

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

**Actions undertaken during the past year**

Inventory, systematization and national classification domestic AnGR is lead.

Initial monitoring tendencies and the risks connected to them is carried out.

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).

**Actions planned for the next year**

Continuation of inventory, monitoring of trends and associated risks, and also carrying out of the international classification domestic AnGR.

**STRATEGIC PRIORITY AREA 2: SUSTAINABLE USE AND DEVELOPMENT**

**Actions undertaken during the past year**

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.

**Actions planned for the next year**

Improvement and strengthening of a national policy in the field of sustainable use and development of AnGR.

### **STRATEGIC PRIORITY AREA 3: CONSERVATION**

#### **Actions undertaken during the past year**

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 and also it is issued (is printed) this year, where in addition calculations of necessary financial state maintenance are produced.

#### **Actions planned for the next year**

Work in development of the state (national) politics in the field of conservation AnGR.

### **STRATEGIC PRIORITY AREA 4: POLICIES, INSTITUTIONS AND CAPACITY BUILDING**

#### **Actions undertaken during the past year**

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 Zootehni 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.

Besides 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 "Askanija-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); and also 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".

#### **Actions planned for the next year**

Studying of directive materials of FAO for preservation AnGR.

Preparation of analytical materials for creation (updating) a national database in DAD-IS.

Creation inside the country of the trade centers of preservation AnGR.

Carrying out at a regional and international level of work on an explanation of functions AnGR and their value.

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