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Alimentación y la Agricultura

منظمة  
الغذية والزراعة  
للأمم المتحدة

# COMMISSION ON GENETIC RESOURCES FOR FOOD AND AGRICULTURE

## Item 4.1 of the Provisional Agenda

### Sixteenth Regular Session

Rome, 30 January - 3 February 2017

## REPORT OF THE NINTH SESSION OF THE INTERGOVERNMENTAL TECHNICAL WORKING GROUP ON ANIMAL GENETIC RESOURCES FOR FOOD AND AGRICULTURE

The Commission, at its last session, requested its intergovernmental technical working groups to meet prior to its Sixteenth Regular Session. The Ninth Session of the Intergovernmental Technical Working Group on Animal Genetic Resources for Food and Agriculture (Working Group) was held in Rome from 6 to 8 July 2016. The Working Group considered, *inter alia*, the implementation and update of the Global Plan of Action for Animal Genetic Resources (Global Plan of Action), including ecosystem services provided by livestock and breeds, and reviewed the Funding Strategy for the Implementation of the Global Plan of Action. The Working Group also reviewed the implementation of the Commission's Multi-Year Programme of Work and reviewed and revised major outputs and milestones proposed for 2018-2027. The report of the Working Group's Ninth Session is contained in this document, for consideration by the Commission.

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Other documents can be consulted at [www.fao.org](http://www.fao.org)*



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**Food and Agriculture  
Organization of the  
United Nations**

COMMISSION ON  
GENETIC RESOURCES  
FOR FOOD AND  
AGRICULTURE

**CGRFA/WG-AnGR-9/16/REPORT**

# **Ninth Session of the Intergovernmental Technical Working Group on Animal Genetic Resources for Food and Agriculture**

**Rome, Italy, 6 – 8 July 2016**



**CGRFA/WG-AnGR-9/16/REPORT**

**COMMISSION ON GENETIC RESOURCES FOR FOOD AND AGRICULTURE**

**REPORT OF THE NINTH SESSION  
OF THE  
INTERGOVERNMENTAL TECHNICAL WORKING GROUP  
ON ANIMAL GENETIC RESOURCES FOR FOOD AND AGRICULTURE**

**Rome, Italy, 6-8 July 2016**

**FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS**

**Rome, 2016**

The documents prepared for the Ninth Session of the Working Group on Animal Genetic Resources for Food and Agriculture of the Commission on Genetic Resources for Food and Agriculture are available on the Internet at the following address:

<http://www.fao.org/ag/againfo/programmes/en/genetics/angrvent-docs.html>

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## COMMISSION ON GENETIC RESOURCES FOR FOOD AND AGRICULTURE

### REPORT OF THE NINTH SESSION OF THE INTERGOVERNMENTAL TECHNICAL WORKING GROUP ON ANIMAL GENETIC RESOURCES FOR FOOD AND AGRICULTURE

Rome, Italy 6 – 8 July 2016

#### I. INTRODUCTION

1. The Ninth Session of the Intergovernmental Technical Working Group on Animal Genetic Resources for Food and Agriculture (Working Group) was held in Rome, Italy, from 6 to 8 July 2016. The list of delegates and observers is available on the meeting web site.<sup>1</sup>

#### II. OPENING OF THE SESSION AND ELECTION OF THE CHAIR, VICE-CHAIRS AND *RAPPORTEUR*

2. Mr Harvey Blackburn (United States of America), Chair of the Eighth Session of the Working Group, opened the session and welcomed delegates and observers.

3. The Working Group elected Ms Deidre Januarie (Namibia) as Chair and Mr Abed Al-Bial (Yemen), Mr Tunabuna Tomasi (Fiji), Mr Jigme Dorji (Bhutan), Mr Carlos Mezzadra (Argentina), Mr Blackburn and Mr Sipke Joost Hiemstra (Netherlands) as Vice-Chairs. Mr Hiemstra was elected *Rapporteur*.

4. Mr Berhe Tekola, Director of the Animal Production and Health Division, welcomed delegates and observers on behalf of FAO Director-General Mr José Graziano da Silva. He noted that the recommendations of the Working Group were important for FAO's work, especially in assisting countries to achieve the Sustainable Development Goals (SDGs) and in the implementation of the organization's Strategic Framework.

5. Ms Irene Hoffmann, Secretary, Commission on Genetic Resources for Food and Agriculture (Commission) welcomed delegates and observers. She reiterated the importance of the SDGs and pointed out that biodiversity cuts across several SDGs. She further noted that the Commission and its Working Group had achieved important results in the recent past, including the launch of *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture* (Second Report) and the adoption of targets and indicators, used by the Domestic Animal Diversity Information System (DAD-IS) to monitor the implementation of the Global Plan of Action for Animal Genetic Resources (Global Plan of Action), which will provide the basis for country reporting on the SDG indicator 2.5. She reminded delegates of the on-going preparation of the first report on *The State of the World's Biodiversity for Food and Agriculture* and invited Members that had not yet done so to submit their country reports as soon as possible. She thanked Germany, France and Turkey for their financial support for implementation of the Global Plan of Action.

6. The Working Group adopted the agenda as given in Appendix A.

7. The Working Group, in consultation with the regions, replaced absent Members of the Working Group (Chad, Jamaica, Lao People's Democratic Republic, Mali, Mongolia and Sudan) by China, Cuba, Ghana, Iraq, Malaysia and Zimbabwe.

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<sup>1</sup> <http://www.fao.org/ag/againfo/programmes/en/genetics/angrvent.html>.

### III. IMPLEMENTATION AND UPDATE OF THE GLOBAL PLAN OF ACTION FOR ANIMAL GENETIC RESOURCES

#### *Review of implementation of the Global Plan of Action for Animal Genetic Resources*

8. The Working Group considered the document *Review of implementation of the Global Plan of Action for Animal Genetic Resources*.<sup>2</sup> It took note of the information documents *Detailed FAO progress report on the implementation of the Global Plan of Action for Animal Genetic Resources*<sup>3</sup> and *Status of animal genetic resources - 2016*.<sup>4</sup>

9. The Working Group welcomed the publication of Second Report and commended FAO and countries for their roles in its development within a compressed time frame.

10. The Working Group recommended that the Commission:

- call upon countries to continue to implement the Global Plan of Action, in order to contribute to global food security and sustainable rural development, and in particular to help achieve SDGs 2 and 15;
- request FAO to continue to support country implementation of the Global Plan of Action;
- encourage FAO and countries to foster collaboration between international, regional and national organizations, civil society and private sector entities to improve the management of animal genetic resources;
- request FAO to continue to pursue partnerships and alliances with other international mechanisms and organizations, as well as civil society and private entities in order to enhance the mobilization of financial resources for the implementation of the Global Plan of Action;
- stress the importance of DAD-IS as the international clearing house mechanism for animal genetic resources and welcome the development of its updated version;
- request FAO to explore options for improving the linkages between DAD-IS and national, regional and other data bases, such as the cooperative data base of Brazil, Canada and the USA, and to include in future versions of DAD-IS gene bank data from the European CryoWEB data bases and from other gene bank data bases; and
- request FAO and National Coordinators for the Management of Animal Genetic Resources to improve their collaboration, including with regional stakeholders to maintain and strengthen regional and sub-regional focal points.

11. The Working Group noted the continuing challenge of collecting breed population data and recommended that the Commission stress the need for countries to regularly update their national data in DAD-IS or FABIS-net, including information on animal genetic resources both *in situ* and *ex situ*, and to provide information on breed classifications, in order to ensure that decisions on the implementation of the Global Plan of Action are informed by the most up-to-date data and information available.

#### *Ecosystem services provided by livestock species and breeds*

12. The Working Group considered the document *Contributions of livestock species and breeds to the provision of ecosystem services*.<sup>5</sup>

13. The Working Group recommended that the Commission request:

- FAO and countries to continue raising awareness of the important roles of livestock producers and of livestock species and breeds in the provision of ecosystem services;

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<sup>2</sup> CGRFA/WG-AnGR-9/16/2.1.

<sup>3</sup> CGRFA/WG-AnGR-9/16/Inf2.

<sup>4</sup> CGRFA/WG-AnGR-9/16/Inf3.

<sup>5</sup> CGRFA/WG-AnGR-9/16/2.3.

- FAO and countries to improve the mapping of species, and breed distributions where possible, and the description of phenotypic measures and biological functions, particularly in grassland-based production systems, in order to better target interventions for livestock producers;
- Countries to strengthen the link between breed conservation, sustainable agricultural production and nature conservation, and the collaboration of the agricultural/livestock sector with the environment/wildlife/forestry sector, ensuring full participation of all livestock producers, with special consideration to small-scale livestock keepers and pastoralists; and
- Countries to develop results-based incentive systems to support the continued provision of ecosystem services by livestock producers, with special consideration to locally adapted breeds, small-scale livestock keepers and pastoralists, by improving: a) assessment methods for the valorization of ecosystem services provided by livestock, and b) coordination among public and private investments in productivity enhancements and value-added opportunities with programmes and initiatives supporting the protection of ecosystem services.

14. The Working Group took note of the proposed World Bee Day and recommended that the Commission request FAO to investigate the possibilities of including in DAD-IS information on domesticated honeybees and potentially other insect pollinators. It further recommended that the Commission take note of the *IPBES Summary for Policymakers of the Thematic Assessment of Pollinators, Pollination and Food Production*;<sup>6</sup> consider the implications of the assessment for the work of FAO, including pollinator-oriented conservation approaches; and provide guidance to the Conference, as appropriate, with regard to possible next steps.

*Review and possible update of the Global Plan of Action for Animal Genetic Resources*

15. The Working Group considered the document *Review and possible update of the Global Plan of Action for Animal Genetic Resources*<sup>7</sup> and welcomed the stakeholder consultation process that led to the identification of existing and newly emerging issues in the management of animal genetic resources.

16. The Working Group stressed the importance of the Second Report in identifying the needs, challenges and trends in the management of animal genetic resources, in the context of the 2030 Agenda for Sustainable Development.

17. The Working Group reaffirmed that the Global Plan of Action for Animal Genetic Resources adopted in 2007 continues to be the key international instrument to guide the management of animal genetic resources for food and agriculture at national, regional and international levels.

18. The Working Group recommended that countries, in the implementation of the Global Plan of Action, take into consideration current as well as new and emerging challenges and trends in the management of animal genetic resources as identified in the light of the Second Report.

19. The Working Group recommended that the Commission invite countries to:

- develop or strengthen national policies, strategies and action plans for the management of animal genetic resources, furthering the implementation of the Global Plan of Action;
- continue or strengthen characterization, surveying and monitoring of animal genetic resources;
- integrate animal genetic diversity into national climate change adaptation planning, addressing both their potential for adaptation to and mitigation of the effects of climate change;

<sup>6</sup> <http://www.ipbes.net/publication/summary-policy-makers-thematic-assessment-pollinators-pollination-and-food-production>.

<sup>7</sup> CGRFA/WG-AnGR-9/16/2.2.

- address the challenge of a shrinking natural resource base available for animal production by undertaking a range of measures, including, as appropriate: improving land-use planning and reducing habitat loss for livestock production and the breeds utilising such areas, especially the locally adapted breeds; strengthening the rights of indigenous peoples and pastoralist livestock keeping communities over territories, lands and natural resources; strengthening the roles of locally adapted breeds in sustainable land management; and promoting collaboration among stakeholders involved in the management of animal genetic resources and nature conservation organizations;
- protect the animal genetic resource base by promoting appropriate breeding and husbandry practices to control factors that contribute to the erosion of animal genetic resources diversity, and by making efforts to improve animal health, with emphasis on reducing mortality of animals;
- support the continued provision of ecosystem services by livestock systems, giving special consideration to locally adapted breeds, kept by small-scale livestock keepers and pastoralists, through better articulating and enhancing the economic value of these ecosystem services, and developing results-based incentive systems; and
- consider the distinctive features of the subsector of animal genetic resources for food and agriculture in the development and implementation of domestic access and benefit-sharing (ABS) legislation, taking into account international developments in ABS.

20. The Working Group also recommended that the Commission request FAO to:

- continue monitoring the current, as well as new and emerging challenges in the management of animal genetic resources, and to facilitate the reporting process on such issues under the Global Plan of Action, *inter alia*, by further strengthening and developing DAD-IS, as the global communication tool and clearing house mechanism for animal genetic resources;
- review the progress in the implementation of the Global Plan of Action and its relevance and orientation in light of new and emerging challenges and opportunities in the management of animal genetic resources;
- continue the development of technical guidelines and tools to support the implementation of the Global Plan of Action, including on emerging issues;
- ensure that all relevant parts of the Organization, at Headquarters, regional and country levels, are actively engaged and coordinated in promoting work on animal genetic resources, within the parameters of the FAO Strategic Objectives;<sup>8</sup>
- further support the development and implementation of measures and tools to promote the mainstreaming of biodiversity in the livestock sector, with a view to supporting countries in the transition to sustainable food and agricultural systems;<sup>9</sup>
- support capacity development, specifically for developing countries, and collaboration in all areas required for the integrated implementation of the Global Plan of Action, particularly in new technologies, and
- continue to pursue extra-budgetary funds to support the implementation of the Global Plan of Action, and to encourage donors to provide support to its implementation.

21. The Working Group noted that the Commission may consider submitting a draft resolution on this topic to the Director-General and invite him to bring it to the attention of the Conference for its consideration. In this context, the Working Group recommended that the Commission consider the outcomes of this session as elements for a possible resolution on the

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<sup>8</sup> PC 119/5 Sup.1, Evaluation of FAO's contribution to the conservation and sustainable use of genetic resources for food and agriculture – Management Response.

<sup>9</sup> UNEP/CBD/SBI/REC/1/4.

Global Plan of Action. A draft resolution prepared by the Working Group is contained in Appendix B, for consideration by the Commission.

22. The Working Group recommended that the Commission request FAO to enhance the collaboration between the Commission and other relevant governing and statutory bodies of FAO and the Committee on World Food Security (CFS), on issues relevant to animal genetic resources and their role for food security and nutrition.

#### **IV. REVIEW OF THE FUNDING STRATEGY FOR THE IMPLEMENTATION OF THE GLOBAL PLAN OF ACTION FOR ANIMAL GENETIC RESOURCES**

23. The Working Group considered the document *The operation and effectiveness of the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources*.<sup>10</sup> It thanked donors for contributing to the Trust Account and highlighted the benefits and major achievements of national and regional projects that were carried out with its support.

24. The Working Group recommended that the Commission:

- request FAO to compile project reports and achievements and publicise these on the website of FAO and to present results of the projects at a side event to be held on the occasion of the next Regular Session of the Commission;
- increase for any future calls for proposals under the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources (Funding Strategy) the maximum budget per national project to US\$100 000 and to US\$300 000 for regional and other multi-country projects, ensuring that the average contributions to individual countries do not exceed US\$100 000;
- invite donors to facilitate adequate monitoring, backstopping and technical assistance of projects under the Trust Account by allocating sufficient funding;
- give priority to projects under the FAO Trust Account aimed at the development of National Strategies and Action Plans for countries lacking such plans or to projects that implement National Strategies and Action Plans or other established policy frameworks for the management of animal genetic resources, as well as projects involving non-governmental organizations or any other stakeholders active in the management of animal genetic resources;
- give priority to regional projects and projects that collaborate with different stakeholders, including non-governmental and civil society organizations and the private sector;
- require one focal point per regional project, where feasible, to be administratively responsible for the project;
- amend the Funding Strategy, as necessary, with a view to reflect the recommendations of the Working Group;
- focus the next call for proposals under the Funding Strategy on new and emerging issues and trends, as identified by the Second Report and stakeholder consultations;<sup>11</sup>
- invite donors and other stakeholders, including the private sector, to contribute to the implementation of the Global Plan of Action, including to the Funding Strategy; and
- request FAO to continue exploring further options to mobilize voluntary contributions to the Funding Strategy.

<sup>10</sup> CGRFA/WG-AnGR-9/16/3.

<sup>11</sup> Review and possible update of the Global Plan of Action for Animal Genetic Resources (CGRFA/WG-AnGR-9/16/2.2).

## V. ACCESS AND BENEFIT-SHARING FOR ANIMAL GENETIC RESOURCES

25. The Working Group considered the document *Elaboration of subsector-specific elements for access and benefit-sharing for genetic resources for food and agriculture*.<sup>12</sup> The Working Group observed that implementation of ABS measures in the livestock sector requires development of a common understanding of the technical terms used in this context. It recalled its work during previous sessions on ABS<sup>13</sup> and commended the *Elements to Facilitate Domestic Implementation of Access and Benefit-Sharing for Different Subsectors of Genetic Resources for Food and Agriculture*,<sup>14</sup> as welcomed by the Commission and the Conference.

26. The Working Group recommended that, with regard to the utilization and distinctive features and properties of animal genetic resources, the Team of Technical and Legal Experts on Access and Benefit-Sharing consider in their work the existing use and exchange practices typical of the livestock sector under existing frameworks, as well as the clarification of relevant technical terms.

27. The Working Group recalled that the Commission, at its Seventeenth Regular Session, will review existing ABS instruments and their impact on genetic resources for food and agriculture. It recommended that the Commission request its Secretary to continue collecting information and experiences submitted by Members concerning use and exchange practices, taking into account that most animal genetic resources are privately owned.

28. The Working Group recommended that the Commission request its Secretary to continue strengthening information exchange and collaboration with other relevant bodies and instruments.

## VI. REVIEW OF THE COMMISSION'S MULTI-YEAR PROGRAMME OF WORK

29. The Working Group considered the document *Review of implementation of the Multi-Year Programme of Work and Draft Strategic Plan for the Commission on Genetic Resources for Food and Agriculture (2018-2027)*.<sup>15</sup>

30. The Working Group welcomed the progress made by the Commission over the last decade, including on cross-sectoral and more integrated themes. It reviewed and revised the major outputs and milestones proposed for 2018-2027 and recommended them for adoption by the Commission. The Working Group recommended that the Commission move the item on "Access to genetic resources information and the sharing of benefits derived of it" from the Eighteenth to the Seventeenth Session, and include gene editing in the "Review of technical and policy dimensions of new biotechnologies" scheduled for the Seventeenth Session. It stressed that the successful implementation of the Multi-Year Programme of Work also depends on sufficient FAO regular budget allocations.

31. The Working Group reviewed the structural changes and the proposed biannual review of the Commission's Strategic Plan. It noted that the proposed alignment of the strategic goals with the Aichi Biodiversity Targets and the 2030 Agenda for Sustainable Development would increase the visibility of the Commission's work.

32. The Working Group noted that proposed indicators and procedures adopted by the Commission for the monitoring of sectoral action plans may, in principle, be useful for monitoring the cross-sectoral Strategic Goals, which will avoid an additional reporting burden.

## VII. OTHER BUSINESS

33. FAO presented a summary of its recent evaluation of FAO's contribution to the conservation and sustainable use of genetic resources for food and agriculture.<sup>16</sup> The Working Group took note of the evaluation findings and welcomed its conclusions confirming FAO's

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<sup>12</sup> CGRFA/WG-AnGR-9/16/4.

<sup>13</sup> CGRFA/WG-AnGR-7/12/Report, paragraphs 30-33; CGRFA/WG-AnGR-8/14/Report, paragraphs 19-25.

<sup>14</sup> <http://www.fao.org/3/a-i5033e.pdf>.

<sup>15</sup> CGRFA/WG-AnGR-9/16/5.

<sup>16</sup> PC 119/5.

important role in the policy landscape of biodiversity and genetic resources. The full evaluation report is available on FAO's web site.<sup>17</sup>

34. The Working Group took note of the launch of the report *Sustainable agricultural development for food security and nutrition: what roles for livestock?*,<sup>18</sup> prepared by the High Level Panel of Experts for Food Security and Nutrition at the request of the CFS. It noted with some perplexity and a degree of concern that the report, although addressing the conservation and sharing of animal genetic resources, does not make reference to the *Global Plan of Action for Animal Genetic Resources and the Interlaken Declaration*. The Working Group requested its Secretary to bring this meeting report to the attention of the forthcoming Forty-third Session of the CFS.

### VIII. CLOSING STATEMENTS

35. Representatives from the regional groups took the floor to thank the Chair, the Secretariat and support staff, the delegates and observers, and the donors who had enabled their participation in the session and in the preceding global national coordinators workshop.

36. Mr Ren Wang, Assistant Director-General, Agriculture and Consumer Protection Department, thanked the Working Group for its clear recommendations, noting that the guidance received will aid FAO while providing assistance to countries for achieving the SDGs. He thanked the Chair and the Bureau for their hard work in ensuring an efficiently run meeting, and the donors for their invaluable support.

37. Ms Hoffmann noted the importance of the Working Group's recommendations, not only for the animal genetic resources programme, but also for the cross-cutting issues in the Commission's multi-year programme of work. She reminded countries to continue and finalize their preparation of contributions for the first report on the State of the World's Biodiversity for Agriculture. She also thanked the Secretariat for its preparatory work and the Chair for her guidance during the meeting.

38. Ms Januarie concluded the meeting by thanking all delegates and observers, the Bureau, the Secretariat and the support staff for their contributions to the successful outcome of the meeting.

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<sup>17</sup> <http://www.fao.org/evaluation/evaluation-digest/evaluations-detail/en/c/416092>.

<sup>18</sup> [http://www.fao.org/fileadmin/user\\_upload/hlpe/hlpe\\_documents/HLPE\\_S\\_and\\_R/HLPE\\_2016\\_Sust-Agr-Dev-FSN-Livestock\\_S-R\\_EN.pdf](http://www.fao.org/fileadmin/user_upload/hlpe/hlpe_documents/HLPE_S_and_R/HLPE_2016_Sust-Agr-Dev-FSN-Livestock_S-R_EN.pdf).



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**APPENDIX A****AGENDA OF THE NINTH SESSION OF THE INTERGOVERNMENTAL TECHNICAL  
WORKING GROUP ON ANIMAL GENETIC RESOURCES FOR FOOD AND  
AGRICULTURE**

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1. Election of the Chair, the Vice-Chair(s) and the Rapporteur
2. Adoption of the agenda and timetable
3. Implementation and update of the Global Plan of Action for Animal Genetic Resources
  - 3.1 Review of implementation of the Global Plan of Action for Animal Genetic Resources
  - 3.2 Ecosystem services provided by livestock species and breeds
  - 3.3 Review and possible update of the Global Plan of Action for Animal Genetic Resources
4. Review of the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources
5. Access and benefit-sharing for animal genetic resources
6. Review of the Commission's Multi-Year Programme of Work
7. Other business
8. Adoption of the Report



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**APPENDIX B**  
**REAFFIRMING THE WORLD'S COMMITMENT TO THE GLOBAL PLAN OF ACTION**  
**FOR ANIMAL GENETIC RESOURCES**

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*Draft Resolution*

**THE CONFERENCE,**

**Recalling** the Global Plan of Action for Animal Genetic Resources (Global Plan of Action) and the Interlaken Declaration as key milestones in international efforts to manage and conserve animal genetic resources and ensure their fair and wise use in order to achieve global food security and sustainable development;

**Welcoming** *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture* and highlighting its importance to identify and address new and emerging issues and trends in the management of animal genetic resources;

**Affirming** that The Global Plan of Action is a robust instrument continuing to be the key framework to address these new and emerging issues and trends at national, regional and international levels;

**Recognizing** the important linkages between biodiversity for food and agriculture and relevant and globally agreed instruments and frameworks, especially the 2030 Agenda for Sustainable Development and other related instruments and frameworks;

**Invites** Members to:

- **develop** or **strengthen** national policies, strategies and actions plans for the management of animal genetic resources, furthering the implementation of the Global Plan of Action;
- **continue** or **strengthen** characterization, surveying and monitoring of animal genetic resources;
- **integrate** animal genetic diversity into national climate change adaptation planning, addressing both their potential for adaptation to and mitigation of the effects of climate change;
- **address** the challenge of a shrinking natural resource base available for animal production by undertaking a range of measures, including, as appropriate: improving land-use planning and reducing habitat loss for livestock production and the breeds utilising such areas, especially the locally adapted breeds; strengthening the rights of indigenous peoples and pastoralist livestock keeping communities over territories, lands and natural resources; strengthening the roles of locally adapted breeds in sustainable land management; and promoting collaboration among stakeholders involved in the management of animal genetic resources and nature conservation organizations;
- **protect** the animal genetic resource base by promoting appropriate breeding and husbandry practices to control factors that contribute to the erosion of animal genetic resources diversity, and by making efforts to improve animal health, with emphasis on reducing mortality of animals;
- **support** the continued provision of ecosystem services by livestock systems, giving special consideration to locally adapted breeds, kept by small-scale livestock keepers and pastoralists, through better articulating and enhancing the economic value of these ecosystem services, and developing results-based incentive systems; and
- **consider** the distinctive features of the subsector of animal genetic resources for food and agriculture in the development and implementation of domestic access and benefit-sharing legislation, taking into account international developments in access and benefit-sharing.

**Requests** the Organization to:

- **continue** monitoring the current, as well as new and emerging challenges in the management of animal genetic resources, and to facilitate the reporting process on such issues under the Global Plan of Action, *inter alia*, by further strengthening and developing DAD-IS as the global communication tool and clearing house mechanism for animal genetic resources;
- **review** the progress in the implementation of the Global Plan of Action and its relevance and orientation in light of new and emerging challenges and opportunities in the management of animal genetic resources;
- **continue** the development of technical guidelines and tools to support the implementation of the Global Plan of Action, including on emerging issues;
- **ensure** that all relevant parts of the Organization, at Headquarters, regional and country levels, are actively engaged and coordinated in promoting work on animal genetic resources, within the parameters of the FAO Strategic Objectives;
- **further support** the development and implementation of measures and tools to promote the mainstreaming of biodiversity in the livestock sector, with a view to supporting countries in the transition to sustainable food and agricultural systems.
- **support** capacity development, specifically for developing countries, and collaboration in all areas required for the integrated implementation of the Global Plan of Action, particularly in new technologies; and
- **continue** to pursue extra-budgetary funds to support the implementation of the Global Plan of Action, and to **encourage** donors to provide support to its implementation.

**Calls on** all partners and stakeholders, including donors, academic and research institutions, indigenous peoples, pastoralists and other livestock keeping communities, non-governmental and civil society organizations, animal breeders, private sector entities and other relevant stakeholders, to collaborate on the implementation of the Global Plan of Action.

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**APPENDIX C**  
**LIST OF DOCUMENTS**

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**WORKING DOCUMENTS**

CGRFA/WG-AnGR-9/16/1 Rev.1	Provisional agenda
CGRFA/WG-AnGR-9/16/1 Add.1	Provisional annotated agenda and timetable
CGRFA/WG-AnGR-9/16/2.1	Review of implementation of the Global Plan of Action for Animal Genetic Resources
CGRFA/WG-AnGR-9/16/2.2	Review and possible update of the Global Plan of Action for Animal Genetic Resources
CGRFA/WG-AnGR-9/16/2.3	Contributions of livestock species and breeds to the provision of ecosystem services
CGRFA/WG-AnGR-9/16/2.3	The operation and effectiveness of the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources
CGRFA/WG-AnGR-9/16/4	Elaboration of subsector-specific elements for access and benefit-sharing for genetic resources for food and agriculture
CGRFA/WG-AnGR-9/16/5	Review of implementation of the Multi-Year Programme of Work and draft Strategic Plan for the Commission on Genetic Resources for Food and Agriculture (2018-2027)

**INFORMATION DOCUMENTS**

CGRFA/WG-AnGR-9/16/Inf.1	Statutes of the Intergovernmental Technical Working Group on Animal Genetic Resources for Food and Agriculture, and Members elected by the Fifteenth Regular Session of the Commission
CGRFA/WG-AnGR-9/16/Inf.2	Detailed FAO progress report on the implementation of the Global Plan of Action for Animal Genetic Resources
CGRFA/WG-AnGR-9/16/Inf.3	Status of animal genetic resources – 2016
CGRFA/WG-AnGR-9/16/Inf.4 Rev.1	List of documents

## OTHER DOCUMENTS

Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture (full version)

Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture (in brief)

Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture (brochure)

FAO 2016. Guidelines for the development of integrated multipurpose animal recording systems. FAO Animal Production and Health Guidelines. No. 19. Rome.

Animal Genetic Resources - an international journal • Ressources Génétiques Animales - un journal international • Recursos Genéticos Animales - una revista internacional No 55

Animal Genetic Resources - an international journal • Ressources Génétiques Animales - un journal international • Recursos Genéticos Animales - una revista internacional No 56

Animal Genetic Resources - an international journal • Ressources Génétiques Animales - un journal international • Recursos Genéticos Animales - una revista internacional No 57

Publications catalogue - animal genetic resources

Into animal genetic resources development in Africa - Challenges and Opportunities for the Nagoya Protocol  
(provided by the African Union Interafrican Bureau for Animal Resources)

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**APPENDIX D**  
**MEMBERS OF THE INTERGOVERNMENTAL TECHNICAL WORKING**  
**GROUP ON ANIMAL GENETIC RESOURCES FOR FOOD AND AGRICULTURE**  
**ELECTED AT THE FIFTHTEENTH REGULAR SESSION OF THE**  
**COMMISSION ON GENETIC RESOURCES FOR FOOD AND AGRICULTURE**

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<i>Composition (no. of countries per region)</i>	<i>Country</i>
<b>Africa</b> (5)	Algeria Chad Kenya Mali Namibia <i>First Alternate:</i> Burkina Faso <i>Second Alternate:</i> Zimbabwe
<b>Asia</b> (5)	Bhutan Lao People's Democratic Republic Mongolia Pakistan Republic of Korea <i>First Alternate:</i> Thailand <i>Second Alternate:</i> China
<b>Europe</b> (5)	France Netherlands Poland Slovenia Switzerland <i>First Alternate:</i> Sweden <i>Second Alternate:</i> Russian Federation
<b>Latin America and the Caribbean</b> (5)	Argentina Brazil Chile Jamaica Uruguay <i>First Alternate:</i> Cuba <i>Second Alternate:</i> Costa Rica
<b>Near East</b> (4)	Iran (Islamic Republic of) Saudi Arabia Sudan Yemen <i>First Alternate:</i> Egypt <i>Second Alternate:</i> Jordan
<b>North America</b> (2)	Canada United States of America
<b>Southwest Pacific</b> (2)	Cook Islands Fiji <i>First Alternate:</i> Vanuatu <i>Second Alternate:</i> Samoa





**APPENDIX E**  
**DRAFT STRATEGIC PLAN FOR THE COMMISSION ON GENETIC RESOURCES FOR**  
**FOOD AND AGRICULTURE (2018-2027): MAJOR OUTPUTS AND MILESTONES**

	17 <sup>th</sup> Session 2019	18 <sup>th</sup> Session 2021	19 <sup>th</sup> Session 2023	20 <sup>th</sup> Session 2025	21 <sup>st</sup> Session 2027
<b>Sectoral matters</b>					
Animal genetic resources		Review of implementation of the <i>Global Plan of Action for Animal Genetic Resources</i>		Presentation of <i>The Third Report on the State of the World's Animal Genetic Resources for Food and Agriculture</i>	Review of the <i>Global Plan of Action for Animal Genetic Resources</i>
Aquatic genetic resources	Presentation of <i>The State of the World's Aquatic Genetic Resources for Food and Agriculture</i>	Development of elements related to the <i>Code of Conduct for Responsible Fisheries</i> and associated tools		Review of implementation of relevant elements of the <i>Code of Conduct for Responsible Fisheries</i>	
Forest genetic resources	Review of implementation of the <i>Global Plan of Action for the Conservation, Sustainable Use and Development of Forest Genetic Resources</i>		Presentation of the <i>Second Report on the State of the World's Forest Genetic Resources</i>	Review of the <i>Global Plan of Action for the Conservation, Sustainable Use and Development of Forest Genetic Resources</i>	
Micro-organisms and invertebrates		Review of work on micro-organisms and invertebrates		Review of work on micro-organisms and invertebrates	
Plant genetic resources	Review of status and trends of seed policies		Presentation of <i>The Third Report on the State of the World's Plant Genetic Resources for Food and Agriculture</i>	Review of the <i>Second Global Plan of Action for Plant Genetic Resources for Food and Agriculture</i>	Review of implementation of the (second) <i>Global Plan of Action for Plant Genetic Resources for Food and Agriculture</i>
<b>Cross-sectoral matters</b>					
<i>The State of the World's Biodiversity for Food and Agriculture</i>	Follow up to <i>The State of the World's Biodiversity for Food and Agriculture</i>		Follow up to <i>The State of the World's Biodiversity for Food and Agriculture</i>		Presentation of <i>The Second Report on the State of the World's Biodiversity for Food and Agriculture</i>
Access and benefit-sharing	Review of existing access and benefit-sharing instruments and their impact on genetic resources for food and agriculture Access to genetic resources information and the sharing of benefits derived of it		Review of existing access and benefit-sharing instruments and their impact on genetic resources for food and agriculture Review of the use of the ABS elements		Review of existing access and benefit-sharing instruments and their impact on genetic resources for food and agriculture
Biotechnologies	Review of technical and policy dimensions of new biotechnologies	Review of the work of the Commission's Working Groups on the application and integration of biotechnologies for the conservation and sustainable utilization of genetic resources for food and agriculture		Review of the work of the Commission's Working Groups on the application and integration of biotechnologies for the conservation and sustainable utilization of genetic resources for food and agriculture	
Climate change		Review of work on climate change and genetic resources		Review of work on climate change and genetic resources	
Health	Concept note on biodiversity for food and agriculture and human health		Biodiversity for food and agriculture and human health linkages: setting priorities		
Nutrition	Review of work on biodiversity and nutrition		Review of work on biodiversity and nutrition		
Management	Progress Report/ Periodic assessment/ Review of the Strategic Plan  Review of targets and indicators for the Commission's strategic cross-sectoral goals	Progress Report/ Periodic assessment/ Review of the Strategic Plan	Progress Report/ Periodic assessment/ Review of the Strategic Plan	Progress Report/ Periodic assessment/ Review of the Strategic Plan	Progress Report/ Periodic assessment/ Review of the Strategic Plan



