



European Regional Focal Point for Animal Genetic Resources




Final results Ad Hoc Action to support the development of EUGENA and improve the information about gene banks in Europe.

2nd June 2021.

**Fernando Tejerina Ampudia, PhD. Chair of the Ex situ conservation WG.
Ministry of Agriculture, Fisheries and Food of Spain**



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Ad hoc action to support the development of EUGENA, to identify candidate EUGENA gene banks, and improve the information about the gene banks in Europe.

The main objective of the Ad Hoc Action is to increase the number of member countries and gene banks enrolled in EUGENA, through a better knowledge of EUGENA between the actors involved in the management of the AnGR (Breed societies, reproduction centres, competent authorities, researchers) in the European Region.


In parallel, the activities of the Ad Hoc Action must collect the information about the facilities where the gene banks are hosted, and this information should be registered by the ERFP in a file.

The Ad Hoc Action will continue the work done within the IMAGE project “*Inventory and mapping of European animal genetic collections*”

Members of the AHA: Coralie Danchin, Delphin Duclos, Oscar Cortes, Sipke Hiemstra, Zhivko Ducheve, Manuel Luque and Fernando Tejerina.




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AD HOC ACTIONS RESULTS.

- **EUGENA FLYER.**
- **MAILING.**
- **INVENTORY OF GENE BANKS IN EUROPE.**
- **EUGENA MEMBERSHIP CERTIFICATE.**




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AD HOC ACTIONS RESULTS.

MAILING.

- ✓ ▪ National coordinators of the ERFP.
- ✓ ▪ Members of the ERFP WGs.
- ✓ ▪ **Semen collection and storage centres, embryo collection and production teams approved by the MMSS of the EU and third countries in the European Region.**
- ✓ ▪ **Breeder's societies approved by the MMSS and third countries in the European Region**
- ✓ ▪ Animal Breeding Industry: EFFAB and FABRE (for the dissemination to their members).
- ✓ ▪ NGOs in relation with conservation and sustainable use on AnGR : SAVE, RARE BREED...(for the dissemination to their members)
- ✓ ▪ Researchers: ESDAR, EAAP and AETE (for the disseminations to their members).
- ✓ ▪ Competent authorities in the zootechnical field of the MMSS, and to the European Commission.
- ✓ ▪ Participants in previous projects, as: List of Gene Banks of ERFP, Preparatory Action of the Commission, IMAGE Project, or others.




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AD HOC ACTIONS RESULTS.

MAILING.

	COUNTRY	BREEDERS SOCIETIES	REPRODUCTION INSTITUTIONS	TOTAL		COUNTRY	BREEDERS SOCIETIES	REPRODUCTION INSTITUTIONS	TOTAL
1	AUSTRIA	53	50	103	18	LATVIA	10	20	30
2	BELGIUM	41	52	93	19	LITHUANIA	18	6	24
3	BULGARIA	46	1	47	20	LUXEMBOURG	8	0	8
4	CROATIA	23	0	23	21	NETHERLANDS	64	74	138
5	CYPRUS	1	5	6	22	NORWAY	15	6	21
6	CZECH REPUBLIC	2	16	18	23	POLAND	15	65	80
7	DENMARK	12	48	60	24	PORTUGAL	51	18	69
8	ESTONIA	12	6	18	25	ROMANIA	31	74	105
9	FINLAND	5	27	32	26	RUSIA	1	0	1
10	FRANCE	39	563	602	27	SLOVAKIA	9	5	14
11	GERMANY	103	409	512	28	SLOVENIA	17	17	34
12	GREECE	37	12	49	29	SPAIN	163	249	412
13	HUNGARY	0	39	39	30	SWEDEN	26	49	75
14	ICELAND	2	2	4	31	SWITZERLAND	29	12	41
15	IRELAND	27	0	27	32	TURKEY	1	0	1
16	ISRAEL	1	0	1	33	UNITED KINGDOM	136	12	148
17	ITALY	66	119	185	34	UKRAINE	0	1	1
						TOTAL	1064	1957	3021



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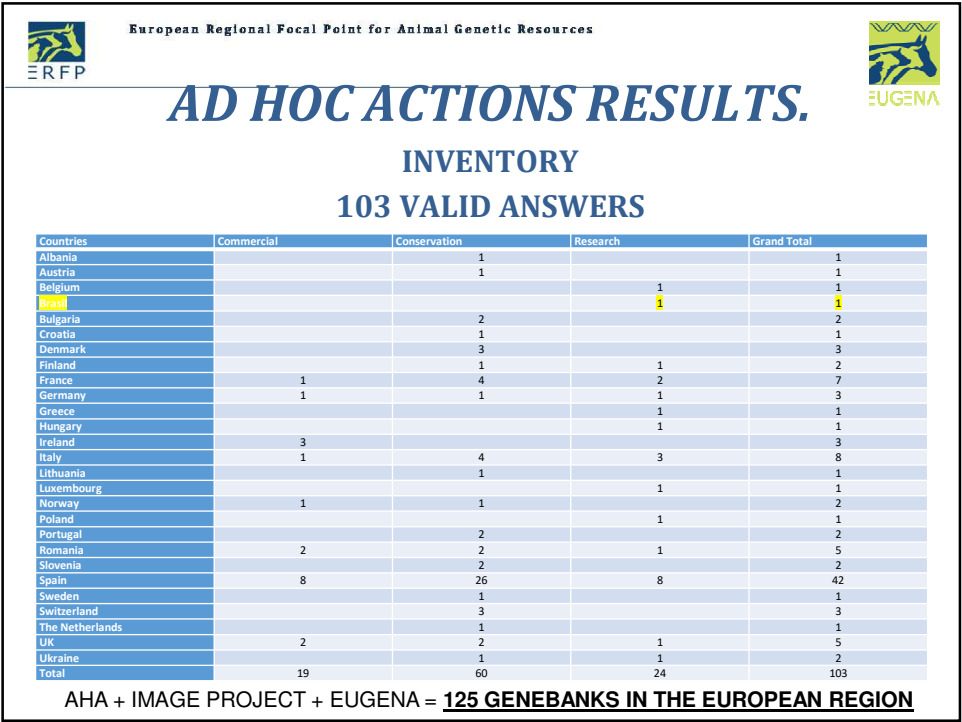


AD HOC ACTIONS RESULTS.

INVENTORY

QUESTIONNAIRE:

- **Name of the institution holding the gene bank** (mandatory).
- **Postal address** (mandatory). Fields: Address, City, Zip Code and Country.
- **E-mail address** (mandatory).
- **Species of the donors of the material stored in gene bank** (mandatory).
Multianswer question, with the next options: Cattle, Buffalo, Donkey, Goat, Horse, Pig, Rabbit, Sheep, Poultry, Water species, Fur species, Pets, Wild Species and Others.
- **Type of biological material stored** (mandatory). Multianswer question, with the next options: Semen, Embryos, Oocytes, DNA, Blood, Tissue, Hair, Feathers y Others
- **Main objective of the gene bank.** (mandatory). Multianswer question, with the next options: Conservation, Research and Commercial.
- **Web page** (no mandatory).
- **Profiles in social media** (no mandatory).
- **EUGENA encourages and promotes collaboration between genebanks, do you want to receive more information about EUGENA?**

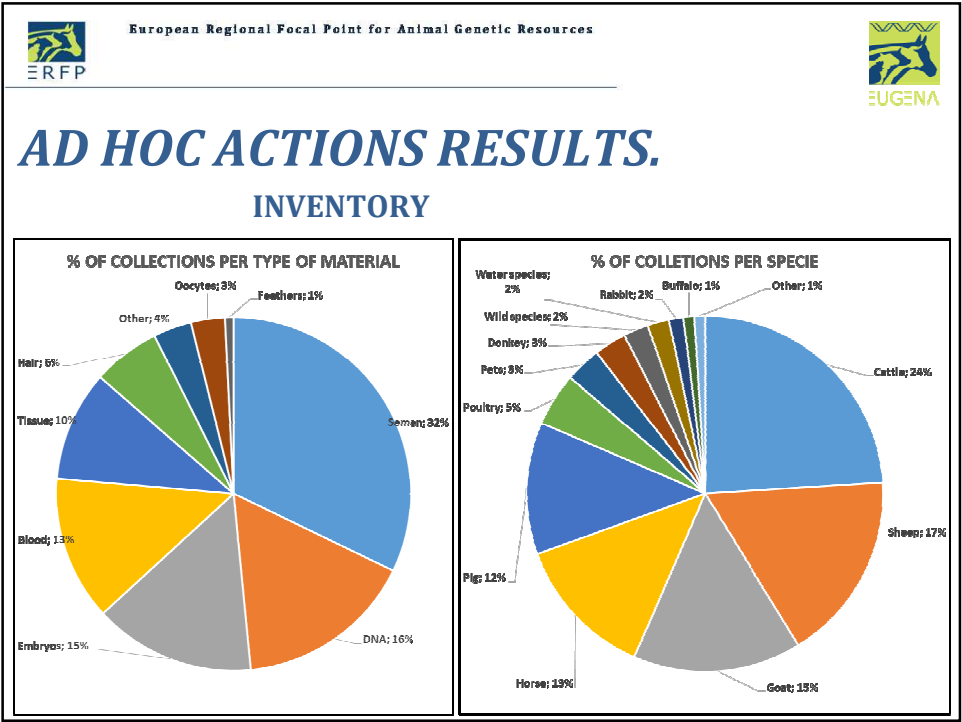


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AD HOC ACTIONS RESULTS.

INVENTORY





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AD HOC ACTIONS RESULTS.

EUGENA MEMBERSHIP CERTIFICATE.

CERTIFICATE OF MEMBERSHIP

THIS CERTIFICATE IS AWARDED TO

Centre for Genetic Resources, the Netherlands (CGN) of Wageningen University & Research

AS MEMBER OF THE EUROPEAN GENE BANK NETWORK FOR ANIMAL GENETIC RESOURCES (EUGENA)




SIPKE JOOST HIEMSTRA
Chair of the European Regional Focal Point for Animal Genetic Resources


Date:

4th March, 2021





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EUGENA

AD HOC ACTIONS RESULTS.

KEY FINDINGS:

- The knowledge about EUGENA (and ERFP) has been increased between all the stakeholders in relation with AnGR conservation and animal breeding across Europe.
- A new inventory of genebanks have been developed, enhancing the previous initiatives (Image Project). This new tool allows improve the communication with the institutions hosting genebanks and a better dissemination of the ERFP activities in relation with Ex – situ Conservation.
- A high number of institutions managing genebanks for AnGR in the European Region.
- The main purpose of the genebanks is conservation, then research and finally the commercial use of the stored material.
- Spain has the country with the highest number of recorded genebanks. Italy and France also have a relevant number of institutions holding genebanks
- Semen is the most frequent material stored, and reproductive genebanks are more spread than genomic ones, nevertheless a relevant number of genebanks have both types of material.
- The “big five” livestock species (Cattle, Sheep, Goat, Horse and Pig), are also the species with more collections. We have found a relevant number of collections of poultry and pets.

THANK YOU

FTejerina@mapa.es
Twitter: @fertej9