

# CRYOARKS

## ANIMAL BIOBANKING FOR RESEARCH AND CONSERVATION

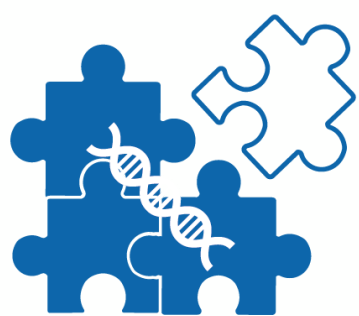
### WHO?

A UK network of institutions that maintain frozen collections of animal genetic material for use by the UK's research and conservation community.



### WHY?

- Increasing extinction rates at breed, population and species levels mean that samples are becoming more valuable in real time
- There is a clear need to improve sample visibility and accessibility in order to make better use of the UK's existing collections
- CryoArks was developed to address the need to provide a sustainable resource of samples for genetics and genomics research on animal species



GAPS



SAMPLING



SEARCH



REQUEST



CONTRIBUTE

### HOW?

CryoArks partners have the capacity to store cells, tissues, blood, gametes and DNA samples, at  $-80^{\circ}\text{C}$  and  $-196^{\circ}\text{C}$ , from endangered species, livestock breeds and other wildlife, but can also accept and/or advise on the storage of other types of samples.

CryoArks aims to:

1. Create the first comprehensive national zoological biobank in the UK
2. Bring together the diverse collections of animal frozen material found across the UK, both physically and digitally
3. Make these samples accessible via a web portal for responsible and sustainable use to further research knowledge and contribute to biodiversity conservation efforts



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