

Evaluation of Draft FAO Guidelines for the In Vivo Conservation of Animal Genetic Resources

Paul Boettcher
FAO-AGAG
Rome, Italy

Global Plan of Action for AnGR

In 2007, **Global Plan of Action for Animal Genetics Resources** adopted

- Rolling plan for global management of AnGR

AIMS:

- support and increase the effectiveness of efforts for the sustainable use, development and conservation of AnGR,
- contribute to the development of a framework for the management of agricultural biodiversity
- facilitate international cooperation and the mobilization of resources

The *Global Plan of Action* addresses

4 Strategic Priority Areas:

1. Characterization, Inventory and Monitoring
2. Sustainable Use and Development
3. Conservation
4. Policies, Institutions and Capacity-building

23 Strategic Priorities

Implementation of *Global Plan of Action*

- Main responsibility of GPA implementation rests with national governments
- Need for international cooperation and support to developing countries – mobilization of new and additional resources
- Need to involve all relevant stakeholders
- International organizations to provide support

Role of FAO

- Establish or strengthen international information sharing, research and education
- Collaboration with members to support country-driven efforts to implement the GPA
- Develop international technical standards and protocols for
 - characterization, inventory, and monitoring
 - sustainable use
 - conservation
 - AnGR policy-making
- Guidelines
 - Assist in the planning and implementation of AnGR management programmes

Overview of Guidelines

Guidelines to assist the preparation of national strategy and action plans

Strategic Priority Area 1
Characterization, inventory and monitoring of trends and associated risks

Survey and monitoring

Phenotypic characterization

Molecular characterization

Strategic Priority Area 2
Sustainable use and development

Breeding strategies for sustainable management of animal genetic resources

Animal identification and performance recording

Strategic Priority Area 3
Conservation

Cryoconservation guidelines

In vivo conservation guidelines

Strategic Priority Area 4
Policies, institutions and capacity-building

Institutional arrangements for the implementation of national strategy and action plans

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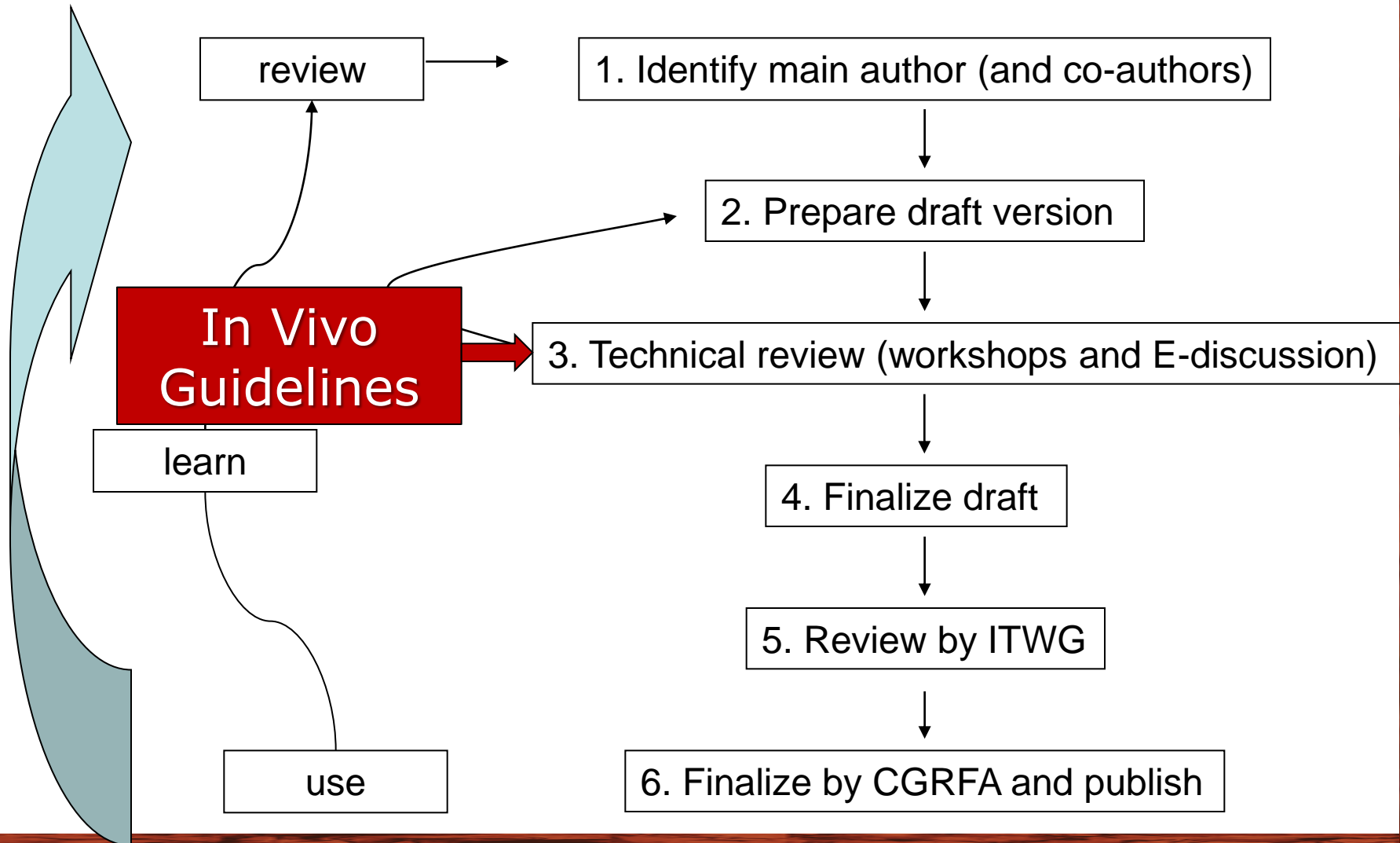
Cryoconservation guidelines

In vivo conservation guidelines

Strategic Priority Area 4
Policies, institutions and capacity-building

Institutional arrangements for the implementation of national strategy and action plans

Process to develop the Guidelines



Target Audience

- For countries or organizations wanting to establish *in vivo* conservation programmes
 - Provide background for organization and establishment
- For managers of *in vivo* conservation programmes
- For all stakeholders interested or involved in the planning and implementation of AnGR conservation activities
 - officials of national and regional governments, research institutions, private sector, breeders' organizations, NGOs
 - ...

Contents: In Vivo Guidelines

- *Chapter 1* - The Importance of Animal Genetic Resources and Options for their Conservation
 - Reasons for loss
 - Objectives for Conservation
 - Options
- *Chapter 2* - Identification of Breeds at Risk of Endangerment
 - Classification
- *Chapter 3* - Determining the Conservation Value of a Breed
 - Prioritization

Contents: In Vivo Guidelines

- *Chapter 4* - Organizing the Institutions for In Vivo Conservation
 - Farmers
 - Government
- *Chapter 5* - Designing the Conservation and Use Programme
 - Maintaining genetic variability
- *Chapter 6* - Options for Breeding Programmes Combining Conservation and Sustainable Use
 - Selection
- *Chapter 7* - Opportunities to Increase the Value of Local Breeds in In Situ Conservation Programs
 - Exploiting unique characteristics

Session Objective

- Get acquainted with and discuss Guidelines
 - Hands on practice
- Suggest ways to ensure their impact within the region
 - Key policy related issues
 - Desired outcomes
 - Common constraints
 - Opportunities for regional collaboration
- Present experiences with local breeds
 - Including field trip
- Suggest possible improvements
 - Online questionnaire

General Approach

Three-step process

1. Chapter is introduced by primary author (~1 hr)
 - Powerpoint presentation
2. Group activity (~1 hr)
 - Participants apply concepts to own AnGR at risk
 - national and regional
 - Summarize results
 - Elect reporter and “spokesperson”
3. Presentation of results
 - 15 minutes per group
 - Powerpoint or flip-chart

Group Activities

- **Chapter 1:** Participants use SWOT for evaluation of key species and breeds in different regions and inform each other of results via presentations of the SWOTs
- **Chapter 2:** Groups consider the population demographics of local AnGR and then classify the breeds according to risk status
 - apply the indicators for their own breeds
- **Chapter 3:** The different groups determine the conservation value and risk of extinction different local breeds
 - from the examples of the previous Chapters

Group Activities

- **Chapter 5 and 6:** Different groups develop breeding strategies for their examples from the previous chapters
- **Chapter 4:** Different groups make plans for the identification and organisation of key stakeholders conservation plan of breeds identified in prior activities
 - the other groups discuss feasibility of various plans
 - voting for best plan
- **Chapter 7:** Groups propose real-life comprehensive action plans with specific activities to enhance breed stability
 - the other groups discuss feasibility of various activities
 - voting for best plan

Global Plan of Action Funding Strategy

- FAO has developed a Funding Strategy for GPA implementation in developing/transition countries
 - supported by Country donors
 - up to \$50,000 per project
 - official announcement at CGRFA meeting in July
- Projects to support AnGR-related activities
- Activities at this workshop may help participants to develop ideas
 - identify breeds of interest
 - set priorities
 - propose activities
- Preproposals due in October/November

Work hard, make new friends
and have fun!