferences (Meetings): in August, 2009 - in Barcelona (Spain), in September, 2009 in Almaty (Kazakhstan), in January, 2010 – in Paris (France), in September, 2010 – in Kiev (Ukraine), in May, 2011 – in Tartu (Estonia) and in June, 2011 – in Wageningen (Netherlands).

4.2) For prospect it is planned: Studying of directive materials of FAO for preservation AnGR.

Prospective planning of scientific researches in Ukraine within the limits of the new program for 2011-2015 “Preservation of a biological diversity of agricultural animals”.

The harmonization and development of national directive of approaches and legislative base for AnGR.