

*ERFP WG's meeting, Nicosia, Cyprus, 23-24.04.2024.*



**Analyze Questionnaire - How in situ conservation of AnGR is understood in different European countries**

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**In situ conservation WG-Task: How in situ conservation of Animal Genetic Resources is understood in different European countries**

- An invitation to fill in the questionnaire was sent to members of the ERFP WGs and National Coordinators
- The No of people who participated in the survey, **n = 31**
- No of completed questionnaires, **n = 22**
- No of partially completed questionnaires, **n = 9**

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### Q1 - Does your country have a National Strategy for AnGR conservation?

| Answers | n  | Percentage |
|---------|----|------------|
| YES     | 16 | 52%        |
| NO      | 12 | 39%        |
| Total   | 28 | 91%        |

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### Q2 - Does the National Strategy also includes Action Plan?

| Answers | n  |
|---------|----|
| YES     | 11 |
| NO      | 4  |
| Total   | 15 |

### Q3 - Does the Action Plan comply with the FAO Global Plan of Action?

| Answers | n  |
|---------|----|
| YES     | 10 |
| NO      | 0  |
| Total   | 10 |

Q4 - If NO, why not what are the reasons? Please explain:

Q5 - What are the differences between GPA and your Action Plan? Please explain: 0

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**Q6 - Does your country have any other documents (which are not National Strategy), which can be considered as AnGR conservation programme? (additional to or substituting the programme)**

| Answers | n  |
|---------|----|
| YES     | 22 |
| NO      | 8  |
| Total   | 30 |

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**Q7 - What kind of document (please describe):**

|   |    |
|---|----|
| Conservation measures – Law, Rule book or RDP | 5  |
| Conservation programme                        | 5  |
| NS plan or legislation in Animal Breeding     | 2  |
| NS in Agriculture and RD                      | 2  |
| Conservation plans for individual breeds      | 1  |
| Action plan                                   | 1  |
| Previous strategies ???                       | 1  |
| Total answers                                 | 17 |

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**Q8 - Does any of the previously described documents (National Strategy or programme) explain or define the term in situ conservation?**

| Answers | n  |
|---------|----|
| YES     | 21 |
| NO      | 6  |
| Total   | 27 |

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**Q9 - If YES, how is term in situ conservation explained or defined?**

|   |           |
|---|-----------|
| Conservation of AnGR in the environment where they were developed (traditional env., natural env., local env.,) | 9         |
| Agricultural livestock in farm breeding   | 1         |
| Maintaining farm animal breeds at risk on commercial farms or smallholdings                                     | 1         |
| Animals kept for production and the breeds are sustainable, financially, in the long run                        | 1         |
| Conservation of farm animals of live national populations   | 1         |
| No official definition  | 2         |
| <b>Total answers</b>  | <b>15</b> |

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**Q10 - If in situ conservation is part of the National Strategy or programme, which breeds are included in the "in situ" conservation population in your country?**

|  |           |
|--|-----------|
| <b>Locally Adapted Breeds (Autochthonous, Native)</b>                              | <b>13</b> |
| All breeds, main focus on endangered LAB (Autochthonous)                           | 2         |
| Breeds which are at risk status  | 2         |
| Breeds which are included in the breeding programme and receive subsidies from RDP | 1         |
| Different for different species  | 1         |
| No relevant answer   | 1         |
| <b>Total answers</b>   | <b>20</b> |

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**Q11 - More specifically which animals can be considered as the "in situ" population:**

|  |           |
|--|-----------|
| <b>Q11a-All animals included in the Breeding Programme</b>   | <b>13</b> |
| Q11b-All animals included in the Rural Development Programme | 7         |
| Q11c-Whole existing population                               | 2         |
| Q11d-Other, please describe:                                 | 8         |
| <b>Total answers</b>   | <b>30</b> |
| <b>Q11d - (Other, please describe:)</b>                      |           |
| <b>Locally Adapted Breeds (Autochthonous)</b>                | <b>3</b>  |
| All animals considered as being part of a breed              | 1         |
| Different for different species                              | 1         |
| All animals under protection programmes which have subsidies | 1         |
| No relevant answer   | 1         |
| <b>Total answers</b>   | <b>7</b>  |

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**Q12 - What are the main goals of AnGR conservation programme?**

|  |           |
|--|-----------|
| Promotion and conservation of LAB, monitoring of the endangerment status and preservation of genetic diversity   | 14        |
| Characterization, history, current status, population size, inbreeding level and genetic diversity, recording information, breeds value-heritage, research, uniqueness of the products, etc. | 2         |
| Keeping the breeds in their traditional production environment   | 1         |
| Feeding the future population sustainably, adapting to climate change, sustainable use of genetic resources  | 1         |
| Support in-situ, management genebank, research, continuously improving cryo-conservation methods, monitoring risk status   | 1         |
| Preserve the breeds from extinction, maintain within-breed genetic variation, develop breeds and utilize them in agriculture following the practices of sustainable development              | 1         |
| <b>Total answers</b>   | <b>20</b> |

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**Q13 - What are the priorities of AnGR conservation programme?**

|  |           |
|--|-----------|
| <b>Conservation</b>                                    | <b>12</b> |
| Increasing of population size                          | 6         |
| Sustainable use and breeding development               | 6         |
| Characterization                                       | 5         |
| Monitoring and documentation                           | 4         |
| Maintaining of genetic diversity and genetic variation | 3         |
| Increasing of public awareness                         | 2         |
| Education and research                                 | 2         |
| Minimize inbreeding                                    | 1         |
| Adapting to climate change                             | 1         |
| Use endangered breed in ecosystem services             | 1         |
| Social and cultural integration                        | 1         |
| Increasing of added value                              | 1         |

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**Q14 - Does your country have any in situ conservation initiatives or networks? (like ark farms or any other means of conservation)**

| Answers | n  |
|---------|----|
| YES     | 18 |
| NO      | 4  |
| Total   | 22 |

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**Q15 - If YES, which initiatives or networks (name them or describe):**

|   |   |
|---|---|
| Ark farms                                   | 5 |
| Breeding LAB in science institutions        | 5 |
| NGO`s                                       | 4 |
| Breeding organizations/associations         | 3 |
| Support from the Ministry                   | 2 |
| National parks                              | 1 |
| Comittee for livestock                      | 1 |
| Individual initiatives                      | 1 |
| Breeding LAB in adaptabled local conditions | 1 |

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## Q16 - Does your country have any specific landscape management activities with local breeds?

| Answers | n  |
|---------|----|
| YES     | 11 |
| NO      | 10 |
| Total   | 21 |

Q18 - How many breeds do you considered to be included in the in situ conservation in your country today?

- The answers are different depending on the country, but it is characteristic that the main aspect is on LAB

Q17, Q19 – Link and contact informations

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## Conclusions:

1. In the survey participated members of the WG`s and NC`s, there is a possibility that we have overlapping answers if there were several participants from one country in the survey;
2. Some countries have NS for AnGR although we do not have an officially approved strategy in Europe - they developed their own strategies;
3. Some countries have any other documents as AnGR conservation programme
  - the lack of strategy did not prevent the conservation of AnGR
  - most often these other documents are RD measures, conservation programs or animal breeding plans and programs;
4. Some countries still do not have an explanation for the term In situ conservation - I assume that these are countries that do not have NS or any other document that defines AnGR conservation;

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## Conclusions:

5. Usually, locally adapted breeds are included in the in situ conservation programme;
6. The main goals of AnGR conservation programme
  - conservation of LAB,
  - monitoring of the endangerment status,
  - preservation of genetic diversity;
7. The main priorities of AnGR conservation programme
  - conservation,
  - increasing of population size,
  - sustainable use and breeding development;
8. Some countries have in situ conservation initiatives or networks
  - ark farms,
  - breeding LAB in science institutions,
  - NGO s;

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## Conclusions:

9. Landscape management activities with local breeds -very important;
10. Did the questionnaire live up to expectations?
  - discussion
11. What next with the results of this survey?
  - discussion

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