



**International organization progress report
on the implementation of
the Global Plan of Action for Animal Genetic Resources
2007-2013**

1. Contact information and mandate

Name and position of respondent	ANDREA ROSATI, SECRETARY GENERAL
Name of organization	ICAR - INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING
E-mail of organization	rosati@icar.org ; icar@icar.org
Geographical coverage of your organization	GLOBAL

2. Animal species coverage of your organization

General livestock-related mandate	<input type="checkbox"/>
Large ruminants	<input checked="" type="checkbox"/>
Small ruminants	<input checked="" type="checkbox"/>
Pigs	<input type="checkbox"/>
Poultry	<input type="checkbox"/>
Rabbits & micro livestock	<input type="checkbox"/>
Camelidae	<input checked="" type="checkbox"/>
Equines	<input type="checkbox"/>

Strategic Priority Area 1: Characterization, Inventory and Monitoring

1. Does your organization implement or support the implementation of projects or programmes on phenotypic characterization of animal genetic resources?

- Yes
No

If yes, please provide details and specify the countries and species involved and whether you include characterization of production environments:

2. Does your organization implement or support the implementation of projects or programmes on molecular characterization of animal genetic resources?

- Yes
- No

If yes, please provide details and specify the countries and species involved:

Molecular characterisation is applied in dairy and beef cattle for parentage verification and parental assignment, traceability of beef product and autetication of beef products with certified breed origin, marker assisted selection, diseases resistance and genetic defects.

3. Does your organization implement or support the implementation of projects or programmes for surveying the size and/or structure of animal genetic resources populations and monitoring population trends?

- Yes
- No

If yes, please provide details and specify the countries and species involved:

4. Does your organization implement or support the implementation of projects or programmes for identifying and monitoring threats to animal genetic resources?

- Yes
- No

If yes, please provide details and specify the countries and species involved:

5. Does your organization support countries in the development of early warning and response systems for animal genetic resources?

- Yes
- No

If yes, please provide details and specify the countries and species involved:

6. Is your organization involved in research and development on methods, technical standards or protocols for phenotypic or molecular characterization, surveying and monitoring of population size or threats to animal genetic resources, or breed evaluation, valuation and comparison?

Phenotypic characterization

- Yes
- No

Molecular characterization

- Yes

No

Surveying and monitoring

Yes

No

If yes, participatory monitoring

Yes

No

Breed evaluation or comparison

Yes

No

Economic valuation

Yes

No

Please provide details:

Phenotypic characterisation is applied in conformation recording in cattle. Molecular characterization as above. Surveying and monitoring of local sheep and goat breeds within the national schemes for milk recording and genetic improvement. Breed evaluation is done on the basis of recording of production and functional traits of cattle.

7. Has your organization identified major obstacles to inventory, characterization and monitoring of animal genetic resources in all or part of your mandate area or species coverage?

Yes

No

If yes, please list them being as specific as possible regarding geographical area / species:

8. What are the priority measures that need to be taken to address these obstacles?

9. Please describe any additional activities relevant to the implementation of Strategic Priority Area 1: Characterization, inventory and monitoring of trends and associated risks.

Strategic Priority Area 2: Sustainable Use and Development

1. Does your organization support countries in developing, reviewing or adjusting their national policies affecting the sustainable use of animal genetic resources?

Yes

No

If yes, please provide details and specify the countries and species involved:

Mainly in providing technical support for the establishment of national identification and registration systems and in developing animal recording.

2. Does your organization promote agro-ecosystem approaches?

Yes

No

If yes, please provide details:

3. Does your organization contribute to the planning or implementation of strategic breeding programmes?

Mainstream breeds

Yes

No

Under-utilized breeds

Yes

No

If yes, please provide details (including the breeds involved) being as specific as possible:

Animal recording and genetic evaluation is applied almost exclusively for mainstream cattle breeds in all countries with ICAR members. In some countries there are breeding programs for under-utilised breeds, mainly for sheep, goats and pigs.

4. Does your organization contribute to the development of recording systems or organizational structures for breeding programmes?

Yes

No

If yes, please provide details (including the breeds involved) being as specific as possible:

The ICAR mission is to promote and support animal identification, registration, recording of production and functional (health, longevity, fertility, conformation) traits and national and international genetic evaluation. Promotion is carried out through dissemination of information and exchange of experience (biennial sessions, technical workshops and symposia, publications, website) including targeted actions in developing and emerging countries and technical support and services to Member organizations (testing and approval of identification and recording devices, international genetic evaluation of dairy and beef cattle by ICAR Sub-Committee INTERBULL).

5. If the projects and programmes that your organization implements or supports involve the use of exotic breeds, have any assessments been made of the long-term impacts of the use of exotic breeds on animal genetic resource diversity, livelihoods and/or food security in the affected countries and production systems?

Yes

No

No projects or programmes involving exotic breeds

If yes, please provide details:

6. Has your organization implemented or supported the implementation of animal genetic resources-related projects that aim at achieving sustainable intensification of production?

Yes

No

If yes, please provide details and specify the countries and animal genetic resources involved:

Participation in the EU project "Bright Farm by Precision Livestock Farming"

7. Does your organization contribute to the development of mechanisms for facilitating interactions among stakeholders, scientific disciplines and sectors as part of planning for sustainable use development of animal genetic resources?

Yes

No

If yes, please provide details and specify the countries or regions involved:

Through biennial sessions, technical workshops and dissemination of information.

8. Do your organization's activities contribute to improving farmers' and livestock keepers' knowledge of animal genetic resources from various sources?

Yes

No

If yes, please provide details and specify the countries and types of animal genetic resources involved:

9. Do your organization's activities contribute to improving farmers' and livestock keepers' access to animal genetic resources from various sources?

Yes

No

If yes, please provide details and specify the countries and types of animal genetic resources involved:

10. Does your organization contribute to the development of agreements for equitable sharing of benefits arising from access to and use and development of, animal genetic resources?

Yes

No

If yes, please provide details:

11. Does your organization contribute to efforts to preserve and respect indigenous or local production systems and associated traditional knowledge and practices related to animal genetic resources?

Yes

No

If yes, please provide details:

12. Does your organization implement or support the implementation of projects that aim to promote the marketing of products from local breeds or local production systems?

Yes

No

If yes, please provide details and specify the breeds and production systems involved:

Partly through support to the development of systems of traceability of beef products and authentication of breed products with certified breed origin.

13. Has your organization identified obstacles to enhancing the sustainable use and development of animal genetic resources?

Yes

No

If yes, please provide details:

14. What are the priority measures that need to be taken to address these obstacles?

15. Does your organization provide, or support the provision of, training or technical support programmes for animal breeding activities in pastoralist and farming communities?

Yes

No

If yes, please provide details:

16. Has your organization identified priorities for future training or support programmes to enhance the use and development of available animal genetic resources?

Yes

No

If yes, please provide details of the priority activities, being as specific as possible:

17. Please describe any additional activities relevant to the implementation of Strategic Priority Area 2: Sustainable use and development.

Strategic Priority Area 3: Conservation

1. Is erosion of animal genetic resources occurring in any of the countries or regions in which your organization is active?

- Yes
- No
- Do not know

If yes, please describe. Please be as specific as possible and indicate which factors or drivers affect which species in which countries or regions:

Mainly through an increased use of mainstream breeds.

2. Does your organization support the establishment of emergency response systems that provide for immediate action to maintain threatened breeds?

- Yes
- No

If yes, please provide details:

3. Does your organization take or support actions to protect breeds and populations that are at risk from natural or human-induced disasters?

- Yes
- No

If yes, please provide details:

4. From your organizational point of view, how would you judge the state of conservation policies for animal genetic resources in the countries and regions in which you operate?

ICAR has no data and information on the state of conservation in countries with ICAR members.

5. What types of conservation measures for animal genetic resources does your organization implement or support the implementation of?

In situ

- Yes

No

Ex situ in vivo

Yes

No

Ex situ in vitro

Yes

No

Please provide details, and specify the countries and animal genetic resources involved:

6. If your organization maintains *ex situ* collections of animal genetic resources, could you please provide further information on these collections?

7. Is your organization conducting research to further develop methods and technologies for *in situ* or *ex situ* conservation of animal genetic resources?

Yes

No

If yes, please briefly describe the research:

8. Has your organization identified major obstacles to enhancing the conservation of animal genetic resources?

Yes

No

If yes, please provide details:

9. What are the priority measures that need to be taken to address these obstacles?

10. From your organizational point of view, what are the priority requirements for enhancing conservation measures for animal genetic resources in the countries and regions in which you operate? Please list the requirements, being as specific as possible:

11. Please describe any additional activities relevant to the implementation of Strategic Priority Area 3: Conservation.

Strategic Priority Area 4: Policies, Institutions and Capacity-building

1. Does your organization support or facilitate the establishment of institutional frameworks for planning and implementing animal genetic resources programmes?

- Yes
No

If yes, please provide details and specify the countries or regions involved:

2. Does your organization support countries in formulating or implementing national strategies and action plans for animal genetic resources?

- Yes
No

If yes, please provide details and specify the countries involved:

3. Does your organization contribute to the development of regulatory frameworks or legislation for animal genetic resources?

- Yes
No

If yes, please provide details and specify the countries or regions involved:

4. Does your organization have a database or information system for animal genetic resources-related data?

- Yes
No

If yes, please describe the purpose and contents of the system and, if relevant, how frequently data are updated:

5. Does your organization have collaborative links to other stakeholders involved in the management of animal genetic resources (e.g. the breeding industry, livestock keepers, government agencies, research institutes and civil society organizations)?

- Yes
No

If yes, please provide details:

ICAR coordinates its activities with national and world breed federations of dairy and beef cattle.

6. Does your organization cooperate with breeders' organizations?

- Yes
No

If yes, please provide details:

Regular meetings of presidents of world breed federations and representatives of ICAR are hold during biennial sessions and technical workshops. Main fields of cooperation are animal identification and parentage recording and verification.

7. Has your organization supported the establishment or strengthening of community-based organizations, networks or initiatives for sustainable use, breeding or conservation?

- Yes
No

If yes, please provide details:

8. Does your organization implement or support the implementation of training or capacity-building programmes for animal genetic resources management?

- Yes
No

If yes, please provide details and specify countries involved:

Global and regional (e.g. Latin American workshop in cooperation with FAO) technical workshops and dissemination of information.

9. Has your organization identified priorities for future animal genetic resources-related capacity-building and education?

- Yes
No

If yes, please provide details:

10. Does your organization implement or support the implementation of programmes to increase public awareness of the roles and values of animal genetic resources?

- Yes
No

If yes, please provide details:

11. Please describe any additional activities relevant to the implementation of Strategic Priority Area 4: Policies, institutions and capacity-building.

Implementation and Financing of Global Plan of Action for Animal Genetic Resources

1. Has your organization's budget for activities supporting the implementation of the Global Plan of Action and animal genetic resources programmes increased since the plan's adoption in September 2007?

- Yes
- No

Please provide details:

2. Has your organization contributed to the establishment or strengthening of international research and/or education programmes to assist developing countries or countries with economies in transition to better manage animal genetic resources?

- Yes
- No

If yes, please provide details:

Global and regional workshops, dissemination of information

3. Has your organization contributed to the establishment or strengthening of international programmes to assist developing countries or countries with economies in transition to obtain training and technologies or develop information systems related to animal genetic resources?

- Yes
- No

If yes, please provide details:

Regional workshop for Latin America in cooperation with FAO.

4. Has your organization provided funding to countries for the implementation of the Global Plan of Action for Animal Genetic Resources?

- Yes
- No

If yes, please provide details and specify the countries involved:

5. Has your organization contributed to establishing or strengthening international collaboration with regard to:

Characterization of animal genetic resources

Yes

No

Use and development of animal genetic resources

Yes

No

Conservation of transboundary breeds

Yes

No

Please provide details and specify the countries involved:

6. Does your organization collaborate with national or international non-governmental organizations (NGOs) in the fields of:

Characterization

Yes

No

Sustainable intensification

Yes

No

Conservation of breeds at risk

Yes

No

Please provide details and specify the countries involved:

Methods for animal identification and recording are applicable also in case of endangered breeds and populations.

7. Please describe any additional activities relevant to the implementation and financing of the Global Plan of Action for Animal Genetic Resources: