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Overview

- The 13th Session of the ITWG on Animal Genetic Resources for Food and Agriculture and NCs' Workshop (ITWG-AnGR) & The 20th Session of the Commission on Genetic Resources for Food & Agriculture (CGRFA)
- Workshops 2024&2025
- Preparation of the 3rd Report on the State of the World's Animal Genetic Resources for Food and Agriculture (SoW#3)
- Call for action

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13th Session of the ITWG on Animal Genetic Resources for Food and Agriculture

- Held 20-22 November 2023 in person
- Main topics:
 - Status of Implementation of the GPA-AnGR
 - Monitoring the diversity of AnGR
 - Preparation of The Third Report on the State of the World's Animal Genetic Resources for Food and Agriculture
- All documents and report available at <https://www.fao.org/animal-genetics/events/events-detail/en/c/1697147/>
- ITWG provides advise/recommendations to CGRFA

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20th Session of the CGRFA

- Held 24-28 March 2025 in person
- Main topics:
 - Cross-sectorial matters (e.g. related to climate change, ABS)
 - Biodiversity for Food and Agriculture
 - Genetic Resources for Food and Agriculture (including aquatic, animal, microorganisms & invertebrate, plant, forest GR)
- All documents and report available at <https://www.fao.org/cgrfa/cgrfa-20/en>
- CGRFA makes recommendations to FAO and requests to the secretariats of ITWG or CCRFA

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Main outcomes/recommendations for AnGR

- Detailed overview on FAO activities in the respective documents
- Recommendations:
 - that FAO continue to **support countries in implementing the Global Plan of Action**
 - that FAO continue to provide support to **maintain and further develop DAD-IS** & to develop a **new index** combining existing information in DAD-IS on cryoconserved material, demographic risk status and existence of breeding and in situ conservation programmes

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Main outcomes/recommendations for AnGR

The CGRFA

- **encouraged countries** to continue collecting information and data ...and invited countries to update or complete their country report questionnaires by **31 May 2025**.
- recommended that FAO publish online for review by Members draft elements of the Third Report.
- invited countries to provide support and expertise for the preparation and review of the Third Report and invited donors to provide extra budgetary resources to support the finalization of the Third Report

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|---|-------------------------|----------|---|
| NCs' Workshops - 2024 | | | |
| Title | Dates | Location | Participants |
| African workshop on the reporting process for the Third Report (two sessions) | February and March 2024 | Virtual | Around 20 participants |
| Regional capacity building workshop for preparation of questionnaires for the Third Report (Americas) | April 2024 | Panama | Argentina, Brazil, Colombia, Costa Rica, Cuba, Dominican Republic, Guatemala, Mexico, Nicaragua, Panama, Paraguay, Peru, Saint Lucia, Uruguay |
| Regional capacity building workshop for preparation of questionnaires for the Third Report (Europe and the Near East, jointly organized by FAO, EAAP and ERFP) and ERFP working group meetings (organized by ERFP) | April 2024 | Cyprus | Europe: No list provided. Open to Members of the ERFP (about 20 countries). Near East:-Iran (Islamic Republic of), Jordan, Lebanon, Palestine, Qatar, Uzbekistan |

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|---|-----------|----------|---|
| NCs' Workshops - 2024 | | | |
| Title | Dates | Location | Participants |
| Regional capacity building workshop for preparation of questionnaires for the Third Report (Africa) | May 2024 | Kenya | Botswana, Côte d'Ivoire, Democratic Republic of the Congo, Eswatini, Ethiopia, Guinea, Guinea-Bissau, Ghana, Kenya, Malawi, Mozambique, Mauritius, Mali, Namibia, Rwanda, South Africa, Togo, Uganda, United Republic of Tanzania, Zimbabwe |
| Regional capacity building workshop for preparation of questionnaires for the Third Report (Asia) | June 2024 | Malaysia | Bhutan, Cook Islands, Malaysia, Mongolia, Pakistan, Philippines, Sri Lanka, Thailand, Tonga, Viet Nam |
| Second global workshop on the reporting process for the Third Report | June 2024 | Virtual | 65 countries registered |

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NCs' Workshops - 2025

| Title | Dates | Location | Participants |
|---|-------------------------|------------|-----------------|
| National Coordinators' Workshop on the cattle breed identification tool development process, and build capacity on the reporting process on the State of the World's Animal Genetic Resources | February 2025 | Virtual | 48 participants |
| DAD-IS training Workshop: What is new in DAD-IS and how to enter data as NC? | April 2025 | Virtual | 40 participants |
| <i>More to come</i> | <i>Second half 2025</i> | <i>TBD</i> | <i>...</i> |


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Status of preparation of *The Third Report on the State of the World's Animal Genetic Resources for Food and Agriculture*

CGRFA-20/25/7.3


CGRFA-20/25/7.3/Inf.1-4

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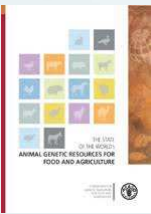


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Twentieth Regular Session
24–28 March 2025

Introduction

- The **First Report on The State of the World's Animal Genetic Resources for Food and Agriculture (SoW)** was **published in 2006**, back-to-back with the Global Plan of Action (GPA) on Animal Genetic Resources
- In 2016, publication of the **Second report**
- At its Nineteenth Regular Session in 2023, the Commission endorsed the proposed outline, process, questionnaire and timeline for the **preparation of the Third Report**






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Preparatory process

- Country reporting with two main sections
 - State of the world specific section
 - Synthesis progress report on the GPA implementation (4th round of review)
- International organization and regional focal points reporting
- DAD-IS
- Thematic studies



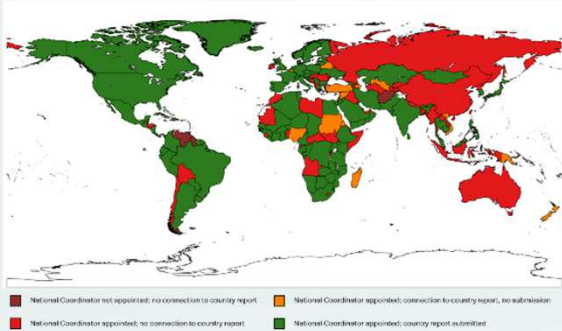
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Map showing which countries have a National Coordinator for the Management of Animal Genetic Resources (as of 2 August 2024) and which connected to or submitted country reports


The boundaries and names shown and the designations used on the map(s) in this document do not imply the expression of any opinion whatsoever on the part of FAO concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers and boundaries. Dashed lines on maps represent approximate border lines for which there may not yet be full agreement.

Country reports

Report is based on data collected via a process re-endorsed by the Commission’s 19th session

- Countries invited on 12 October 2024 to undertake the **reporting process**
- **6 virtual and 4 in-person training events**
 - Panama, **Cyprus**, Kenya and Malaysia, with support from **Germany**
- **104 countries** submitted questionnaires by August 2024
 - 18 other countries connected (including 2 submissions since August)
 - **Coverage similar to 2020**, with more reporting from Near and Middle East and less from Southwest Pacific

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Preliminary results of synthesis progress report – Regional summary

| Region | SPA 1 Character- ization | SPA 2 Sustainable use | SPA 3 Conservation | SPA 4 Policies, institutions | Collaboration | Funding |
|---------------------------------|--------------------------------|-----------------------------|-----------------------|------------------------------------|---------------|---------|
| Africa | 0.83 | 0.87 | 0.63 | 1.06 | 0.66 | 0.32 |
| Asia | 1.11 | 1.17 | 0.98 | 1.17 | 0.53 | 0.36 |
| Europe and the Caucasus | 1.50 | 1.38 | 1.22 | 1.48 | 1.01 | 0.51 |
| Latin America and the Caribbean | 0.94 | 0.92 | 0.61 | 0.91 | 0.55 | 0.42 |
| Near and Middle East | 0.91 | 0.71 | 0.67 | 0.81 | 0.53 | 0.42 |
| North America | 1.79 | 1.43 | 1.68 | 1.50 | 0.63 | 0.33 |
| Southwest Pacific | 0.25 | 0.10 | 0.18 | 0.04 | 0.13 | 0.33 |
| World | 1.09 | 1.05 | 0.86 | 1.14 | 0.71 | 0.40 |

| Scores for colour class | Indicator colour | Indicator level |
|----------------------------|---------------------|-----------------|
| 0.00 – 0.25 | | Low |
| >0.25 – 0.50 | | Low |
| >0.50 – 0.75 | | Low |
| >0.75 – 1.00 | | Medium |
| >1.00 – 1.25 | | Medium |
| >1.25 – 1.50 | | High |
| >1.50 – 1.75 | | High |
| >1.75 – 2.00 | | High |

- **All four SPAs** of the Global Plan of Action show a **medium level of implementation**, with lower level for Conservation (SPA3)
- Collaboration and Funding show a low level of implementation
- North America and Europe and the Caucasus report higher level of implementation, Southwest Pacific report lower level

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Preliminary results of synthesis progress report – Trend

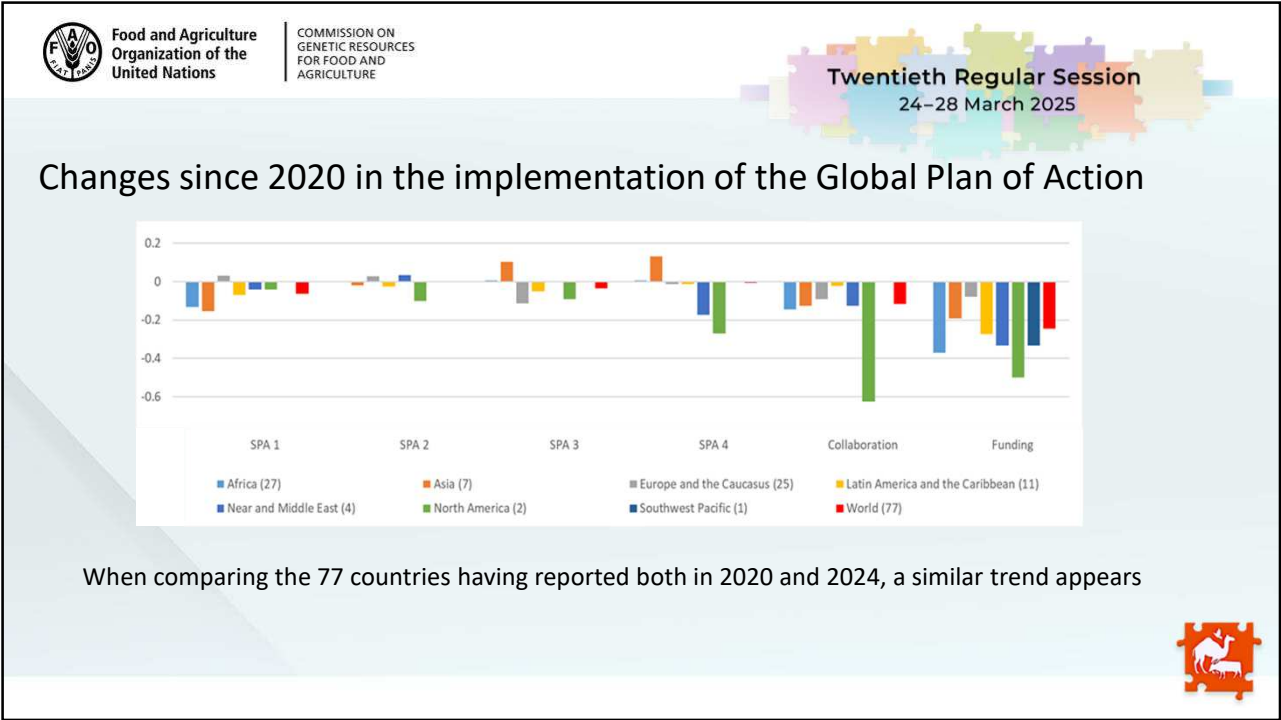
| Reference in the Global Plan of Action | Indicator colour and average score | | | |
|---|---------------------------------------|------|------|------|
| | 2012 | 2014 | 2020 | 2024 |
| SPA 1 Characterization | 1.11 | 0.98 | 1.16 | 1.09 |
| SPA 2 Sustainable use | 1.04 | 0.89 | 1.08 | 1.05 |
| SPA 3 Conservation | 1.01 | 0.78 | 0.92 | 0.86 |
| SPA 4 Policies, institutions | 0.98 | 0.95 | 1.16 | 1.14 |
| Collaboration | 0.53 | 0.54 | 0.76 | 0.71 |
| Funding | 0.32 | 0.53 | 0.59 | 0.40 |

| Scores for colour class | Indicator colour | Indicator level |
|----------------------------|---------------------|-----------------|
| 0.00 – 0.25 | | Low |
| >0.25 – 0.50 | | Low |
| >0.50 – 0.75 | | Low |
| >0.75 – 1.00 | | Medium |
| >1.00 – 1.25 | | Medium |
| >1.25 – 1.50 | | High |
| >1.50 – 1.75 | | High |
| >1.75 – 2.00 | | High |

- Since 2020, all areas show **stagnation if not deterioration** in their implementation
- **Funding** for implementation is reported to **have decreased** particularly sharply



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International organizations and regional focal points

- As of 15 August 2024, **eleven international organizations** reported on their activities
- As of 20 August 2024, the **regional focal points for Africa, Europe and Latin America and the Caribbean** completed their submissions



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Thematic studies on special topics

- The Commission approved the coverage of “special topics”, including:
 - (i) vulnerability of animal genetic resources in the face of **climate change and the role of genetic diversity in adaptation and resilience**
 - (ii) establishment and scaling-up of **breeding programmes in challenging environments**
 - (iii) **genomic measures of genetic variation** and the **future of the breed concept**.
- The Working Group also suggested addressing the topics of **gene editing and other emerging technologies**, if possible
- These studies are at various stages of development and will be made available online for commenting by countries (see call for action)



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Updated Timeline

| Activity | 2025 | | | | | | | | | | | | 2026 | | | | | | | | | | | | 2027 | | | | | |
|--|------|---|---|---|---|---|---|---|---|----|----|----|------|---|---|---|---|---|---|---|---|----|----|----|------|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 5 | 5 | 6 |
| Mobilize funding | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Review of draft special topic studies | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Submit/update questionnaires | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Update data in DAD-IS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Export DAD-IS data for Third Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Provide comments on draft Third Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Provide comments on revised draft Third Report | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presentation to ITWG-AnGR-14 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Presentation to CGRFA-21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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Call for action - 2025

- By 31 May:
 - Please provide submit/update your country questionnaire
 - Please update your DAD-IS (and beyond 31 May...)
- By 30 June:
 - Please review draft special topics available at <https://www.fao.org/cgrfa/meetings/detail/twentieth-regular-session/en>
 - Draft study on the establishing and scaling-up of breeding programmes in challenging environments
 - Draft study on genomic assessment of genetic variation and the future of the breed concept
 - Draft study on the genome editing in livestock and potential ramifications for genetic resources

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Call for action - 2025

The following ERFP countries have not yet submitted their questionnaire/country report:

Albania, Armenia, Belarus, Belgium, Bosnia and Herzegovina, Hungary, Ireland, Malta, North Macedonia, Republic of Moldova, Romania, Russian Federation, Türkiye

We would like to recommend that ERFP proactively reach out to them

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