

Commission on Genetic Resources for Food and
Agriculture

**Intergovernmental Technical Working
Group on Animal Genetic Resources for
Food and Agriculture**

Seventh Session

**Rome, Italy
24 – 26 October 2012**



Food and Agriculture Organization of the United Nations

CGRFA/WG-AnGR-7/12/REPORT

COMMISSION ON GENETIC RESOURCES FOR FOOD AND AGRICULTURE

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

Rome, Italy, 24 – 26 October 2012

FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS

Rome, 2012

The documents prepared for the Seventh Session of the Intergovernmental Technical 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:

<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 SEVENTH SESSION OF THE INTERGOVERNMENTAL TECHNICAL WORKING GROUP ON ANIMAL GENETIC RESOURCES FOR FOOD AND AGRICULTURE

Rome, Italy, 24 – 26 October 2012

I. INTRODUCTION

1. The Seventh Session of the Intergovernmental Technical Working Group on Animal Genetic Resources for Food and Agriculture (Working Group) was held in Rome, Italy, from 24 to 26 October 2012. The list of delegates and observers¹ is available on the website of FAO.²

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

2. Mr François Pythoud (Switzerland), Chair of the Sixth Session of the Working Group, welcomed delegates and observers. He thanked the members of the Working Group and the Secretariat for the support he had received during his term as Chair. Mr Pythoud congratulated the Working Group on the progress made since 2007 in the implementation of the *Global Plan of Action for Animal Genetic Resources (Global Plan of Action)*, and thanked FAO for its work in raising awareness of the importance of animal genetic resources.

3. Mr Pythoud noted the significant work undertaken by the Bureau of the Working Group in appraising project proposals submitted under the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources (the Funding Strategy), and expressed his satisfaction that this meeting would see the announcement of the first group of projects chosen for funding. Reflecting on the recent meeting of the Ad Hoc Technical Working Group on Access and Benefit-sharing for Genetic Resources for Food and Agriculture, Mr Pythoud noted the important role that the Working Group should play in assisting the Commission on Genetic Resources for Food and Agriculture (the Commission) in understanding the implications of the Nagoya Protocol on Access and Benefit Sharing for the animal genetic resources sector.

4. The Working Group elected as Chair, Mr Arthur da Silva Mariante (Brazil), and as Vice-Chairs, Mr Harvey D. Blackburn (United States of America), Mr Cleopas Okore (Kenya), Mr Jan Hendrik Schneider (Germany), Ms Jigjidpurev Sukhbaatar (Mongolia), Mr Tiria Rere (Cook Islands). Mr Schneider was elected *Rapporteur*. In taking up the position of Chair, Mr Mariante thanked the outgoing Chair for his work and guidance over the past two years, noting that much had been achieved under his leadership.

5. Mr Berhe Tekola, Director, Animal Production and Health Division, on behalf of Mr Modibo Traoré, Assistant Director-General, Agriculture and Consumer Protection Department,

¹ CGRFA/WG-AnGR-7/12/Inf.9

² <http://www.fao.org/ag/againfo/programmes/en/genetics/angrvent-docs.html>

welcomed delegates and observers on behalf of FAO Director-General Mr José Graziano da Silva. He noted that significant progress had been made in implementing the *Global Plan of Action* at country, regional and global levels, but also that more needed to be done to prevent the erosion of genetic resources in developing regions. In welcoming the selection of the first group of projects to be funded under the Funding Strategy, Mr Tekola thanked the Governments of Germany, Norway and Switzerland for their contributions to the FAO Trust Fund from which the projects would be financed. He also thanked the Governments of Germany, Norway, Sweden, Switzerland and Turkey for the financial support they had provided to the delivery of FAO's animal genetic resources programme.

6. Mr Alexander Müller, Assistant Director-General, Natural Resources Management and Environment Department, welcomed members of the Working Group and observers. Mr Müller congratulated the Bureau of the Commission, the outgoing Bureau of the Working Group and the Panel of Experts for their work in evaluating the project proposals submitted under the Funding Strategy. He echoed Mr Tekola's words in thanking the governments that had contributed funds and stressed the importance of the Funding Strategy as a means of translating policies and strategies into concrete actions. He also expressed his confidence that the Commission would play an important role in the implementation of access and benefit-sharing measures as they apply to genetic resources for food and agriculture.

7. Ms Linda Collette, Secretary of the Commission, welcomed members of the Working Group and observers. Ms Collette highlighted the successes achieved by the Working Group since its establishment in 1998, including in particular the publication of *The State of the World's Animal Genetic Resources for Food and Agriculture* and the adoption of the *Global Plan of Action*. She welcomed the active steps that countries had taken towards implementing the *Global Plan of Action*, but stressed the importance of strengthening monitoring programmes for animal genetic resources as a basis for timely action to protect breeds that are at risk of extinction.

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

III. REVIEW OF IMPLEMENTATION OF THE GLOBAL PLAN OF ACTION FOR ANIMAL GENETIC RESOURCES

9. The Working Group considered the document *Implementation of the Global Plan of Action for Animal Genetic Resources and the Interlaken Declaration*.³ It took note of the information documents *Detailed FAO progress report on the implementation of the Global Plan of Action for Animal Genetic Resources*,⁴ *Synthesis progress report on the implementation of the Global Plan of Action for Animal Genetic Resources – 2012*⁵ and *Status and trends of animal genetic resources – 2012*.⁶ The Working Group welcomed the substantial progress made in the implementation of the *Global Plan of Action* at all levels. It acknowledged the gaps that remain, particularly in collaboration and funding of activities.

10. The Working Group recommended that the Commission:

- i) welcome the progress made in the implementation of the *Global Plan of Action* and request FAO to ensure that the sustainable management of animal genetic resources

³ CGRFA/WG-AnGR-7/12/2

⁴ CGRFA/WG-AnGR-7/12/Inf.2

⁵ CGRFA/WG-AnGR-7/12/Inf.3

⁶ CGRFA/WG-AnGR-7/12/Inf.4

- remains a priority area for the Organization, and to continue its activities in support of the implementation of the *Global Plan of Action*;
- ii) invite countries and international organizations to implement the *Global Plan of Action*, in order to contribute to global food security and sustainable rural development, and in particular to help in achieving Millennium Development Goals 1 and 7;
 - iii) urge FAO to maintain and strengthen its work in providing technical assistance to countries in their implementation efforts, especially with regard to breed inventory and monitoring, and in awareness raising, including via the journal *Animal Genetic Resources*;
 - iv) request countries to characterize their breeds, with appropriate quantification of the breed dynamics including the state of selection and genetic variation, and describe production environments, and to collaborate with regional and international organizations in meta-analyses of transboundary breeds and of local breeds with genetic similarities to breeds in other countries;
 - v) request FAO and IAEA to continue their joint efforts to establish a genetic resources database (with open access) for storage and exchange of molecular data to support national animal genetic resource programmes;
 - vi) stress the importance of the Domestic Animal Diversity Information System (DAD-IS) as the international clearing-house mechanism for animal genetic resources, and request FAO to provide long-term regular programme staff support for the maintenance and continued development of DAD-IS;
 - vii) encourage FAO and countries to collaborate with regional organizations, civil society and the private sector, including the animal breeding industry, in improving the management of animal genetic resources;
 - viii) request FAO to assist countries in the establishment and operation of regional or subregional focal points for the management of genetic resources and to invite countries to take full advantage of opportunities provided by new and existing focal points; and
 - ix) request FAO to continue pursuing partnerships and alliances with other international mechanisms and organizations to enhance the mobilization of financial resources for implementation of the *Global Plan of Action*.

IV. DRAFT TECHNICAL GUIDELINES FOR THE IMPLEMENTATION OF THE GLOBAL PLAN OF ACTION FOR ANIMAL GENETIC RESOURCES

11. The Working Group considered the document *Draft technical guidelines for the implementation of the Global Plan of Action for Animal Genetic Resources*.⁷ The Working Group welcomed the *Draft guidelines on in vivo conservation of animal genetic resources*⁸ and indicated its appreciation to FAO for the preparation of these guidelines, which will further support national implementation of the *Global Plan of Action*.

12. The Working Group recommended that the Commission endorse the *Draft guidelines on in vivo conservation of animal genetic resources*, including the proposed modifications to the FAO risk classification system, amended so as to include an additional risk class “cryopreserved only” and a change to the definition of the risk class “extinct”. The “cryopreserved only” category would refer to breeds that have no living male or female animals remaining, but for which there is sufficient cryopreserved material to allow for reconstitution of the breed. Guidance on what constitutes “sufficient cryopreserved material” is provided in the FAO guidelines *Cryoconservation of animal genetic resources*. The “extinct” category would refer to breeds that have neither living male or female animals remaining nor sufficient cryopreserved material to allow for reconstitution of the breed.

⁷ CGRFA/WG-AnGR-7/12/3

⁸ CGRFA/WG-AnGR-7/12/Inf.6

13. The Working Group also recommended that the Commission request FAO to continue updating and further developing technical guidelines on animal identification, traceability and performance recording and to continue to provide capacity building based on all the guidelines that have been published to date.

V. REVIEW OF IMPLEMENTATION OF THE FUNDING STRATEGY FOR THE IMPLEMENTATION OF THE GLOBAL PLAN OF ACTION FOR ANIMAL GENETIC RESOURCES

14. Mr Pythoud, Chair of the Sixth Session of the Working Group, gave a report on the activities of the Working Group's Bureau in supporting the Bureau of the Commission in the selection of project proposals under the first Call for Proposals under the Funding Strategy. He expressed his appreciation for the valuable contributions that the Regional Focal Points and the international panel of experts had made to the process. He conveyed the approval of the Bureau of the Commission for the first eight projects, noting that, thanks to the success of regional projects, 22 countries would be involved. He envisaged that the approval of a second batch of proposals would soon be communicated by the Secretariat.

15. The Working Group congratulated the successful proponents. It expressed its gratitude to the Governments of Germany, Switzerland and Norway, whose contributions made the first Call for Proposals possible. It expressed its satisfaction with the increased collaboration among countries, as evidenced by the large share of successful projects involving more than one country.

16. The Working Group considered the document *Review of the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources*.⁹ It took note of the more detailed financial information available in the information document *Detailed FAO progress report on the implementation of the Global Plan of Action for Animal Genetic Resources*.¹⁰

17. The Working Group stressed the need for adequate funding to support developing-country implementation of the *Global Plan of Action*. It noted the FAO Regular Programme funding in 2012-2013 and expressed its appreciation for voluntary contributions. In view of the role played by Regional Focal Points and regional networks in the pre-screening of concept notes, countries reiterated the need to establish Focal Points in regions where they have not yet been established.

18. The Working group reviewed and finalized the draft *Procedures for Monitoring and Independent Evaluation* and recommended that the Commission adopt them.

19. The Working Group further recommended that the Commission:

- i) thank governments that have contributed to the FAO Trust Account, and urge governments and other potential donors to provide or increase funding to the FAO Trust Account and to other funds that support the implementation of the *Global Plan of Action*;
- ii) thank the members of the Working Group Bureau, the Regional Focal Points and the Panel of Experts for their significant work and valuable contributions in the first project cycle of the Funding Strategy;
- iii) request FAO to continue providing regular programme funds and technical advice to support country implementation of the *Global Plan of Action*;

⁹ CGRFA/WG-AnGR-7/12/4

¹⁰ CGRFA/WG-AnGR-7/12/Inf.2

- iv) request FAO to continue to pursue partnerships and alliances with other international mechanisms and organizations to enhance mobilization of financial resources for implementation of the *Global Plan of Action*, including the Funding Strategy;
- v) mandate the Bureau of the Working Group to launch, between the Commission's sessions, a second Call for Proposals once US\$1 million is available in the Trust Account; and apply the procedures for the use of resources and priorities that were applied for the first Call for Proposals.
- vi) simplify the current approval procedures by delegating the selection of concept notes and the approval of projects to the Bureau of the Working Group;
- vii) consider changing the Funding Strategy (Annex I, Section C.II.4(f)) so as to allow for the direct submission of project proposals to the FAO Secretariat;
- viii) decide, with regard to future calls for proposals, that countries may submit a single-country concept note and join, in addition, one multiple-country concept note, knowing that only the highest-quality proposal will be selected; and
- ix) acknowledge the role of Regional Focal Points in quality assurance during development and pre-screening of concept notes and define this role more clearly.

VI. ROLES OF SMALL-SCALE LIVESTOCK KEEPERS IN THE CONSERVATION AND SUSTAINABLE USE OF ANIMAL GENETIC RESOURCES

20. The Working Group considered the document *Roles of small-scale livestock keepers in the conservation and sustainable use of animal genetic resources*.¹¹ The Working Group reaffirmed its recognition of the importance of small-scale livestock keepers in the management of animal genetic resources and biodiversity for food and agriculture in general. Recognizing the important contribution of locally adapted breeds to food security, it stressed the need to further promote their products and ensure better market access. It noted with appreciation the work done by FAO to support and raise awareness about these activities.

21. The Working Group recommended that the Commission:

- i) encourage countries to consider applying the *Voluntary Guidelines on the Responsible Governance of Tenure of Land, Fisheries and Forests in the Context of National Food Security*, especially as they relate to pastoralists and indigenous and small-scale livestock keepers;
- ii) request FAO to explore if and how payments for ecosystem services provided by livestock species and breeds could benefit all livestock keepers, with special consideration to the important contributions of small-scale livestock keepers and pastoralists, and to report back to the Commission's next session; and
- iii) invite countries to collect and insert data into the production environment descriptor module of DAD-IS, including the ecosystem services provided by breeds kept by small-scale livestock keepers and pastoralists.

¹¹ CGRFA/WG-AnGR-7/12/5

VII. PREPARATION OF THE SECOND REPORT ON THE STATE OF THE WORLD'S ANIMAL GENETIC RESOURCES FOR FOOD AND AGRICULTURE

22. The Working Group considered the document *Preparation of the Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*.¹² It took note of the information document *Draft strategic plan for the Commission on Genetic Resources for Food and Agriculture 2014-2021*.¹³ The Working Group discussed the timeline, scope, content and preparatory process of the report, as well as the resources required. It noted the need for revising the financial support requested as extra-budgetary resources to enable collection and analysis of the required data.

23. The Working Group recommended that the Commission:

- i) invite FAO to present *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture* to the Commission, at its Fifteenth Regular Session (2015), and amend the Multi-Year Programme of Work and the plan for its implementation accordingly;
- ii) review, at its Fourteenth Regular Session, a well-structured questionnaire for collecting national data;
- iii) request that a draft version of *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture* be presented to the Eighth Session of the Working Group, for its consideration;
- iv) urge all FAO Members and relevant international mechanisms, funds and bodies to give immediate and due priority and attention to the effective allocation of predictable and agreed resources for the preparation of *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*; and
- v) appeal to all FAO Members and international organizations to provide, in good time, the relevant information required for the preparation of *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*.

VIII. TARGETS AND INDICATORS FOR ANIMAL GENETIC RESOURCES

24. The Working Group considered the document *Targets and indicators for animal genetic resources*.¹⁴ The Working Group took note of the information document *Synthesis progress report on the implementation of the Global Plan of Action for Animal Genetic Resources – 2012*,¹⁵ in which the proposed indicators and other measures are used to assess the implementation of the *Global Plan of Action*. It also took note of the document *Report of a consultation on the definition of breed categories*.¹⁶ The Working Group noted the need for further testing and validation of the proposed resource indicators. It further noted the importance of having process and resource indicators that provide a basis for assessing progress towards the Aichi Biodiversity Targets, in particular Targets 4, 7 and 13.

25. The Working Group recommended that the Commission:

¹² CGRFA/WG-AnGR-7/12/6

¹³ CGRFA/WG-AnGR-7/12/Inf.5

¹⁴ CGRFA/WG-AnGR-7/12/7

¹⁵ CGRFA/WG-AnGR-7/12/Inf.3

¹⁶ CGRFA/WG-AnGR-7/12/Inf.7

- i) agree to the use of the proposed process and resource indicators, and related targets, as set out in the document *Targets and indicators for animal genetic resources*,¹⁷ to monitor the implementation and impact of the *Global Plan of Action*;
- ii) invite FAO, together with partners, especially the Convention on Biological Diversity, to develop agreed definitions for what constitutes sustainable production and consumption, and sustainable management, in the livestock sector; and
- iii) review, at its next session, a revised version of the questionnaire for country progress reporting on the implementation of the *Global Plan of Action* that allows for more consistent interpretation and provides a more balanced coverage of the strategic priorities, collaboration and funding.

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

- i) further develop DAD-IS so as to facilitate the entry of data for all breed records, including those related to the new breed classification described in the document *Report of a consultation on the definition of breed categories*,¹⁸ and so as to give reporting countries the option of indicating that a given locally adapted breed is native to the respective country;
- ii) include the set of proposed resource indicators in future status and trends reports on animal genetic resources, and present trends in breed risk status in the status and trends reports based on the most up-to-date current and historical data available in DAD-IS at the time of calculation;
- iii) introduce, for the purpose of calculating risk status, a cut-off point of ten years, beyond which the risk status of a breed is considered to be unknown if no updated population data are reported; and
- iv) publish the proposed process indicators in future synthesis progress reports on the implementation of the *Global Plan of Action*.

27. The Working Group recommended that the Commission:

- i) invite donors to contribute support to enable the maintenance and development of DAD-IS as the global clearing-house mechanism for animal genetic resources;
- ii) urge countries to provide information on how their breeds recorded in DAD-IS should be assigned to the categories “exotic” and “locally adapted” for the purposes of calculating the proposed set of resource indicators; and
- iii) urge countries to update regularly their breed population data in DAD-IS, including data for exotic breeds.

IX. STATUS AND TRENDS OF MICRO-ORGANISMS FOR RUMINANT DIGESTION

28. The Working Group considered the document *Status and trends of micro-organisms for ruminant digestion*.¹⁹ The Working Group also noted the Background Study Paper (No. 61) *Micro-organisms and ruminant digestion: state of knowledge, trends and future prospects*, which presents more detailed information.

29. The Working Group recommended that the Commission:

¹⁷ CGRFA/WG-AnGR-7/12/7

¹⁸ CGRFA/WG-AnGR-7/12/Inf.7

¹⁹ CGRFA/WG-AnGR-7/12/8

- i) welcome the study *Micro-organisms and ruminant digestion: state of knowledge, trends and future prospects*, and emphasize the importance of rumen microbial diversity in the light of breed and dietary diversity and of global livestock production, environmental and health-related challenges;
- ii) request FAO to report on relevant developments in this field at the Commission's Fifteenth Regular Session, when it will review the work of the Intergovernmental Technical Working Groups on the application and integration of biotechnologies for the conservation and sustainable utilization of genetic resources for food and agriculture; and
- iii) request FAO to explore, as far as possible, the interactions between genotype and environment at the microbial level across a wide range of livestock breeds, and to continue to monitor, review and report on developments in the field of micro-organisms and ruminant digestion, including by addressing this issue in *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*.

X. ACCESS AND BENEFIT-SHARING FOR ANIMAL GENETIC RESOURCES

30. The Working Group considered the report of the First Session of the Ad hoc Technical Working Group on Access and Benefit-sharing for Genetic Resources for Food and Agriculture (ABS Working Group).²⁰ It took note of the working documents presented to the ABS Working Group²¹ and other available documents.

31. The Working Group welcomed the report of the First Session of the ABS Working Group, reviewed its recommendations and considered the distinctive features of genetic resources for food and agriculture requiring distinctive solutions for access and benefit-sharing, as identified by the ABS Working Group.²²

32. The Working Group welcomed the agreement by the ABS Working Group on the set of distinctive features. It recommended that the Commission request the Secretary to develop explanatory notes to the distinctive features identified, taking into account the specificities of subsectors, including animal genetic resources. In reviewing the distinctive features, as given in *Appendix B* to the document CGRFA/WG-AnGR-7/12/9, the Working Group highlighted several features which it considered of particular relevance to animal genetic resources, including: B.2; C.1 (with special consideration to the direction of current exchange practices of animal genetic resources – North-North, South-South, North-South – and the direction of potential future exchange from South to North, especially in the context of climate change); C.3 (with regard to international transboundary breeds); D.1; E.1; E.3; E.5; F.1 and F.2 (with regard to breeds for use in industrial production systems). The Working Group considered features D.4 and E.4 less relevant to animal genetic resources.

33. The Working Group endorsed the recommendations of the ABS Working Group relevant to animal genetic resources. It highlighted, in particular, the need for capacity-building and technical assistance activities with regard to access and benefit-sharing for animal genetic resources.²³ The Working Group stressed the need to develop model contractual clauses for subsectors of genetic resources²⁴ and recommended that the Commission also explore other

²⁰ CGRFA/WG-AnGR-7/12/9

²¹ *Distinctive features of genetic resources for food and agriculture* (CGRFA/WG-ABS-1/12/3); *Options to guide and assist countries in developing legislative, administrative and policy measures* (CGRFA/WG-ABS-1/12/4); *Possible modalities for addressing access and benefit-sharing for genetic resources for food and agriculture* (CGRFA/WG-ABS-1/12/5)

²² CGRFA/WG-AnGR-7/12/9, *Appendix B*

²³ CGRFA/WG-AnGR-7/12/9, paragraph 17 e

²⁴ CGRFA/WG-AnGR-7/12/9, paragraph 17 g

approaches for animal genetic resources. The Working Group supported the recommendation to request the Secretary of the Commission to prepare, based on regional consultations as well as submissions by governments, international organizations and all relevant stakeholders, draft elements for voluntary guidelines at the appropriate level for domestic legislative, administrative and policy measures for access and benefit-sharing for animal genetic resources for food and agriculture, taking account of the existing different instruments and stages of international discussions on access and benefit-sharing for different subsectors of genetic resources for food and agriculture.²⁵ It particularly stressed the importance of broad and inclusive regional consultations in the preparation of these voluntary guidelines, and the need to consider community protocols in relation to access to traditional knowledge associated with animal genetic resources. Consultations should include all relevant stakeholders, including breeding organizations and companies, livestock keepers and their organizations, research, advisory and extension services and gene banks, as well as regional networks. The Working Group highlighted the need for a descriptive matrix illustrating international practices, initiatives and instruments of relevance to the subsectors of genetic resources for food and agriculture.²⁶ The Working Group also recommended that in developing modalities, existing instruments such as the *Global Plan of Action* and its Funding Strategy, which may contain elements of a benefit-sharing instrument in support of developing-country needs, should also be taken into account.

XI. CLOSING STATEMENTS

34. 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.

35. Mr Tekola thanked the Working Group for its clear recommendations on the further development and operation of the Funding Strategy and on targets and indicators for monitoring progress in the implementation of the *Global Plan of Action*. He emphasized the importance of the country reporting process for *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*, and the importance of DAD-IS as a tool supporting the implementation of the *Global Plan of Action*. He noted the exemplary level of cooperation and compromise shown by countries and regions, both with respect to the project submissions under the Funding Strategy and during the Working Group session. He thanked the Chair and the Bureau for their hard work in ensuring an efficiently run meeting.

36. Ms Collette thanked the Working Group for the spirit of partnership and compromise that characterized the meeting. She noted the significance of the Working Group's recommendations concerning the timing of the preparation of *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture* and on the development of targets and indicators. She thanked the governments that have contributed financial support to FAO's animal genetic resources programme. She also thanked the Secretariat for its preparatory work and the Chair for his guidance during the meeting.

37. Mr Mariante concluded the meeting by reflecting on the substantial progress made and by thanking all delegates and observers, the Bureau, the Secretariat and the support staff for their contributions to the successful outcome of the meeting.

²⁵ CGRFA/WG-AnGR-7/12/9, paragraph 17 i

²⁶ CGRFA/WG-AnGR-7/12/9, paragraph 17 j

APPENDIX A

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

1. Election of Chair, Vice-Chair(s) and *Rapporteur*
2. Adoption of the agenda and timetable
3. Implementation of the *Global Plan of Action for Animal Genetic Resources* and the *Interlaken Declaration*
 - 3.1 Review of the implementation of the *Global Plan of Action for Animal Genetic Resources*
 - 3.2 Draft technical guidelines for the implementation of the *Global Plan of Action for Animal Genetic Resources*
 - 3.3 Review of implementation of the Funding Strategy for the implementation of the *Global Plan of Action for Animal Genetic Resources*
 - 3.4 Roles of small-scale livestock keepers in the conservation and sustainable use of animal genetic resources
4. Preparation of *The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture*
5. Targets and indicators for animal genetic resources
6. Status and trends of micro-organisms for ruminant digestion
7. Access and benefit-sharing for animal genetic resources
8. Other business
9. Adoption of the Report

APPENDIX B

LIST OF DOCUMENTS

Working Documents

CGRFA/WG-AnGR-7/12/1	Provisional agenda
CGRFA/WG-AnGR-7/12/1 Add.1	Provisional annotated agenda and timetable
CGRFA/WG-AnGR-7/12/2	Implementation of the <i>Global Plan of Action for Animal Genetic Resources</i> and the <i>Interlaken Declaration</i>
CGRFA/WG-AnGR-7/12/3	Draft technical guidelines for the implementation of the <i>Global Plan of Action for Animal Genetic Resources</i>
CGRFA/WG-AnGR-7/12/4	Review of the Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources
CGRFA/WG-AnGR-7/12/5	Roles of small-scale livestock keepers in the conservation and sustainable use of animal genetic resources
CGRFA/WG-AnGR-7/12/6	Preparation of <i>The Second Report on the State of the World's Animal Genetic Resources for Food and Agriculture</i>
CGRFA/WG-AnGR-7/12/7	Targets and indicators for animal genetic resources
CGRFA/WG-AnGR-7/12/8	Status and trends of micro-organisms for ruminant digestion
CGRFA/WG-AnGR-7/12/9	Report of the First Session of the Ad hoc Technical Working group on Access and Benefit-sharing for Genetic Resources for Food and Agriculture

Information documents (in English only)

CGRFA/WG-AnGR-7/12/Inf.1	Statutes of the Intergovernmental Technical Working Group on Animal Genetic Resources for Food and Agriculture, and Members elected by the Twelfth Regular Session of the Commission
CGRFA/WG-AnGR-7/12/Inf.2	Detailed FAO progress report on the implementation of the <i>Global Plan of Action for Animal Genetic Resources</i>
CGRFA/WG-AnGR-7/12/Inf.3	Synthesis progress report on the implementation of the <i>Global Plan of Action for Animal Genetic Resources – 2012</i>
CGRFA/WG-AnGR-7/12/Inf.4	Status and trends of animal genetic resources – 2012
CGRFA/WG-AnGR-7/12/Inf.5	Draft Strategic Plan for the Commission on Genetic Resources for Food and Agriculture 2014-2021

CGRFA/WG-AnGR-7/12/Inf.6	Draft guidelines on <i>in vivo</i> conservation of animal genetic resources
CGRFA/WG-AnGR-7/12/Inf.7	Report of a consultation on the definition of breed categories
CGRFA/WG-AnGR-7/12/Inf.8	List of documents
CGRFA/WG-AnGR-7/12/Inf.9	List of delegates and observers

Other documents

Distinctive features of genetic resources for food and agriculture (CGRFA/WG-ABS-1/12/3)

Options to guide and assist countries in developing legislative, administrative and policy measures (CGRFA/WG-ABS-1/12/4)

Possible modalities for addressing access and benefit-sharing for genetic resources for food and agriculture (CGRFA/WG-ABS-1/12/5)

Views of the European Regional Group on possible modalities for addressing access and benefit-sharing (ABS) for genetic resources for food and agriculture (GRFA), and on options to guide and assist countries in developing legislative, administrative and policy measures (CGRFA-14/13/Circ.1)

Report of the International Technical Expert Workshop: Exploring the need for specific measures for access and benefit-sharing of animal genetic resources for food and agriculture (CGRFA-13/11/Circ.1)

Micro-organisms and ruminant digestion: state of knowledge, trends and future prospects

Funding Strategy for the Implementation of the Global Plan of Action for Animal Genetic Resources

Preparation of national strategies and action plans for animal genetic resources

Developing the institutional framework for the management of animal genetic resources

Breeding strategies for sustainable management of animal genetic resources

Surveying and monitoring of animal genetic resources

Molecular genetic characterization of animal genetic resources

Phenotypic characterization of animal genetic resources

Cryoconservation of animal genetic resources

Adding value to livestock diversity – Marketing to promote local breeds and improve livelihoods

Invisible guardians – Women manage livestock diversity

Animal Genetic Resources - an international journal • Ressources Génétiques Animales - un journal international • Recursos Genéticos Animales - una revista internacional No 48

Animal Genetic Resources - an international journal • Ressources Génétiques Animales - un journal international • Recursos Genéticos Animales - una revista internacional No 49

Animal Genetic Resources - an international journal • Ressources Génétiques Animales - un journal international • Recursos Genéticos Animales - una revista internacional No 50

Domestic Animal Diversity Network survey 2012 – summary of results

APPENDIX C

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

<i>Composition</i> (<i>no. of countries per region</i>)	<i>Country</i>
Africa (5)	Congo
	Kenya
	Mauritania
	Sierra Leone
	Zimbabwe
Asia (5)	China
	Malaysia
	Mongolia
	Republic of Korea
	Thailand
Europe (5)	Germany
	Slovenia
	Sweden
	Switzerland
	The Netherlands
Latin America and the Caribbean (5)	Argentina
	Brazil
	Costa Rica
	Cuba
	Suriname
Near East (3)	Afghanistan
	Egypt
	Islamic Republic of Iran
North America (2)	Canada
	United States of America
Southwest Pacific (2)	Cook Islands
	Fiji
