

FAO activity report 2009-2010



16th ERF meeting
Heraklion, 22 August 2010

Communication

- Publication and dissemination of SOW-AnGR and related products in all UN languages (A,C,E,F,R,S)
- Reporting on GPA on several international conferences, scientific papers
- DAD-net
- AGRI – special issues to International year on natural fibre (2009), and International year of biodiversity (2010)
- GPA implementation posters (in process)
- Publication of GPA in more national languages by NCs

Global Plan of Action



**Arabic, Chinese, Danish, English, French, German, Norwegian,
Polish, Russian, Spanish,**

in preparation by: Czech, Hindi, Portugese, Thai, Vietnamese,
Indonesian, Greek, Korean, Slovakian

Support for national implementation of the *Global Plan of Action*

SPA 1: Characterization, inventory & monitoring

- SWP: Pig and chicken characterization in 6 countries – link to other pig diversity projects
- HPAI – biodiversity interface (Uganda, Cambodia, Egypt) and breed characterization
- AGE projects and CRP in Asia; new CRP in preparation
- GEF Biodiversity Indicators project and contribution to Global Biodiversity Outlook 2010
 - Report of a workshop on indicators
 - paper in AGRI 47

SPA 1: Characterization, inventory & monitoring

- DAD-IS training
 - regional workshops in Central Asia, Asia, forthcoming Eastern Europe
- Technical support to NCs of Asia & Pacific to update national databases in DAD-IS
- Status and trends report on animal genetic resources – 2010
- Draft guidelines on surveying & monitoring (e-conference)
- Draft guidelines on phenotypic characterization
- Draft guidelines on molecular genetic characterization

DAD-IS updates, last 12 months

| Region | % countries that updated population records | |
|----------------|---|------|
| | 2009 | 2010 |
| Africa | 11.8 | 2.2 |
| Asia & Pacific | 7.7 | 17.1 |
| Europe | 30.9 | 20.7 |
| LAC | 10.6 | 6.8 |
| Near East | 0 | 0 |
| North America | 0 | 0 |

| Region | % countries that updated breed descriptions | |
|----------------|---|------|
| | 2009 | 2010 |
| Africa | 27.5 | 4.4 |
| Asia & Pacific | 9.6 | 17.1 |
| Europe | 18.2 | 22.4 |
| LAC | 6.4 | 6.8 |
| Near East | 0 | 0 |
| North America | 0 | 0 |

SPA 2: Sustainable use and development

- FAO TCP in Mongolia, Myanmar and Nepal for genetic improvement of dairy cattle (closing – need follow up)
- IAEA/AGE Regional TCPs on cattle breeding in Asia and Africa (closing)
- GEF project Development and application of decision support tools to conserve and sustainably use genetic diversity in indigenous livestock and wild relatives, led by ILRI
- Publication of [Breeding strategies for sustainable management of animal genetic resources](#) in E (A,F,S in print)

SPA 2: Sustainable use and development

- Animal identification and performance recording
 - ICAR Task Force for Animal Identification and Performance Recording in Developing Countries
 - guidelines development
 - paper at EC conference
 - India and Tanzania
- Report of a workshop on disease resistance

SPA 3: Conservation

- GEF project In-situ conservation of endemic ruminant livestock in West Africa, with ILRI, ITC
- GLOBALDIV project papers & editorials & summer school
- **Draft guidelines on cryoconservation**
 - regional workshop in LAC, expert meetings
- **Draft guidelines on *in vivo* conservation and breeding in small populations**
 - expert meetings; forthcoming regional workshop Asia
- **Current arrangements for existing national and multi-country storage systems for the conservation of animal genetic resources**
 - e-survey; paper in AGRI 47

SPA 4: Policies, institutions and capacity-building

- report to the 2009 Session of the **FAO Conference** on steps taken as a follow up to the Interlaken Conference and on the important role of small-scale livestock keepers
- Publication of [Livestock Keepers – guardians of biodiversity](#)
- Biocultural community protocols
 - of Samburu, Pashtun/Pakistan, 3 Indian communities (LPPS, Natural Justice)
 - booklet Empowering Livestock Keepers in preparation

SPA 4: Policies, institutions and capacity-building

- Awareness raising
 - invited speakers at a number of scientific conferences
 - Study on Women, land rights and AnGR
 - FAO-PAR workshop on sustainability of AgBio
 - several papers on CC
 - Publication of [Adding Value to Livestock Diversity - Marketing to promote local breeds and improve livelihoods](#)
 - CEE workshop and study on (niche) marketing
- Capacity building
 - courses with GLOBALDIV, ILRI-SLU, European Master in Animal Breeding and Genetics, International Centre for Advanced Mediterranean Agronomic Studies CIHEAM, AGE

SPA 4: Policies, institutions and capacity-building

- Cooperation with
 - CBD
 - 2010 issue of the Global Biodiversity Outlook
 - SBSTTA 14, review of CBD POW-AGBio
 - Environmental Management Group (EMG) and other biodiversity initiatives
 - European Forum for Farm Animal Breeders (EFFAB), CGN on ABS
 - WIPO on patents: Patent landscape study
 - poultry breeders and wider industry on sustainability
- linkages to
 - new CGRFA website
 - new FAO biodiversity website

SPA 4: Policies, institutions and capacity-building

- Published [Preparation of National Strategies and Action Plans for Animal Genetic Resources](#) in E,F,S,R
- Draft guidelines on development of the institutional framework for the management animal genetic resources (e-conference)
- Strengthening RFP
 - regional workshops in LAC, West and Central Africa, East Africa, Central Asia and Asia
- Preparation of national strategies and action plans (TCPs)

Countries that develop and implement NSAPs

| Status | No | Countries |
|-------------------|----|---|
| not yet planned | 5 | Burundi, Costa Rica, Ghana, Tunisia, Zimbabwe, |
| planned | 6 | Bolivia, China, Iran, Nepal, Rwanda, Sri Lanka |
| under development | 15 | Belgium, Bhutan, Burkina Faso, Colombia , Chile , France, Kenya, Netherlands, Nigeria, Oman, Russia, Slovakia, Syria, Togo, Ukraine |
| Endorsed | 2 | Sweden, Armenia |
| being implemented | 4 | USA, Montenegro, Spain, Austria |

-paper in AGRI 47

-information document

Part III: Implementation of the *Global Plan of Action*

- CGRFA decisions
 - **FAO Progress Report** for each regular session of the CGRFA
 - 4 year reporting cycle with **Country Progress Report** on progress made in the implementation of the *Global Plan of Action* - first Country Progress Report to be prepared by 2011
 - *Questionnaire to support preparation of Country Progress Reports on the implementation of the Global Plan of Action*
 - Report of **International Organizations** (for CGRFA#13)
 - propose to use a slightly amended country questionnaire
 - FAO to prepare a **Synthesis Progress Report**, first Synthesis Progress Report made available to the Commission#14 in 2013

Part III: Implementation of the *Global Plan of Action*

Regular programme support

- FAO's new Strategic Framework, Medium Term Plan 2010-13 and PWB 2010-2011
 - Strategic Objective B *"Increased sustainable livestock production"*
 - Organizational Result B3 *"Better management of natural resources, including animal genetic resources, in livestock production"* includes AnGR
 - Impact Focus Area on *"Global standard setting and implementation into national policies and legislation"* includes AnGR

FAO's Results Hierarchy

Planning Framework

Strategic Framework
(10 Years)



Medium Term Plan
(4-Year)
Programme of Work and Budget
(2-Year)



Strategic Planning

Operational Planning

Workplans
(Annual)

Results chain

Global Goals



Strategic Objectives



Impact Focus Areas

Organizational Results



Unit results (Budgets)



Products/services (Budgeted)

Core Functions &
Functional Objectives



Planned resources dedicated to GPA by UR

| Region / Unit Result Lead Unit / Unit Result | | GF Planned US-\$ | TF Planned US-\$ | Total Planned US-\$ |
|--|--|---------------------|---------------------|------------------------|
| GLO - Global | | 2,888,780 | 716,720 | 3,605,500 |
| AGA - Animal Production and Health Division | | 2,888,780 | 716,720 | 3,605,500 |
| | B03G120 - Countries and regions are supported in the implementation of the Global Plan of Action for Animal Genetic Resources | 1,694,095 | 352,510 | 2,046,605 |
| | F03G104 - Support to the implementation of the Multi-Year Programme of Work of the CGRFA, on animal genetic resources | 1,119,853 | 364,210 | 1,484,063 |
| | F05G140 - Indicators and modelling tools for assessing the impact of climate change on livestock agrobiodiversity | 74,833 | 0 | 74,833 |
| RAF - Africa | | 414,645 | 38,912 | 453,557 |
| RAF - Regional Office for Africa (Accra) | | 218,815 | 0 | 218,815 |
| | B03A127 - Management and conservation of regional and national animal genetic resources in Africa region are improved | 218,815 | 0 | 218,815 |
| SFC - Subregional Office for Central Africa | | 104,695 | 38,912 | 143,607 |
| | B03A123 - Strengthened capacities in implementing the GPA in the sub region | 104,695 | 38,912 | 143,607 |
| SFS - Subregional Office for Southern Africa | | 91,134 | 0 | 91,134 |
| | B03A115 - Improved knowledge on, access to, and use of information on best practices in AnGR management and proven animal-environment interactions- based technologies for livestock production systems in Southern Africa and support the GPA to achieve better management of natural resources | 91,134 | 0 | 91,134 |

Planned resources dedicated to GPA by UR

| Region / Unit Result Lead Unit / Unit Result | | GF Planned US-\$ | TF Planned US-\$ | Total Planned US-\$ |
|--|---|---------------------|---------------------|------------------------|
| RAP - Asia and Pacific | | 78,085 | 0 | 78,085 |
| | RAP - Regional Office for Asia and the Pacific (Bangkok) | 78,085 | 0 | 78,085 |
| | B03P122 - Country support to animal genetic resources management and implementation of GPA enhanced and Regional Focal Point for AnGr in Asia established | 78,085 | 0 | 78,085 |
| REU - Europe and Central Asia | | 220,223 | 0 | 220,223 |
| | SEU - Subregional Office for Central and Eastern Europe | 220,223 | 0 | 220,223 |
| | B03E111 - Animal genetic resource strategies and action plans are developed according the GPA | 220,223 | 0 | 220,223 |
| RNE - Near East | | 172,110 | 0 | 172,110 |
| | SNE - Subregional Office for North Africa | 172,110 | 0 | 172,110 |
| | B03N125 - Animal identification and recording are improved for food security and management of genetic resources | 172,110 | 0 | 172,110 |
| Total | | 3,773,844 | 755,632 | 4,529,476 |

Part III: Implementation of the *Global Plan of Action*

Funding strategy for the implementation of the GPA

- adopted by CGRFA#12
- established
 - Trust Account
 - Multi-donor trust fund programme GCP/GLO/306/MUL (29 mill US-\$, 5 yrs)
- AnGR components under
 - Sweden FAO partnership programme
 - Norway & Netherlands FAO partnership programmes
 - Spanish funds to CGRFA/MYPOW
- involved in EU GENRES and GEF Projects (no FAO budgets)

Voluntary contributions to the FAO Trust Account

| Donor | Date | Contribution |
|-------------|----------------|--------------|
| Switzerland | December 2009 | 50.000 US-\$ |
| Germany | Envisaged 2010 | |

Internal limit for 1rst Call for Proposals: 500.000 US-\$

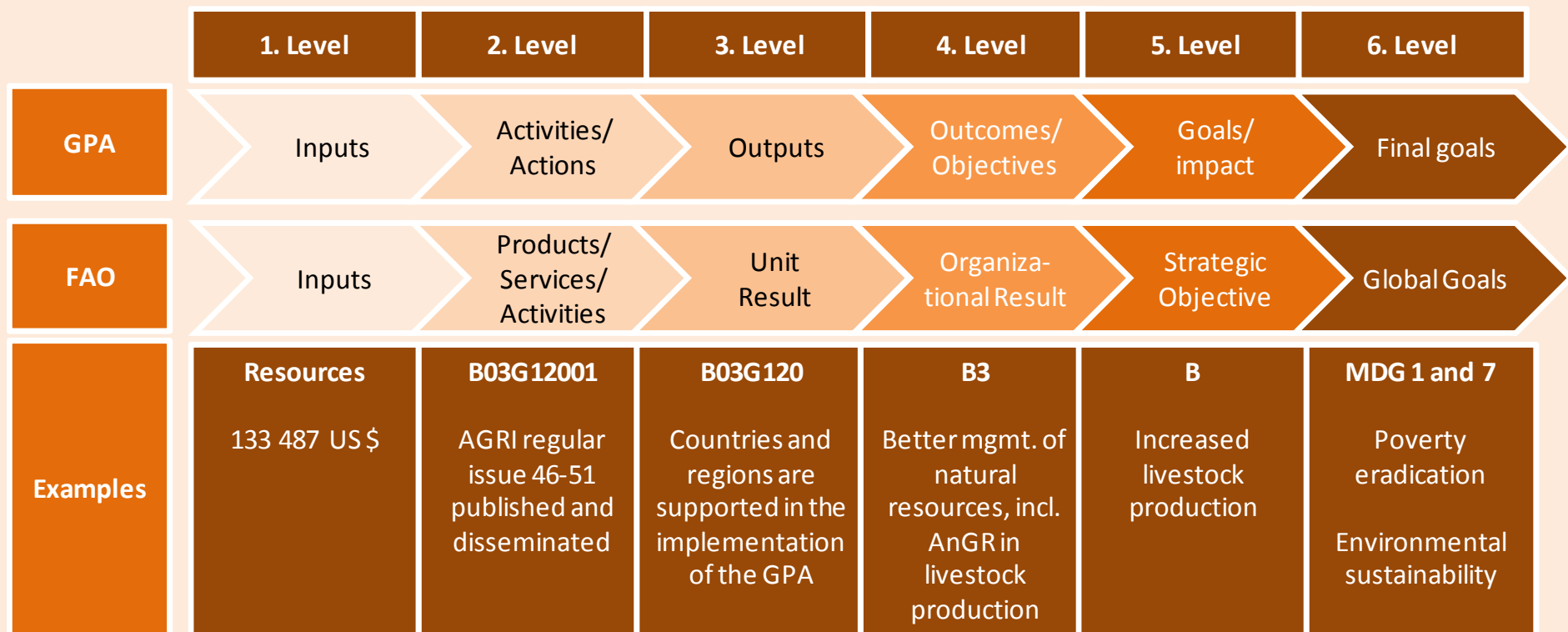
In case the ITWG recommends to request the Commission, in its 13th session, to issue calls for proposal, the ITWG may also recommend

- areas of the priority areas
- upper limits for projects (e.g. 50.000 or 100.000 US-\$)
- Outcome and Impact Monitoring and Evaluation System OIMES

Reporting and monitoring of the FS

- requirements will vary depending on the range and types of financial sources that are included in the Funding Strategy
- progress reporting on the implementation of the *Global Plan of Action* and of status and trends reports may form an important part of the monitoring and progress reporting within the Funding Strategy.
- several pre-defined reporting lines
 - FAO-PWB and PIR
 - GPA
 - Funding Strategy
 - FAO Trust Account
- **Draft Outcome and impact monitoring for the GPA**

Results-based management

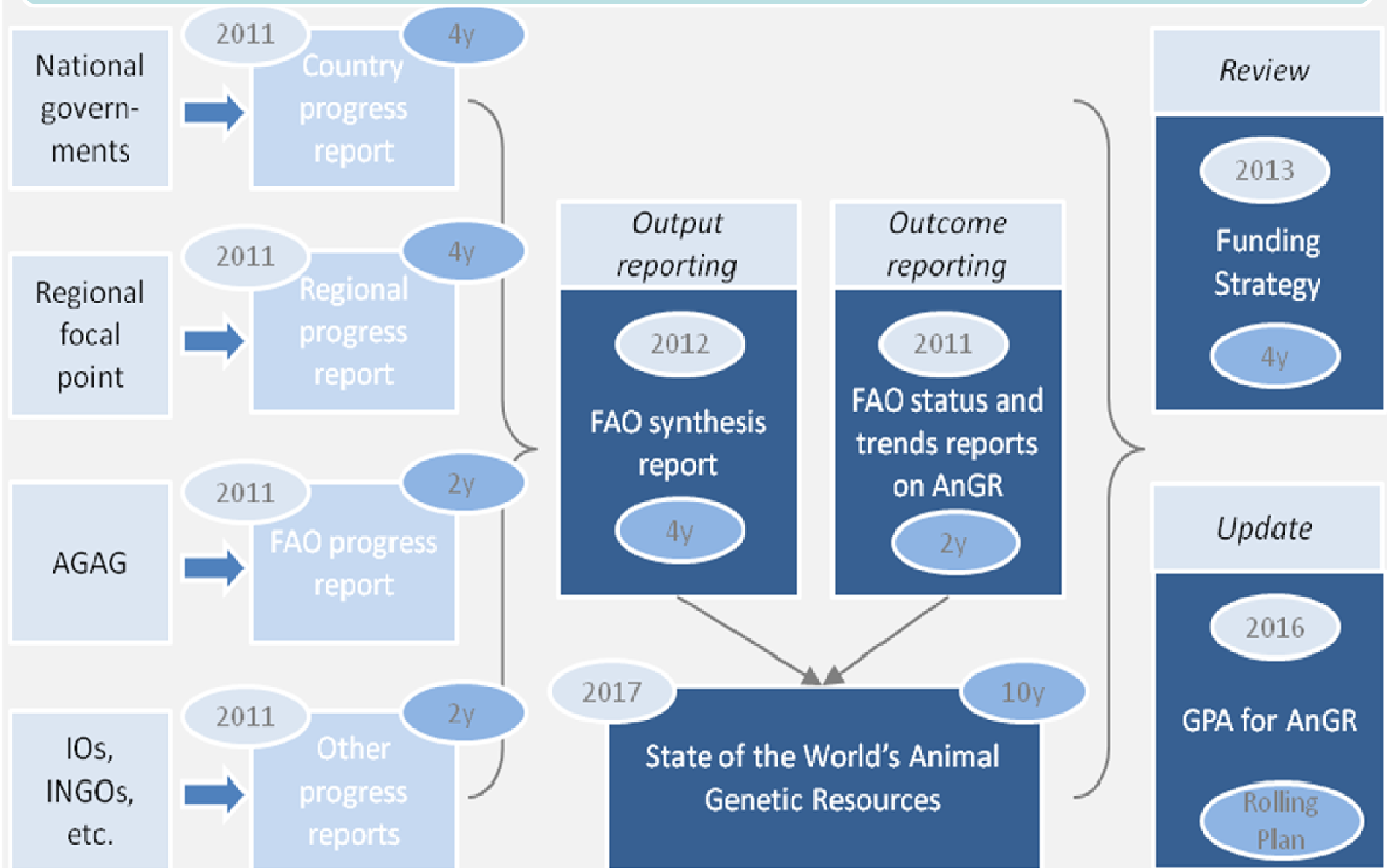


Results-based management forms part of the FS

It will be achieved through

- use of standard reporting and monitoring procedures;
- Trust Account recipients reports prepared in accordance with an agreed reporting schedule and progress milestones identified in the project document and approval process;
- monitoring procedures which the Commission may wish to adopt;

Reporting lines for the implementation of the GPA on AnGR



20xx Date of next compilation of document

xy Frequency of compilation of document (in years)

FS Reporting Requirements

FAO progress report

- Spending per
 - Strategic Priority Area
 - Stakeholder group, region, country
 - Species/Breeds addressed
- Donor information:
 - by contributors category
 - by region

Country progress reports

- Questionnaire
 - comprising 69 single-choice and open questions
 - 62 questions structured by Strategic Priority Areas and respective core indicators
 - 7 questions on implementation and financing of GPA on AnGR

Project reporting under Trust account

- Project information
 - Project description
 - Project status
 - Project funding
- Impact assessment
- Selection criteria
 - according to FS, Section C, Part III

Illustration

| | RP | VC | TA |
|---|----|----|----|
| S | RP | VC | TA |
| S | RP | VC | TA |
| S | RP | VC | TA |
| S | RP | VC | TA |
| S | RP | VC | TA |
| S | RP | VC | TA |
| S | RP | VC | TA |

Questionnaire to support preparation of Country Progress Reports on the Implementation of the Global Plan of Action

STRATEGIC PRIORITY AREA 1: CHARACTERIZATION, INVENTORY AND MONITORING OF TRENDS AND ASSOCIATED RISKS

Core indicators:

1. The state of inventory and characterization of animal genetic resources
2. The state of monitoring programmes and country-based early warning and response systems
3. The state of international technical standards and protocols for characterization, inventory, and monitoring

Questions:

- Has a first inventory of the location, population status and trends and characteristics of your animal genetic resources been completed for all livestock species of economic importance?
 - Completed
 - Partially completed

Trust Account reporting by Secretariat

Information provided by project reporting

Other information, e.g.

- Status of funds under TA
- Beneficiaries and donor information
- Assessment of overall operation of TA
- Potential improvement of Funding Strategy

Financial reporting to Commission by FAO

Reporting categories*

| SPA's | RP | VC | TA |
|-------|----|----|----|
| SPA 1 | | | |
| SPA 2 | | | |
| SPA 3 | | | |
| SPA 4 | | | |

| Regions | RP | VC | TA |
|---------|----|----|----|
| AF | | | |
| AP | | | |
| EU, CA | | | |
| LA,C | | | |
| NE, NA | | | |

| Breeds addressed | RP | VC | TA |
|------------------|----|----|----|
| Breed A | | | |
| Breed B | | | |
| Breed C | | | |
| Breed D | | | |

| Beneficiary group | RP | VC | TA |
|-------------------|----|----|----|
| Gvmt. | | | |
| IO | | | |
| NGO | | | |
| ... | | | |

Specific reporting on TA funds

| TA Fund | Donor | Donor group | Donor Region | Amount received |
|-----------|-------|-------------|--------------|-----------------|
| TA Fund 1 | | | | |
| TA Fund 2 | | | | |
| TA Fund 3 | | | | |
| TA Fund 4 | | | | |
| TA Fund 5 | | | | |

*

The above listed categories correspond to reporting requirements for resources under the Trust Account. To harmonize reporting mechanisms the same categories should apply also to regular programme funding as well as to voluntary contributions provided that required information is available. If this is not the case, reporting is to be conducted according to standard formats.

According to the Funding Strategy the reporting effort should be commensurate with the benefit of the provided data.

Next steps and outstanding issues

- Prepare ITWG#6, 24-26 November 2010
 - FAO Progress Report on the implementation of the *Global Plan of Action for Animal Genetic Resources*
 - Draft technical guidelines for the implementation of the *Global Plan of Action for Animal Genetic Resources*
 - *Funding Strategy for the implementation of the Global Plan of Action for Animal Genetic Resources, including administrative arrangements for the FAO Trust Account (OIMES)*
 - Status and trends of biotechnologies applied to the conservation and utilization of genetic resources for food and agriculture and matters relevant for their future development (scoping study)

Next steps and outstanding issues

- invite NCs to update DAD-IS for Status and Trends report; support country update of DAD-IS
- invite International Organizations to report on GPA implementation by Jan 2011
- make Country Report questionnaire electronically available and invite Country Reports in 2011
- Launch of GIS-based PEDS module
- Facilitate regional and international collaboration (RFPs)
- Technical guidelines/ tools and technical/policy support
- Training and research
- Development of partnerships, fundraising



PROGRAMMES/PROJECTS

Implementing the Global
Plan of Action for Animal
Genetic Resources

6th Session of the
Intergovernmental
Technical Working Group
on Animal Genetic
Resources for Food and
Agriculture (2010)

12th Session of the
Commission on Genetic
Resources for Food and
Agriculture (2009)

International Technical
Conference on Animal
Genetic Resources for
Food and Agriculture
(2007)



Implementing the Global Plan of Action for Animal Genetic Resources

Animal genetic resources for food and agriculture (AnGR) provide crucial options for the sustainable development of livestock production. The erosion of these resources globally, and particularly in many developing countries, has accelerated in recent years as a consequence of the rapid changes affecting livestock production systems (intensification and industrialization) as they respond to surging global demand for animal products. Disease outbreaks, other disasters and emergencies (armed conflicts, droughts, etc) and the degradation of grazing land are also threats.

FAO's work in the field of AnGR management takes a broad approach – addressing technical, policy and institutional issues, and taking account of interactions with other aspects of natural resource management, production system dynamics and general economic development.

The State of the World's Animal Genetic Resources for Food and Agriculture identified significant gaps in capacity to manage AnGR, particularly in developing countries. In response, the international community adopted the *Global Plan of Action for Animal Genetic Resources (GPA)* at the International Technical Conference on Animal Genetic Resources for Food and Agriculture in September 2007. The GPA was later endorsed by the 34th FAO Conference. It includes 22 strategic priorities for action, grouped into four

also in AGA website...

Genetic Resources
Publications

see also...

Genetic resources for
the future

Audio clips

Agriculture for Animal
Diversity for
Agriculture
[EN] [ES] [FR]

Related Links

Commission on Genetic
Resources for Food and
Agriculture
Domestic Animal Diversity
Information System
(DAD-IS)

Success & other Stories



<http://www.fao.org/ag/againfo/programmes/en/A5.html>