

European Regional Focal Point for Animal Genetic Resources

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Background

AnGR strategy

Development of sustainable breeding programmes for **local breeds** aiming to improve performances maintaining the rusticity and resilience of the breeds

- => ERFP scope
- Regulation (EU) 2016/1012

Breed societies of endangered breeds are responsible for the development and implementation of breeding programmes

=> EURC EAB scope





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Objectives

Provide (self assessment) tools to assess the effectiveness of the breeding (and conservation) programmes of **local breeds** in Europe

- Setting of breeding goals,
- Management of genetic diversity,
- Agro-ecological principles?

The AHA contributes to ERFP goals

by supporting national capacities for the management of AnGR

- Links with the EURC-EAB goals (endangered breeds)

Cooperation of ERFP and EURC-EAB



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Reviewing breeding programme (endangered breeds)

From EURC-EAB work programme (deadline 31-12-2024)

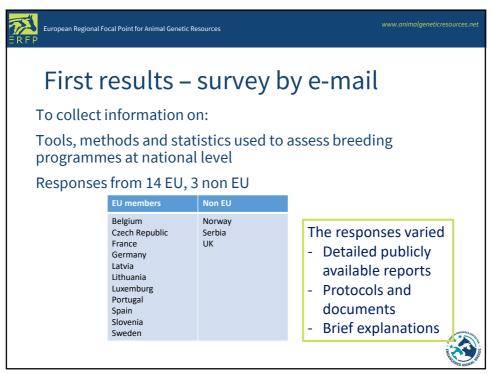
- Sub-activity 2.1
 - Harmonise methodology and framework to assess breeding programmes and in situ conservation of endangered breeds
- Expected output
 - Guidelines and (self)assessment tool to evaluate breeding programmes
 - For breed societies, third parties and competent authorities
- · Underlying objective
 - Support the preservation of endangered breeds, and the preservation of the genetic diversity existing within those breeds







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First results - survey by e-mail

- Animal Breeding Regulation + national legislation
- No specific indicators BP are monitored and evaluated on each own goals
- · Some indicators used or suggested
 - Annual Inventory / population numbers
 - Effective population size
 - Genetic diversity (endangered breeds)
 - · Performance tests BV estimation
- · Other suggestions
 - · Promotion activities
 - · Breed sustainability
 - · R&D activities

The responses varied in level of details and depth of assessment



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Review to assess breeding programmes (for endangered breeds)

What: Assess the effectiveness, quality and sustainability of breeding programmes

Input:

- Survey ERFP
- Existing protocols and examples (e.g. Spanish protocol)

Action:

Discussion (on-line) meeting AHA members + EURC EAB experts





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Setting up the guidelines for evaluation of breeding programmes Qualitative

What: translation of review into guidelines to evaluate breeding programmes

Input: Review of step 1

- Identification of key components
- Methods of evaluating key components with indicators
- Evaluation template(s)

Action: Writing guidelines by EURC EAB experts + AHA members



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Development (self) assessment tool Quantitative

What: Guidelines translated into an (self) assessment to 0l for breed societies, national competent authorities

Input: results of step 2

- Methods of weighting indicators
- Summary of strengths / weaknesses (or risk scores)

Action (>2024): Development of (self) assessment tool EURC

EAB experts + AHA members

