



## International organization progress report on the implementation of the Global Plan of Action for Animal Genetic Resources 2007-2011

### 1. Contact information and mandate

Name and position of respondent	Andrea Rosati, Secretary General
Name of organization	European Federation of Animal Science (EAAP)
E-mail of organization	andrea@eaap.org
Geographical coverage of your organization	European and some non-European Mediterranean countries

### 2. Animal species coverage of your organization

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

Participation in the EU-funded GLOBALDIV project as a partner in charge of socio-economic aspects of AnGR and of dissemination of information (project Newsletter, preparation and publication of review papers).

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:

As above.

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:

As above.

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:

Partly, through the work of the Council Working Group on Animal Genetic Resources (WG AnGR).

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:

EAAP has no mechanisms to support development of early warning systems.

**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:

Molecular characterization - through programmes of EAAP's annual meetings, e.g. the 2007 meeting had a session on molecular genetics.

Phenotypic characterization and breed evaluation - through sessions held at EAAP's annual meetings in 2008, 2009 and 2010 (AnGR, adding values to local breeds, what future for local breeds?)

Economic evaluation - partly through the GLOBALDIV Project.

**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:

Decline in resources and the pace of action in some countries, particularly those affected by financial crisis.

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

Intensified action of international organizations and national NGOs, greater involvement of the institutions of civil society.

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

The EAAP WG AnGR encourages the use of DNA technology in characterization (microsatellites and SNP).

## 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:

Indirectly, by providing science-based tools and methods as presented at annual meetings.

**2. Does your organization promote agro-ecosystem approaches?**

Yes

No

If yes, please provide details:

Annual meeting 2011 - session on local breeds and the environment in collaboration with the European Regional Focal Point for Animal Genetic Resources (ERFP).

**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:

Themes on the future of local breeds at the EAAP annual meeting in Barcelona in 2009. The basic programmes of the EAAP's Study Commissions focus on mainstream breeds.

**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:

Indirectly, by providing science-based tools and methods.

**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:

**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:

Participation of representatives of the scientific community, governments and industry at EAAP annual meetings contributes to interaction among stakeholders. Basic geographic coverage includes Europe, the Mediterranean and the Central Asia, but annual meetings are becoming global in character through the participation of increased numbers of non-Europeans, particularly from the Americas.

**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:

Partly, through themes and studies related to the future and sustainable utilization of local breeds.

**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:

**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:

The GLOBALDIV Project identified major priorities in training (phenotypic and genotypic characterization), Barcelona session identified major measures in the use of local breeds (local products, niche markets, cultural, environmental and other non-productive roles).

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

Ideas regarding the use of targeted cross-breeding of local and mainstream breeds based on new information obtained through SNP technology need to be further evaluated on the basis of scientific evidence.

**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:

The EAAP WG on AnGR, in cooperation with ERFP, regularly monitors the state of AnGR in the region, and participates in the production of recommendation and policy measures.

**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:

Partly, through studies on adding value to local breeds, local breeds and environment, and the future of local breeds.

**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?**

Countries of the European region are endowed with functional institutional infrastructure and provide significant resources for conservation. Further steps in rationalization and an increase in efficiency could include joint transboundary conservation programmes.



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

None

*In situ*

*Ex situ – in vivo*

*Ex situ – in vitro*

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

All activities carried out by EAAP (Study Commissions and WG AnGR) were aimed at providing science-based support to action at national and international levels.

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:

EFFABIS, EFABIS-Net, GLOBALDIV Projects.

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:

EFABIS-Net.

**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:

Annual meetings, workshops and symposia organized by EAAP include, in addition to contributions and participation of animal scientists, also a number of representatives of breeding industry, regional and global breed associations, governmental agencies and representatives of civil society organizations.

**6. Does your organization cooperate with breeders' organizations?**

Yes

No

If yes, please provide details:

Attendance at meetings and manifestations.

**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:

Partly, through summer schools organized within the GLOBALDIV project.

**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:

Publication and free down-loading of scientific and research papers presented at sessions, symposia and workshops held as part of the annual meetings and separately (see [www.eaap.org](http://www.eaap.org)).

**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:

Partly, through invitations to attend EAAP manifestations and scholarships for young scientists (opened for all EAAP Member Countries).

**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:

As above.

**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:

Partly, through programmes of sessions and symposia, the work of the WG AnGR and collaboration with ERFP.

**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:

Through cooperation with International Society for Animal Genetics, ERFIP and FAO, and through the programmes of the annual meetings.

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

Increasing public awareness through more intensive use of local media and NGOs.