



European Regional Focal Point for Animal Genetic Resources



# INTEGRATION OF IN SITU AND EX SITU CONSERVATION IN THE EU AND SPAIN ANIMAL BREEDING REGULATION.

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GOBIERNO DE ESPAÑA  
MINISTERIO DE AGRICULTURA, PESCA Y ALIMENTACIÓN



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1. WHAT IS STATED IN THE EU ANIMAL BREEDING REGULATION ON THE INTEGRATION OF IN SITU AND EX SITU CONSERVATION?

## NOTHING


REGULATION (EU) 2016/1012 ‘Animal Breeding Regulation’.  
*Preamble:*  
*Recital (23) If the aim of the breeding programme is to preserve the breed, the requirements of the breeding programme could be complemented by ex situ and in situ conservation measures or any other tools for monitoring the status of the breed that would ensure a long term, sustainable conservation of that breed. It should be possible for those measures to be laid down in the breeding programme.*




THE EU ANIMAL BREEDING REGULATION IS NOT HIGHLIGHTING THE CONSERVATION ACTIVITIES.

IN THE CASE OF CONSERVATION BREEDING PROGRAMMES, *THE IN SITU AND EX SITU* ACTIVITIES (INCLUDING THE INTEGRATION OF SUCH ACTIVITIES), SHOULD BE DESCRIBED IN THE BREEDING PROGRAMME, APPROVED BY COMPETENT AUTHORITIES.

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1. WHAT IS STATED IN THE EU ANIMAL BREEDING REGULATION ON THE INTEGRATION OF IN SITU AND EX SITU CONSERVATION?

REGULATION (EU) 2016/1012 ‘Animal Breeding Regulation’.


ANNEX IV EUROPEAN UNION REFERENCE CENTRES REFERRED TO IN ARTICLE 29, at the request of the commission shall:

3. c.(i). develop or harmonise methods used for the in situ and ex situ conservation of endangered breeds or the preservation of the genetic diversity within those breeds or provide assistance in such development or harmonisation;




THE EUROPEAN UNION REFERENCE CENTER FOR ENDANGERED ANIMAL BREEDS, COULD DEVELOP OR ARMONISED METHODS FOR IN SITU AND EX SITU CONSERVATION OF ENDANGERED BREEDS, INTER ALIA THE INTEGRATION OF *IN SITU* AND *EX SITU* CONSERVATION ACTIVITIES.

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2. WHAT IS STATED IN THE SPANISH ANIMAL BREEDING REGULATION ON THE INTEGRATION OF IN SITU AND EX SITU CONSERVATION?

**NOTHING**

ROYAL DECREE 45/2019 “Spanish Animal Breeding Regulation”.


In relation with the conservation activities, our main concerning was promoted the *ex situ* conservation, as *in situ* conservation is being developed efficiently by breeders societies.

INDIRECT REFERENCE TO INTEGRATION OF EX SITU AND IN SITU CONSERVATION ACTIVITIES:

ARTICLE 8. APPROVAL OF BREEDING PROGRAMMES:

c) List of [...] genebanks collaborating with the breeding programme.

f) For conservation programs, information must also be provided on the mechanisms to guarantee the in situ and ex situ conservation of animals and their genetic material and measures to avoid an excessive increase in consanguinity, to maintaining genetic variability and long-term sustainability of the breed.




NATIONAL COMPETENT AUTHORITIES CAN DEMAND MORE DETAILED REQUERIMENTS IN RELATION WITH THE IN SITU AND EX SITU CONSERVATION ACTIVITIES IN THE BREEDING PROGRAMME APPROVAL PROCESS, INTER ALIA THE INTEGRATION OF IN SITU AND

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2. WHAT IS STATED IN THE SPANISH ANIMAL BREEDING REGULATION ON THE INTEGRATION OF IN SITU AND EX SITU CONSERVATION?

ROYAL DECREE 45/2019 “Spanish Animal Breeding Regulation”.

Promotion of ex situ conservation:

- Definition of genebank.
- Highlighting the need to promote the development of genebanks per breed and sending material to the National Genebank.
- Register of genebanks in national database.
- Process for the recognition of genebanks.
- Regulation of the National Genebank.
- Regulation of Spanish Network of Genebanks, one of its function is the coordination between genebanks and breeders societies.



THE PROMOTION OF *EX SITU* CONSERVATION SUPPORT THE *IN SITU* CONSERVATION OF SPANISH BREEDS.

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2. WHAT IS STATED IN THE SPANISH ANIMAL BREEDING REGULATION ON THE INTEGRATION OF IN SITU AND EX SITU CONSERVATION?

**GUIDELINES FOR ADAPTATION TO THE NEW REQUIREMENTS SET IN THE ANIMAL BREEDING REGULATION FOR THE OFFICAL RECOGNITION OF BREEDS SOCIETIES AND BREEDING PROGRAMMES.**

The objective of the guidelines is: support breeds societies in the adaptation process to the Regulation 2016/1012 and Royal Decree 45/2019.

The breeding programme should describe in detail the *ex situ* and *in situ* activities and list the genebanks collaborating with the breeding programme.




FOR THE AUTORIZATION OF BREEDING PROGRAMMES, IS MANDATORY THE DESCRIPTION OF *IN SITU* AND *EX SITU* CONSERVATION ACTIVITIES. AS CONSEQUENCE THESE ACTIVITIES ARE UNDER THE SCOPE OF THE OFFICIAL CONTROLS.

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### 3. SOME IDEAS TO PLAN FURTHER ACTIVITIES.....

1. THE INTEGRATION OF *IN SITU* AND *EX SITU* CONSERVATION ACTIVITIES IS A PRIORITY (ACTION PLAN FOR AnGR).
2. THE BREEDING PROGRAMMES WITH CONSERVATION ACTIVITIES SHOULD DESCRIBE IN DETAIL THE *IN SITU* AND *EX SITU* CONSERVATION ACTIVITIES AND HOW BOTH ARE INTEGRATED TO REACH THE PRESERVATION OF THE BREED.
3. THE EUROPEAN REFERENCE CENTER FOR ENDANGERED BREEDS IS A KEY ACTOR AS HAS COMPETENCES TO DEVELOPED AND HARMONISED THE CONSERVATION METHODS (INTER ALIA THE INTEGRATION OF *IN SITU* AND *EX SITU*).
4. AT NATIONAL LEVEL IS POSSIBLE DEMAND TO BREEDERS SOCIETIES DEVELOPING CONSERVATION PROGRAMMES, REQUIREMENTS IN RELATION WITH INTEGRATION OF *IN SITU* AND *EX SITU* CONSERVATION ACTIVITIES.
5. TO SUPPORT THE SUITABLE INCLUSION OF THOSE ACTIVITIES IN BREEDING PROGRAMMES IS DESIRABLE RECOMMENDATIONS DEVELOPED AT EUROPEAN LEVEL (EURC + ERFP)