



LEGAL AND POLICY FRAMEWORKS AFFECTING THE MANAGEMENT OF ANIMAL GENETIC RESOURCES - 2013 -

Country: Sudan

SECTION 1: SUSTAINABLE USE, DEVELOPMENT AND CONSERVATION OF ANIMAL GENETIC RESOURCES

This section targets information on legislation and policies related specifically to the management of animal genetic resources, i.e. to:

- characterization, surveying and monitoring;
- sustainable use and development;
- conservation; and
- research and development related to animal genetic resources management.

It also includes issues related to patenting and access and benefit sharing. Instruments in these fields of action may or may not include specific provisions related to animal genetic resources or to relevant broader categories such as living organisms or genetic resources for food and agriculture.

1. Overall management of animal genetic resources

Note: In the policy field, this might include, for example, a national strategy and action plan for animal genetic resources.

Legislation Policy

Details of the measure(s)

Initiative and committee to deal with formulating breeding policies since July 2007.

Impact on animal genetic resources management

Not yet clarified because the suggested breeding policy is under ratification.

Future needs

Technical support and building capacity.

2. Integration of animal genetic resources management with the management of other genetic resources for food and agriculture (plant, forest or aquatic genetic resources)

Legislation Policy

Details of the measure(s)

Publication titled STOCKTAKING & NATIONAL BIODIVERSITY TARGETS SETTING REPORT.

Impact on animal genetic resources management

Activation of setting breeding policies and FAnGR management plan.

Future needs

Technical support.

3. Surveying and monitoring of animal genetic resources

Legislation Policy

Details of the measure(s)

A primary phenotypic characterization (Kenana, Butana & Arishy cattle breed) had been done since 2005, but unfortunately without defined plan.

Impact on animal genetic resources management

Not yet.

Future needs

Technical support to strength advanced characterization (phenotypic and genetic) with great emphasis on molecular genetic characterization.

4. Official recognition of livestock breeds

Legislation

Policy

Details of the measure(s)

A training course has been performed from 15 to 24 December 2013 with the objectives to dwell the art and techniques of phenotypic characterization under the umbrella of Ministry of Livestock. The targeted candidates are 35 persons from all the Sudan States, in order to establish focal points in such states to carry out phenotypic characterization in the future.

Impact on animal genetic resources management

Promotion of phenotypic characterization in order to activate updating of FAnGR in DAD-IS and documentation.

Future needs

If possible technical support to promote this activities.

5. Animal breeding and genetic improvement strategies

Legislation

Policy

Details of the measure(s)

Initiative and advisory committee has been nominated and waiting for ratification from the Minister.

Impact on animal genetic resources management

Guide the breeding policy especially those dealing crossbreeding and conservation of native breeds.

Future needs

Technical support.

Do these measures address:

5.1 Animal identification and recording

Note: Sections 2 and 3 include questions on traceability and on animal identification as it relates to animal health. If relevant, please use cross-references to indicate that a given law or policy affects more than one field of action.

Legislation

Policy

Details of the measure(s)

General Directorate of Vet.Supply has been activated as an intact cooperation.

Impact on animal genetic resources management

Identification of the import livestock.

Future needs

Technical support to establish an identification and traceability department within the AnGR Development Directorate.

5.2 The establishment and operation of breeders' associations

Legislation

Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

6. Use of reproductive biotechnologies (excluding zoosanitary issues)

Note: Zoosanitary issues are covered in Section 3.

Legislation Policy

Details of the measure(s)

Sudan had previous experience dealing with AI since 1970 as well as ET since 1980.

Impact on animal genetic resources management

Wider application of crossbreeding practices.

Future needs

Technical assistance and defined breeding policy.

7. Genetic modification of animals used for food and agriculture

Legislation Policy

Details of the measure(s)

The country has been embarked with setting quality control committee dealing with such issues.

Impact on animal genetic resources management

Nothing to say till now.

Future needs

Building capacity and awareness.

8. Suitability of imported genetic material for use in local production environments

Note: For example, rules requiring a "genetic assessment" before genetic material can be introduced.

Legislation Policy

Details of the measure(s)

Only semen importing undergone quality control at the airport.

Impact on animal genetic resources management

increasing productivity.

Future needs

Technical support.

9. Conservation programmes for animal genetic resources

Legislation Policy

Details of the measure(s)

In situ conservation Livestock stations has been developed in the country since 1946 for cattle (Butana, kenana, Baggra), 1961 for sheep (Ashagar, Dubasi, Watish) and recently another sheep Station has been established since 1998 for Hamari and Kabashi sheep and in 2008 & 2012, two goat station has been established that deals with Sudanese Nubian goat population.

Impact on animal genetic resources management

Conserve these local Sudanese Livestock and develop nucleus herd/flock in the long term.

Future needs

Technical support.

Do these measures include provisions specifically related to:

9.1 In vivo conservation

Legislation Policy

Details of the measure(s)

Semen will be collected from elite males.

Impact on animal genetic resources management

Dissemination of improved genotypes.

Future needs

Technical support in developing biobanking and cryconservation infrastructure.

9.2 Cryoconservation

Legislation

Policy

Details of the measure(s)

National artificial insemination centres has been established a round Khartoum and Gezira state.

Impact on animal genetic resources management

Conservation of local cattle breeds and dissemination of introduced genotypes used for crossbreeding.

Future needs

Technical support with development of biobanking and sample vitrification techniques.

10. Research and development related to animal genetic resources management

Legislation

Policy

Details of the measure(s)

8 specialized research stations dealing with cattle, sheep, goat and camels have been distributed through the country.

Impact on animal genetic resources management

On-station characterization.

Future needs

Technical support with data base formulation, genetic evaluation packages and molecular genetic characterization.

11. Patenting

Legislation

If legislation is place or under development, does/will it include provisions (including exemptions) specifically targeting:

Animal genetic resources for food and agriculture

Living organisms in general

Details of the measure(s)

Impact on animal genetic resources management

Future needs

12. Access and benefit sharing arrangements

Note: The Secretariat of the Commission on Genetic Resources for Food and Agriculture, on 8 August 2013, invited countries to report on the conditions under which genetic resources for food and agriculture are exchanged and used (Circular State Letter C/ NRD-5). Please coordinate responses within your country.

Legislation

Policy

If instruments are in place or under development, do/will they include provisions (including exemptions) specifically targeting:

Animal genetic resources for food and agriculture

Genetic resources for food and agriculture in general

Details of the measure(s)

Impact on animal genetic resources management

Future needs

SECTION 2: MARKETING AND CONSUMER INFORMATION AND PROTECTION

This section targets information on legislation and policies addressing the marketing of animal products, including those addressing:

- the production and marketing of organic products;
- the production and marketing of products sold under protected designations of origin or similar labels;
- production and marketing of products sold under labels indicating adherence to animal-welfare-related standards; and
- food safety.

While some policies and legislation in these fields of action may include specific references to animal genetic resources, it is likely that many will not. The latter may, nonetheless, have indirect effects on animal genetic resources and their management. Consumer demand for animal products often has a major influence on the use and development of animal genetic resources. A lack of demand may place a breed at risk of extinction. Marketing initiatives for breed-specific products, or products from production systems in which locally adapted breeds are kept, can provide a means of promoting the use of at-risk breeds and reducing the risk that they will become extinct. Legislation and policies that facilitate initiatives of this kind can have a positive effect in terms of the maintenance of animal genetic diversity. Conversely, legislation and policies that inhibit the marketing of particular types of products, or products from particular locations or production systems, may inhibit the use of animal genetic resources associated with these products, locations or production systems.

1. Marketing of animal products in general

Note: This question refers to measures that are not specifically focused on market subsectors such as organic products or products with designated labels of origin.

Legislation

Policy

Details of the measure(s)

Specialized Steering Committee has been developed under the umbrella of the Sudanese General Calibration and Standardization Cooperation dealing with such issues.

Impact on animal genetic resources management

Not yet.

Future needs

Building capacity with such issue.

2. Production and marketing of organic products

Legislation

Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

3. Production and marketing of products sold under protected designations of origin or similar labels

Legislation

Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

4. Production and marketing of products sold under labels indicating adherence to particular animal welfare-related standards

Note: For example, rules relating to the marketing of products as “free range” or under similar designations. Basic animal welfare legislation (i.e. not specifically related to marketing) is covered in Section 3.

Legislation

No

Policy

No

Details of the measure(s)

Impact on animal genetic resources management

Future needs

5. Safety of food products from animals

Note: If relevant, include measures related to the marketing of products derived from genetically modified organisms.

Legislation

Yes

Policy

Yes

Details of the measure(s)

Impact on animal genetic resources management

Future needs

6. Traceability of animal-origin products

Note: Sections 1 and 3 include questions on animal identification as it relates to breeding and to animal health. If relevant, please use cross-references to indicate that a given law or policy affects more than one field of action.

Legislation

Under development

Policy

Under development

Details of the measure(s)

Specialized Steering Committee has been developed under the umbrella of the Sudanese General Calibration and Standardization Cooperation dealing with such issues.

Impact on animal genetic resources management

Not Yet.

Future needs

Strengthen technical assistance in this field.

SECTION 3: ANIMAL HEALTH AND WELFARE

This section targets information on legislation and policies addressing animal health and animal welfare. While some policies and legislation in these fields may include specific references to animal genetic resources, it is likely that many will not. The latter may, nonetheless, have indirect effects on animal genetic resources and their management. Animal genetic resources and their management can be affected both by the direct effects of animal diseases and by the effects of measures taken to control animal diseases. For example, a disease epidemic may threaten the existence of at-risk breeds, particularly if their populations are concentrated geographically. Animal diseases, as influenced by the presence or absence of effective animal health services, can also influence the type of animal genetic resources that can be kept in particular locations, influence breeding objectives and/or affect the economic sustainability of livestock-keeping livelihoods. Compulsory culling measures used to control disease epidemics may pose a threat to geographically concentrated breed populations. Legal restrictions on the import of genetic material because of zoonosanitary reasons may affect breeders' access to genetic resources. Legal restrictions on livestock movements, restrictions on particular husbandry practices, or onerous requirements for animal health-related actions on the part of livestock keepers (or in the food processing and marketing chain), may inhibit the keeping of animal genetic resources associated with the production systems targeted. Zoonosanitary legislation related to the use of semen, embryos and other genetic materials may have implications for cryoconservation programmes. Legal and policy frameworks related to animal welfare might promote or inhibit the keeping of animals in particular production systems or the use of animals to provide specific products or services. In turn, these developments might promote or inhibit the continued use of the animal genetic resources associated with the respective production systems, products or services.

1. Delivery of animal health services and control of animal diseases

Legislation Policy

Details of the measure(s)

Sudan is a member of OIE.

Impact on animal genetic resources management

Augmenting and conservation of FAnGRs.

Future needs

Technical support with respect to the adherence & harmonization of the global phytosanitary regulation.

Do these measures include provisions specifically related to:

1.1 Animal identification

Note: Sections 1 and 2 include questions on animal identification as it relates to breeding and on traceability. If relevant, please use cross-references to indicate that a given law or policy affects more than one field of action.

Legislation Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

1.2 Control of the import of animal genetic resources (live breeding animals and/or germplasm) for zoonosanitary reasons

Legislation

Details of the measure(s)

Impact on animal genetic resources management

Future needs

1.3 Control of the export of animal genetic resources (live breeding animals and/or germplasm) for zoosanitary reasons

Legislation

Details of the measure(s)

Impact on animal genetic resources management

Future needs

1.4 Zoosanitary rules related to the use of reproductive technologies

Legislation

Details of the measure(s)

Impact on animal genetic resources management

Future needs

1.5 Control of livestock movements (within the country) for zoosanitary reasons

Legislation

Details of the measure(s)

Impact on animal genetic resources management

Future needs

1.6 Restrictions or compulsory actions related to husbandry practices (for zoosanitary reasons)

Legislation

Details of the measure(s)

Impact on animal genetic resources management

Future needs

1.7 Compulsory culling in the event of outbreaks of specific diseases

Legislation

If legislation is in place or under development, does/will it include provisions to protect at-risk animal genetic resources from the effects of culling programmes?

Details of the measure(s)

Impact on animal genetic resources management

Future needs

2. Animal welfare

Legislation

No

Policy

No

Details of the measure(s)

Impact on animal genetic resources management

Future needs

SECTION 4: AGRICULTURE, LAND USE AND NATURAL RESOURCES MANAGEMENT

This section targets information on legislation and policies that address the overall management of the production systems, ecosystems and environments within which animal genetic resources are used and developed. The questions address the following main topics:

- general frameworks or strategies for rural development;
- agriculture, land use and natural resources management;
- management of biodiversity;
- other aspects of environmental protection;
- overall livestock-sector development;
- management of rangelands and other grazing lands;
- establishment of livestock farms or holdings
- establishment and operation of civil society organizations in the livestock sector
- participation of livestock keepers in decision-making in livestock-sector development; and
- prevention, preparedness and response to natural or human-induced disasters

While some policies and legislation in these fields may include specific references to animal genetic resources, it is likely that many will not. The latter may, nonetheless, have indirect effects on animal genetic resources and their management. For example, policies and legislation that promote or constrain the keeping of livestock in particular production systems, for particular purposes or in particular geographical areas may promote or discourage the use of the animal genetic resources associated with these systems/uses/locations (hence possibly affecting their risk status), lead to the establishment of breeding objectives targeting the development of animals suitable for the favoured systems/uses/locations or lead to the import of genetic resources suitable for these systems/uses/locations.

1. General framework or strategy for sustainable agriculture, land use and natural-resources management

Note: This question relates to broad strategic-level instruments such as national agricultural or rural development policies, strategies or laws. Instruments related to specific aspects of agricultural and rural development should be described under other questions as and where relevant.

Legislation

Under development

Policy

Under development

Details of the measure(s)

Impact on animal genetic resources management

Future needs

2. Management of biodiversity

Note: Please use this question to provide information on the general framework for managing all aspects of the country's biodiversity (e.g. instruments related to the designation and management of protected areas). Include, for example, information on whether animal genetic resources issues are included in your country's National Biodiversity Strategy and Action Plan and on any provisions addressing potential conflicts, or perceived conflicts, between the management of animal genetic resources and the management of other elements of biodiversity. Specific animal genetic-resources-related instruments (e.g. National Strategy and Action Plans for Animal Genetic Resources) should be reported in Section 1 (Question 1).

Legislation Policy

Details of the measure(s)

Stocktaking & National Biodiversity Targets Setting Report, an initiative published by National Biodiversity Planning to Support the Implementation of CBD 2011-2020 Strategic Plan in Republic of Sudan.

Impact on animal genetic resources management

Strengthen initiatives towards AnGR management and conservation.

Future needs

Technical assistance with respect FAnGR uses, policies and conservation.

3. Environmental protection

Note: Instruments specifically targeting the management of biodiversity are covered under Question 2. Please use this question to provide information on instruments addressing other environmental issues (e.g. addressing pollution of land and water, deforestation, climate change, water use or flood protection). If an instrument addresses both biodiversity and other aspects of environmental protection, please indicate this using a cross-reference to your answer to Question 2.

Legislation Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

4. Overall development of the livestock sector

Note: This question relates to broad strategic-level instruments addressing the livestock sector as a whole, such as national livestock development strategies or laws. Instruments related to specific aspects of livestock development should be described under other questions as and where relevant.

Legislation Policy

If provisions are in place or under development do/will they include:

Particular provisions aimed at supporting livestock keeping in harsh production environments

Note: Please consider direct and indirect forms of support (e.g. grants or subsidies, favourable access to credit or livestock services, facilitation of market access).

Legislation Policy

Particular provisions aimed at supporting large-scale, high external input or export-oriented production systems or supporting management practices associated with such systems

Note: Please consider direct and indirect forms of support (e.g. grants or subsidies, subsidized inputs, favourable access to credit or livestock services, support for infrastructure development or mechanization).

Legislation Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

5. Management of and access to rangelands or other grazing lands

Legislation Policy

Details of the measure(s)

Range management and grazing act.

Impact on animal genetic resources management

Future needs

6. Establishment of livestock farms or holdings

Note: This question relates to planning rules related to the size, location, ownership, registration, etc. of livestock farms or holdings.

Legislation

Policy

Details of the measure(s)

A specialized department has been embarked with such issues and termed "Livestock Technical Office" under the umbrella of General directorate of Livestock development.

Impact on animal genetic resources management

Arrangements of the activities dealing with livestock business.

Future needs

7. Establishment and operation of civil society organizations in the livestock sector

Note: Instruments specifically related to organizations focused on breeding (genetic improvement) activities are covered in Section 1 (Question 5.2). Please use the present question to provide information on instruments of a more general nature (e.g. related to the operation of cooperative societies or community organizations).

Legislation

Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

8. Participation of livestock keepers in decision-making related to the development of the livestock sector

Legislation

Policy

Details of the measure(s)

Specialized entity like Animal Production Chamber and herders union.

Impact on animal genetic resources management

Future needs

9. Prevention, preparedness and response to natural or human-induced disasters

Legislation

Policy

If instruments are place or under development, do/will they include any provisions specifically targeting:

Animal genetic resources

Note: For example, measures targeting the protection of at-risk breeds.

Legislation

Policy

Livestock in general

Legislation

Policy

Details of the measure(s)

Impact on animal genetic resources management

Future needs

SECTION 5: ADDITIONAL INFORMATION

Please provide information on any aspects of your country's legal and policy framework that affect animal genetic resources and their management but are not covered by any of the questions above.

Submit by e-mail