

## Organization and coordination in France in the field of ex situ conservation to enrich the French National Cryobank collections



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## Why a National Cryobank in France ?

- France signs the Convention on Biological Diversity in 1992
  - ✓ Commitment to preserve its domestic species genetic variability on a long term basis
  - ✓ Cryoconservation (i.e. storing biological material in liquid nitrogen) seems an adequate tool for such purpose
- Creation of the French National Cryobank in 1999 to store reproductive material of all species/breeds in France



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## 12 partners involved in the Group Council



Funder



Research



Federations



Technical institutes



Storage (sanitary status)

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## Roles of the National Cryobank

- **Ensuring the rationalisation and financement** of an important part of cryopreserved reproductive genetic material collections as a **core collection**
- Gathering a wide array of representants of different domains and species to be able to get the information and the good contact for **coordinating the different actions** concerning cryoconservation

=> CRB-Anim was a good example of that synergy : increase in the diversity of the material stored in number of species represented and diversity inside the species



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## A future strategic plan for cryopreservation

To pursue the enrichment in cryopreserved reproductive material, the Ministry of Agriculture asked to the National Cryobank to write a strategic plan for cryopreservation:

- to have an **inventory of the situation**, particularly, which breed have theoretically sufficient material to be reconstituted according to the species
- underline what is currently **missing** in the stocks
- **prioritise** future collections.

How will the new collections be financed ?



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## How to become an inseminator in France ?



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## 2 main training courses

**Certificate of aptitude for insemination technician functions (CAITF)**



- Certificate of aptitude for the functions of equine inseminator (insemination licence)  
- Certificate of aptitude for the functions of equine centre manager



To obtain CAITF : a theoretical and a practical part

- Carry out the act of insemination while respecting animal welfare, hygiene and safety rules and regulations
- Manage the semen deposit in compliance with regulations and hygiene rules.

=> 2 centers in France offer training to prepare for this exam



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## Insemination with cryopreserved semen

- Training courses **do not exist for the other species** and persons able to make insemination have to learn by themselves or with the help of experienced people (for example for poultry or pig)
- Even for sheep : as inseminations are routinely made with fresh semen, it is very **difficult to find someone able to do it with cryopreserved material**

⇒ Could be an important issue for the future use of material stored



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