



## Guidelines in situ conservation of transboundary breeds


Task 2 ERFP working group in situ  
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## Current FAO In Vivo Guidelines

- Transboundary breeds merely mentioned
  - Definitions
    - Local: in one country
    - Transboundary: more than 1 country
      - Regional
      - International
  - Priority should be given to local breeds
  - International cooperation needed for transboundary breeds
- Lack of detail on how to deal with and/or how to conserve transboundary breeds

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## Draft content guidelines

- Intro
  - Background
  - Definitions
- Political and legal issues
- Monitoring and characterization
- Organization and breeding
- Conservation
- Case studies

## Political and legal issues

- National policy
- Legislation
  - Movement
  - Animal health
  - Zootechnical
  - ABS
- Funding
- ...

## Monitoring and characterization of breeds

- One or more breeds?
- Recording of pedigree (Id), numbers/population size and exchange across borders
- Characterization
  - Production levels and other traits
  - Estimation of breeding values
  - Inbreeding and relatedness
  - Molecular characterization
- ...



## Organization and breeding

- Stakeholders
- Transboundary breeding
  - One or more breeding programmes
  - Who is (or are?) in the lead
- How to motivate collaboration
- Minimise loss of diversity and inbreeding
- Use of genomics
- ...



## Conservation

- National gene banks
  - Core collection
- Influence of exchange on genetic diversity
- Role of Ark Farms and Rescue Centres
- ....

## Coming year(s)

| Task                                | NL |
|-------------------------------------|----|
| Intro: definitions and Background   |    |
| Political, legal, veterinary issues |    |
| Characterization                    |    |
| Organization and breeding           |    |
| Conservation                        |    |
| Case studies                        |    |

## Discussion points

- Points not covered?
- Case studies?
  - What type, which questions?
- Who is going to do what task(s)?
- Links to other ERFP Working Groups
  - Documentation
  - Ex Situ

