

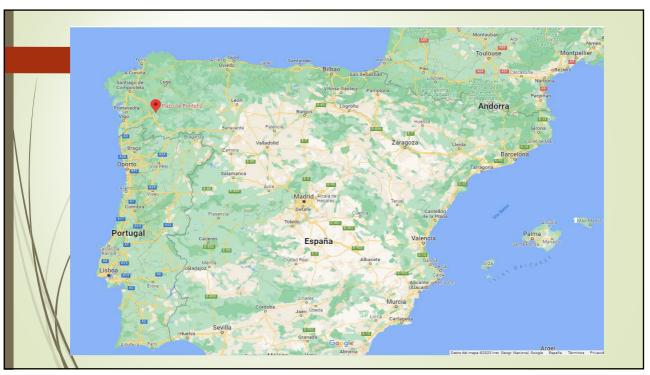


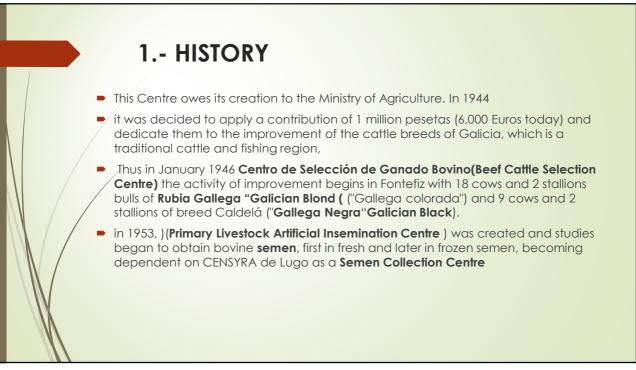


FOUNDING

- The CENTRO DE RECURSOS ZOOXENÉTICOS DE GALICIA (CRZG)-Fontefiz (GALICIAN ZOOGENETICS RESOURCES CENTER) is a Center located in the Pazo de Fontefiz, (country palace) dependent on the general direction of agriculture, livestock and agri-food policy of the Consellería do Medio Rural., of the XUNTA DE GALICIA
- It is a Pazo with an agricultural property of about 75 Hectares
- The Pazo de Fontefiz is located in the municipality of Coles, 15 km from the city of Ourense, in the autonomous community of Galicia, in the north-west of Spain, and just north of Portugal. Due to its geographical location, it is under the influence of an Atlantic climate, with not very extreme temperatures in winter, but with summer temperatures that sometimes reach 35, 36 °C.

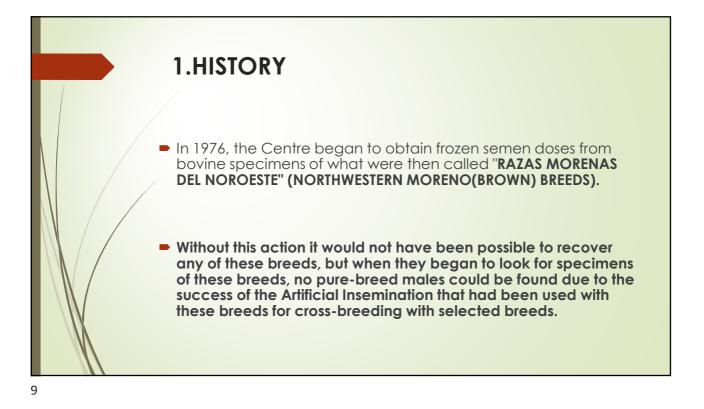












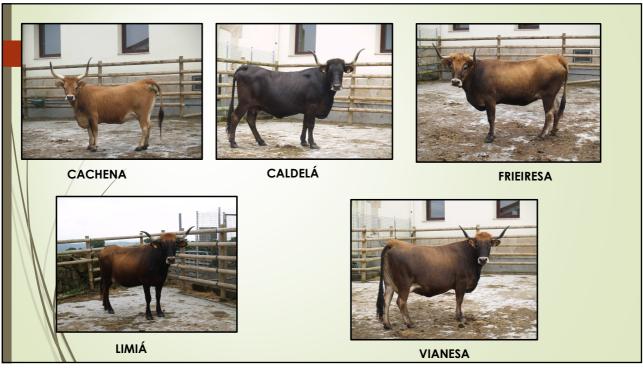


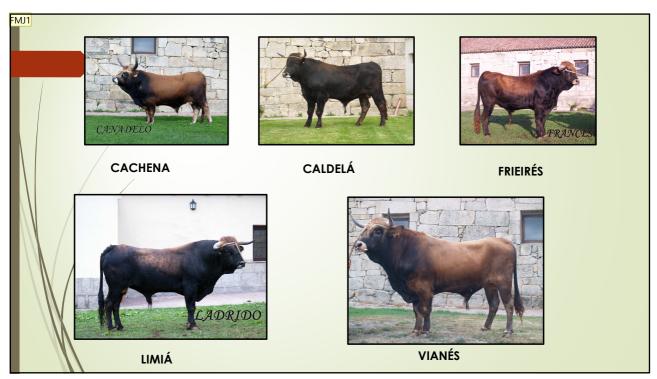




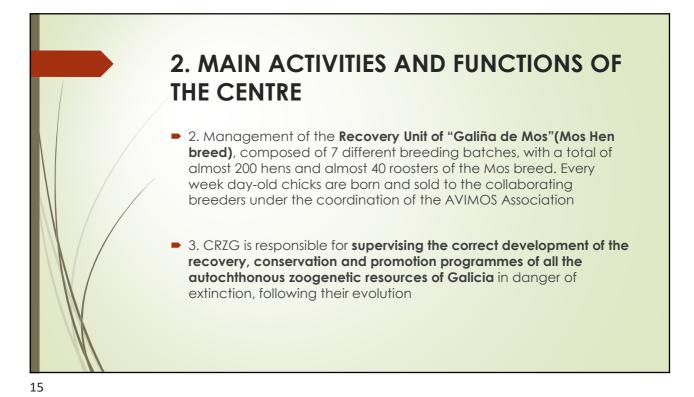
The main activities of the CRZG at present are:

1. Maintenance of the Foundational Herd of the 5 cattle breeds in danger of extinction (Cachena, Caldelá, Frieiresa, Limiá e Vianesa). Composed of 133 breeding cows and almost 76 cattle under 2 years old, (36 heifers and calves) as well as 35 bulls for the production of frozen semen. The animals, once they fulfil the breeding programme, i.e. they provide a male and a female to the offspring, together with the born males that will not be destined to the breeding farm to obtain semen, will be sold as soon as possible to the collaborating stockbreeders.





FMJ1 Feijóo Mera, Julio; 04/05/2023



2. MAIN ACTIVITIES AND FUNCTIONS OF THE CENTRE

- 4. Maintenance and increase of the Germplasm Bank, composed of almost 800 thousand doses of bovine semen, 162 bovine embryos, 4700 doses of ovine semen, 250 doses of goat semen, and almost 2800 doses of Celtic Pig, and of Galician Horse 3035 doses of semen and 10 embryos. The bovine bank is fed by bulls born in the foundational herd, which are weaned at 7-8 months of age and are subjected to a testing study until they are 14 months old. They are then subjected to the necessary health tests before entering the breeding farm, which is made up only of bulls dedicated to semen collection. Once an estimated 2,000 doses of semen have been obtained, they are sold to the farms of the breeders who collaborate with the officially recognised Breeders' Associations.
- The primary motivation for developing cryopreserved germplasm collections is to have the capacity to maintain and enhance the genetic diversity of in situ populations



3. DEVELOPMENT OF THE BANK, CIRCUMSTANCES IN WHICH WE WORK, DIFFICULTIES

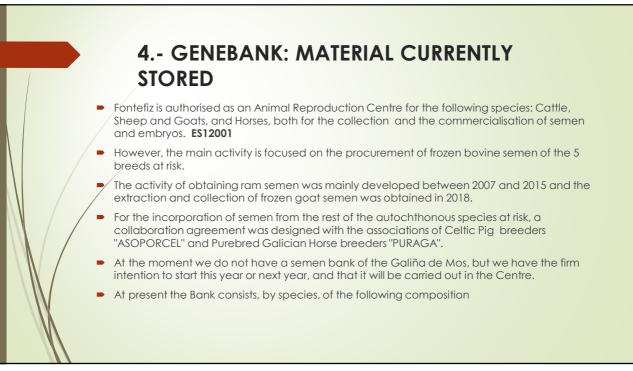
- The largest bank that we own and with which we work most assiduously is with bulls of the bovine species and born in the Center
- The semen donor bulls are all from the founding herd born in the Center déscendants of the founding bulls of each lineage according to the mating plan with crosses of minimal consanguinity. From a health and logistical point of view, this makes it much easier for us to incorporate donors into the farm authorized for reproduction.
- One of the biggest problems we are facing right now at the Center is the difficulty in carrying out a sufficient number of bull riding to obtain and process semen. The management of these animals requires trained, skilful and courageous personnel. For reasons of a bureaucratic nature, since it is a publicly owned Center, it is very difficult to replace the loss of personnel that have occurred in the last 5 years with personnel who meet these characteristics





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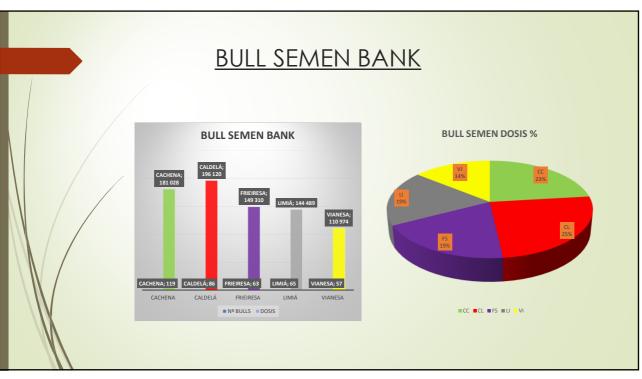
- This means that this activity can be carried out on days when, in addition to sufficient personnel, the number of perfectly trained operators for this work is present. In the case of recent years as a result of the COVID-19 pandemic, during the years 2020 and 2021 the activity was suspended. This has aggravated the delay in the departure of bulls to collaborating farms.
- In addition, we continue with very few workers in the center. Right now for us it is the biggest problem, and it has a difficult solution in the short term, even if we had a budget, finding trained personnel to be able to work according to administrative regulations will be very difficult.

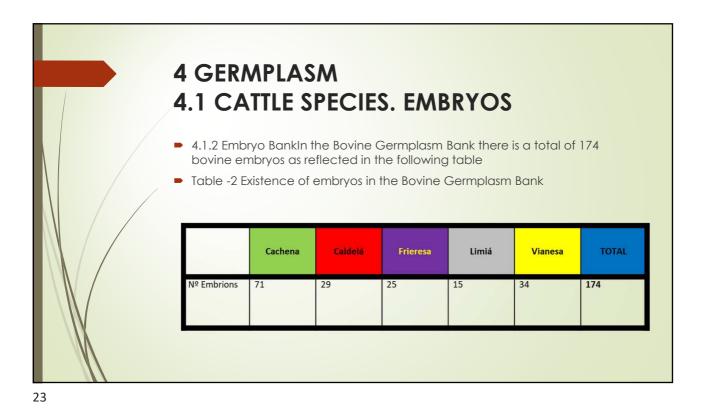


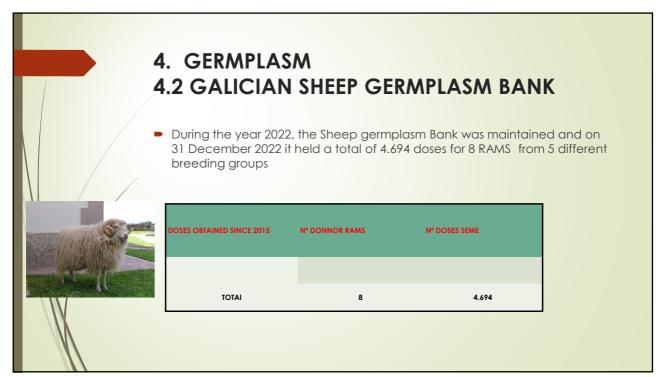


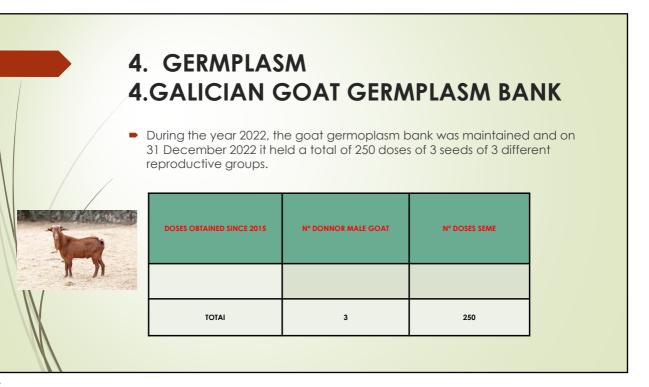


	4 GERMPLA 4.1 CATTLE	SPECIE			
BREED	DOSES STOCKED TOTAL	N [®] OF BULLS TOTAL	DONOR LINEAGES	NEWS DONORS 2022/23	OLDEST SEMEN DOSES
CACHENA	180.913	119	15	2	01/07/1983
CALDELÁ	195.925	85	11	1	13/01/1981
FRIEIRESA	149.330	63	11	1	11/02/1976
LIMIÁ	144.944	65	8	1	13/01/1981
VIANESA	110.799	56	8	1	13/08/1976
TOTAL	781.911	388	<mark>53</mark>	7	









4. GERMPLASM 4.3 CELTIC PIG GERMPLASM BANK

 In 2012 and as a result of a research project in which the Centre collaborated with Asoporcel and Inorde, together with the Faculty of Veterinary Medicine of Lugo, a small Pig Germplasm Bank was created with a total of 2,791 doses of porcine semen from 5 different boars, which are deposited at the Centre.

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	DOSES

DOSES OBTAINED SINCE 2015	N° DONNOR BOAR	N° DOSES SEME	
ΤΟΤΑΙ	5	2,791	



	4. GERMPLASM 4.4 EQUINE GERMPLASM BANK					
	DOSES OBTAINED SINCE 2	015 N° DONNOR S	STALLION	N° DOSES SEME		
	ΤΟΤΑΙ	13		3,035		
	EMBRYOS OBTAINED SINCE 2017	DONOR		N° HORSE EMBRYOS		
N/	TOTAL	MALE FEMALE	10	0		

