



European Project n° 677353

# Innovative Management of Animal Genetic resources

<http://www.imageh2020.eu/>

Innovations and ethical issues for the  
cryoconservation of animal genetic  
resources



European Project n° 677353

# OBJECTIVES

- to enhance the use of genetic collections
- to upgrade animal gene bank management
- to demonstrate the benefits brought by gene banks:
  - To minimise genetic accidents
  - To allow the livestock sector to respond to new environmental constraints and market needs



European Project n° 677353

# APPROACHES

- Stakeholder Involvement from the beginning on: Dialogue Forum (24. August, Zagreb, Topic: Economics of conservation)
- Improving the reproductive quality of the gene bank samples and their 'usability' on the field
- Improving the connection between gene bank managers
- Assessing the potential of genetic diversity present in genetic collections, by genomics and data integration
- Facilitating access to information and resources
- Developing and testing strategies and scenarios to facilitate the use of this diversity and to enhance synergy between gene banks and on-farm management of genetic resources
- Increasing awareness about the value of gene banks



European Project n° 677353

# ACHIEVEMENTS

- Meeting point at the dialogue forum
- Surveys on gene banks : completed for gene bank operations, in progress for expectations regarding the sociological analysis of innovation challenges
- Diagnostic tool for quality management of gene banks tested
- Realisation of reproductive biotechnologies experiments
- Mapping of available molecular data on gene bank collections
- Sampling strategy for sequencing, sequencing done for cattle
- Model for data integration for the IMAGE portal / Biosamples of EBI
- Initiated introgression project in chickens
- Communication tools: web site, logo, flyer newsletter
- Calendar of training events set up with third countries

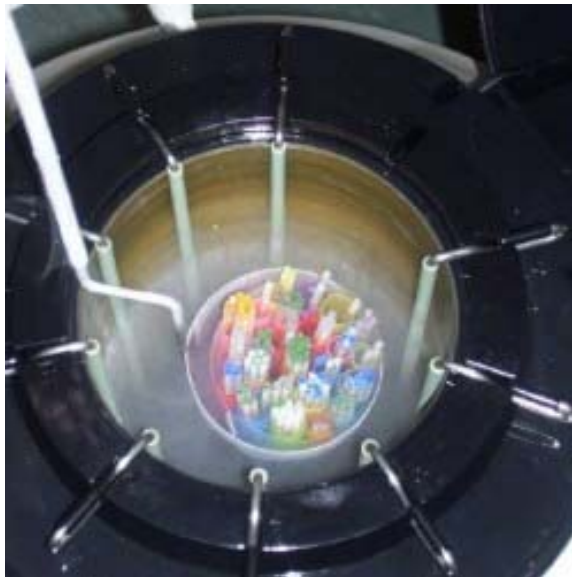




European Project n° 677353

# ETHICS

- Important H2020 requirement
- For the exchange of material and the laboratory experimental work







European Project n° 677353

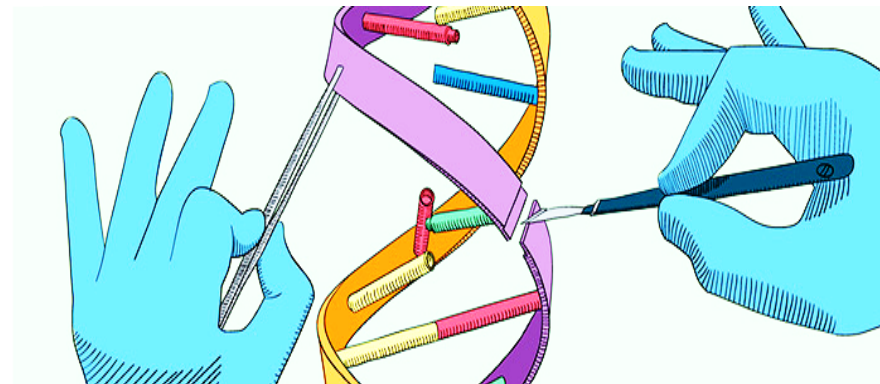
- General questions on Conservation: what are the criteria
- Cryconservation Methods
  - Invasiveness





European Project n° 677353

- General questions on Conservation: what are the criteria
- Conservation Methods
  - Invasiveness
  - **Technologies**







European Project n° 677353

# SURVEY

- To get the opinion of a range of stakeholders
- Anonymus survey, no personal data
- Report will be available on the web: [www.imageh2020.eu](http://www.imageh2020.eu)

## Please fill in the survey now



European Project n° 677353

**THANK YOU SO MUCH  
FOR YOUR  
VALUABLE COOPERATION**