

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

Actions undertaken during the past year

- **Pursuit of the Official Catalogue of Spanish's breeds.** In the Official Catalogue all the livestock breeds that are zootechnically regulated and supported have been inventoried. At this moment there are included in the Catalogue 181 breeds.
- **Recognition and monitoring of associations of breeders** of the bovine, ovine, goat, pig, canine, poultry and equine species, for the management of genealogical books and the development of the breeding programs with 159 associations. A new second-level association has been recognised in accordance with Royal Decree (Order of Council) 2129/2008 that established the possibility to create organizations formed by several associations, in this case is the Spanish Federation of Native Breeds –FEDERAPES-.
- Development of **Guidelines for breed's inspectors** to supervise the associations functioning.
- **Actions to improved** individual identification and inscription of the animals in the herd book. Establishment of a Register of collaborating farms.
- **Update of several zootechnical elements:** *Regulations of Genealogical Books, Breeding Programmes, and Diffusion Programmes of the Improvement.* A full review of regulations on herd, flock and stud books, breeding programmes and diffusion is being carried out with the purpose of complying with all the requirements established in the legislation published last year, (Royal Decree 2129/2008).
- **Development of the National System Information and Databases on Breeds (ARCA):** a computer application with internet/intranet technology which includes an electronic database including data from breed's organisations and all the data related to the breed included in the official catalogue. Currently, all the breed's information has been required to the breeders' associations and shortly it will be loaded into the system.
- Boost and encourage the realization of **paternity assignment controls**.
- Continue with the implementation of National Programme of genetic resistance against TSE in sheep
- Development of a national plan to implemetation of genomic selection in cattle.

Actions planned for the next year

- **Update the official Catalogue** with new categories and breeds. Four new breeds (2 poultry, 1 equine and 1 canine breeds) are currently being studied for including them in the Official Catalogue.
- **Create a National Observatory for AnGr** as a permanent body for the study of the AnGr situation, trends and associated risks
- **Development of the action plan** for the national programme for the conservation, improvement and promotion of breeds
- Update of the requirements of the National Programme of genetic resistance against TSE in sheep.
- Carry on with genomic selection in cattle: establishment of reference population and boost of genomic evaluation bovine values.

STRATEGIC PRIORITY AREA 2: SUSTAINABLE USE AND DEVELOPMENT

Actions undertaken during the past year

- **Support of extensive systems production for Native Breeds** that fulfill some environmental aspects through specific legislation. Royal Decree 1724/2007 that established aids for support this type of systems production.
- **Improvement of competitiveness of products native breeds.**
- Support **production of animal origin quality products**, in particular from autochthonous breeds encouraging the use of these breeds in the production of quality products through specific legislation.. Royal Decree 1615/2007 that established aids for support certification schemes in animal origin products production.
- Development a Guideline for voluntary label for lamb and kid meat that includes a reserved terms concerning native breeds.
- **Monitor the implementation of the breeding programs**

Actions planned for the next year

- Maintain the support to **encourage the sustainable use** and implement the legislation.
- **Development of advice systems for producers** to incorporate the environmental regulations.
- **Studies of the actual situation of the exports** of the products from autochthonous breeds.
- **Support** for companies that produce **local and traditional products**.
- Encourage the use of autochthonous breeds for preserving ecosystems.

- Promotion for consumers of the products from autochthonous breeds included in **quality marks**.
- Development of mechanisms for supporting those farms that collaborate in breeding programs

STRATEGIC PRIORITY AREA 3: CONSERVATION

Actions undertaken during the past year

- **Approval of national breeding programmes (both for conservation of endangered breeds, and improvement –other breeds-) ,** general and specific for each breed.
- **Breeding animals genetic evaluation and animal recording of morphological traits.**
- **Yields control and genetic evaluation,** including criteria for ovine against TSE. **(Support for the development of genetics evaluations)**
- **Authorization of Testing Centres**

Authorization and register of semen collection and storage centres, embryos and ova collections and production teams, and germplasm banks:

- **9 bovine semen collection centres**
- **21 bovine semen storage centres**
- **13 bovine embryo collection and production teams**
- **37 porcine semen collection centres**
- **11 ovine and caprine semen collection centres**
- **23 equine semen collection centres**
- **1 equine semen storage centres**
- **2 equine embryo collection and production teams**
- **Designation** of Reproducing Reference Centre or National Bank (in Madrid) with the sign of a special agreement of collaboration.
- **Ex-situ conservation** of breeds in danger.
- **Artificial insemination** and diffusion of the improvement with high genetic value semen.
- **Authorization of genetic laboratories,** DNA banks and filial control, implementing the Central Veterinary Laboratory (Algete) with proper sources.

Actions planned for the next year

- **Progress in conservation programmes**
- Put into operation the **Reproducing Reference Center** or National Bank and developing activities in the official genetic laboratory.

- **Standardize the system of breeding animals genetic evaluation** and unify techniques and protocols for each breed.

- **Promote the activities of the germplasm bank.**

- **Coordinate** with other organism for the **collection of genetic material** for using it in conservation programs.
- **Promote a specific legislation for implementing a National Cryobank, according with regional authorities and breeding organizations.**
- **Attending some meetings or working groups regarding these issues.**

STRATEGIC PRIORITY AREA 4: POLICIES, INSTITUTIONS AND CAPACITY BUILDING

Actions undertaken during the past year

- **Stablishment of a new National Coordinating Committee** for the conservation, improvement and promotion of livestock breeds with representation from the relevant official authorities and the Ministry of the Environment, and Rural and Marine Affairs.

- **Organization of meetings**, in committees, with all the partners implied in the management of breeds, not only public but private.

- **Continue with the collaboration with the National federation of Spanish autochtonous endangered breeds (FEDERAPES)** in order to coordinate efforts in the conservation and recovery of these breeds.

- **Continue with the collaboration with the Spanish Federation of select breed's organisations (FEAGAS) for giving technical support to organisations.**

- **Development of the National System of Information.**

- **Development of the web page of the Ministry with the zootechnical information.**

- **Continue with the development of the database for the genetic evaluation of ovine against TSE.**

- **Creation of data base to record data of parentage recordings in sheep**

- **Designation of the official Laboratory of the Ministry on genetics in Algete for reference and activities in genes to support the breeds.**

- **Creation of communications networks and exchanges of information**, with national organizations (Universities, INIA) and foreigners (EAAP, FAO, EU, ICAR).

- **Connection of policies and programs on animal genetics resources** with other national and international initiatives in the field of agriculture and the biodiversity.

- **Educative Programs** for vets, livestock breeders and the public in general.

- **Legal Frame:** norms and policies. Publication of a Royal Decree to develop the national program for conservation and promotion of breeds and other legislation to support the breeds.

- **Publications** of different books on breeds

- **Diffusion through Internet** (Web pages, as PEGASO, FILUS, BABIECA for equine) and Campaigns of awareness and promotion.

- Define and approval the **calendar of the livestock shows, exhibitions, competitions and auctions.**

- Organization of the **EAAP meeting** that took place in Spain on August 2009, focus in biodiversity and activities and meetings to increase the participation of all the national entities.

Actions planned for the next year

- A **national data base** for animal genetic resources will be put into operation.

- Development of data base to record data of parentage recordings to be used in other species as bovine, goats, pigs.

- Boost of **animal and products exportations** by simplifying the administrative proceedings.

-Update the **Regulations and Programmes** for breeds.

-Approval of **promotion and diffusion programmes** for breeds.

-**Development of the different lines of the National Programme**, in particular for genetics and reproduction, sustainable activities and programmes of quality products.

- Development of a Royal Decree of establishing rules for collection, storage and put into the market of semen, embryos and ova, at a national level.