







### 1. OBJECTIVE (and some history) OF THE NATIONAL GENEBANK

- 2019: Update of the National Program for Conservation, Improvement and Development of the Livestock Breeds (Royal Decree 45/2019):
  - o Definition of Genebank = EUGENA definition.
  - Regulation on genebanks (Article 15): The facilities developing genebanking activities for the breeders societies must be registered by the competent authorities in ARCA: 28 facilities.



- o Regulation on National Genebank (Article 16):
  - Collection of the Ministry of Agriculture, Fisheries and Food to keep a genetic duplicate of the core collections managed by breeders societies and/or competent authorities: <a href="mailto:the National Genebank">the National Genebank</a> is a backup.



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  - o Regulation on National Genebank (Article 16):



 The storage of the material is developed in according of a Standard Operating Procedure (SOP) approved by the National Committee on AnGR.

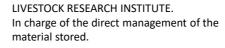


- The property and the uses of material are set down in a MAA/MTA between the breeders societies/competent authorities owners of the material and the Ministry of Agriculture, Fisheries and Food. (77 MAA/MTA signed)
- The utilization of the material stored in the National Genebank must be authorized by the National Committee on AnGR, and only in case of:



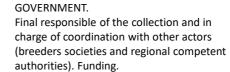
- o Rebuilding of an extinct breed.
- Support the conservation programs of endangered breed to increase the genetic diversity.
- o <u>Destruction of the origin genebank.</u>
- o Selection (again) of IMIDRA as institution managing the National Genebank.











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3. MATERIAL, BREEDS AND SPECIES STORED (April 2023).

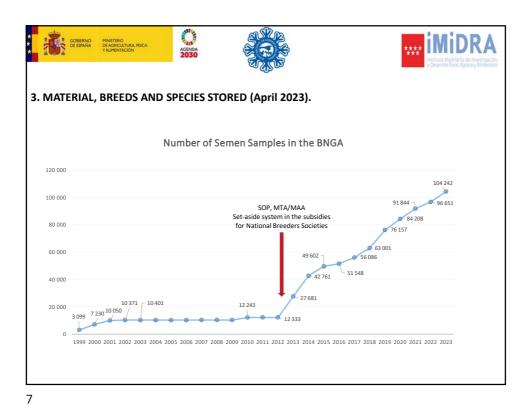
## **SEMEN SAMPLES**

SPECIES	BREEDS	DONORS	SEMEN SAMPLES
Bovine	24	647	58.458
Caprine	8	135	10.517
Ovine	23	546	33.027
Horse	4	11	290
Porcine	6	52	1.877
Poultry	2	18	73
Total		1.409	104.242



### **EMBRYOS**

	SPECIES	BREEDS	MALE DONORS	FEMALE DONORS	EMBRYOS
В	lovine	6	86	110	420











# 4. HOW EUGENA CAN SUPPORT THE NATIONAL GENEBANK?.

- Sharing experiences and best practices between the genebanks in the net.
- Promoting the ex situ conservation on AnGR across Europe, focus in the european institutions and national governments.
- As a starting point for the development of common project between the genebanks in the net, specifically relevant in case of transboundary breeds.
- As a showcase of the activities of the genebanks, and in this way highlight our work at national and international level. Those action is very relevant to maintain or increase the support of the governments to the genebank.