

ERFP Working Group
Ex Situ Conservation

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Workshop European Gene Bank
Network for AnGR

Sipke-Joost Hiemstra

ERFP Assembly, Nantes, 2013

Aim of the ERFP-WG-Ex Situ

- To exchange experiences and knowledge between European countries
- To support the establishment, further development, efficiency and effectiveness of European national gene banks for AnGR
- To jointly (further) develop a European strategy for gene banking, documentation and other related issues

Countries represented (nominations)

Country	Name	Surname
Belgium	Jean Francois	Dumassy
Bulgaria	Valentin	Georgiev
Croatia	Jelena	Ramljak
France	Delphine	Duclos
Germany	Martina	Henning
Hungary	István	Péntek
Italy	Gustavo	Gandini
Luxembourg	Jeanne	Bormann
Netherlands	Sipke Joost	Hiemstra
Montenegro	Dusica	Radonjic
Norway	Nina	Sæther

Countries represented (continued)

Country	Name	Surname
Portugal	Antonio	Horta
Serbia	Miroslav	Marinkovic
Slovakia	Elena	Kubovicova
Slovenia	Drago	Kompan
Spain	Fernando	Tejerina
Sweden	Eva Marie	Stalhammer
Switzerland	Fritz	Schmitz-Hsu
Turkey	Umut	Tasdemir
Ukraine	Svetlana	Kovtun
Poland	Ewa	Sosin-Bzducha

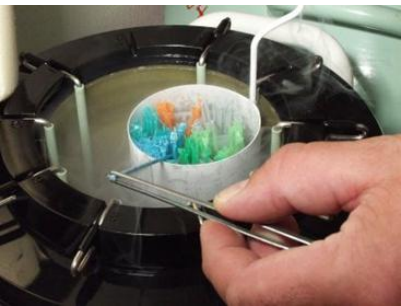
21 countries represented

ERFP
EUROPE



Workshop of the ERFP Working Group Ex situ Conservation

23-26 May 2012, Zagreb, Croatia



Aim of the Zagreb Workshop

- To exchange information about **legal and institutional arrangements** for national AnGR gene banks
- To discuss options, needs, opportunities and feasibility of a coordinated **European gene bank strategy**
- To exchange experiences of countries using **CryoWEB** and identify elements for improvement and coordination



Meetings of the ERFP Working Group on Ex situ Conservation

Working Documents

available in the [intranet](#)

ERFP Workshop on Ex Situ Conservation in Zagreb, Croatia from 23rd to 26th May 2012

[Programme](#)

[Workshop Report](#)

[List of participants](#)

Presentations (by order of country)

- **S.J. Hiemstra, Netherlands**
[Introduction to the Workshop on Ex Situ Conservation](#)
- [Presentation and findings of subgroup discussions](#)
- **P. Boettcher, FAO**
[Gene Banks for Animal Genetic Resources: the FAO Perspective](#)
- **J.F. Dumasy, Belgium**
[Gene banking in Benelux: overview and transboundary collaboration opportunities](#)
- **Z. Ducheve, Bulgaria**
[Introduction to CryoWEB and state of implementation in Europe](#)
- **V. Nikolov, Bulgaria**
[Executive Agency on Selection and Reproduction in Animal](#)

Genres-News RSS-Feed

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suchen

Contact

- [Frank Begemann](#)
- [Sebastian Winkel](#)
- [Babette Balzer](#)

Links

- [EFABIS](#)
- [DAD-IS](#)
- [FAO State of the World's Animal Genetic Resources](#)
- [FAO Global Plan of Action](#)
- **[*NEW* ERFP Newsletter # 11](#)**
- [EU Genetic Resources in Agriculture](#)
- [EAAP](#)
- [CryoWEB](#)
- [ERFP Cryo-Guidelines](#)

Workshop

Bonn, 13-14 June 2013

European Genebank Network for AnGR

Joint meeting of:

ERFP WG Ex Situ

ERFP Task Force on ABS



European Genebank Network for AnGR

Workshop, Bonn 13-14 June 2013

Preparation

- Gathering information on institutional and technical arrangements related to genebanks: excel files sent to NCs
- Synthesis of inputs

Participation

27 participants representing 16 countries

European Genebank Network for AnGR

Workshop, Bonn 13-14 June 2013

Workshop Agenda

- Current situation of national AnGR Gene Banks in Europe
- Current situation on ABS
- Definitions to describe AnGR gene banks
- Objectives of European Gene Bank Network
- Structure of European Gene Bank Network
- Possible MTA approach for AnGR Gene Bank network
- Table of contents for the concept paper on the European Gene Bank Network

Overview Gene Banks – Definitions (1)

Genebank

- A genebank for AnGR is a repository for ***ex situ* conservation and sustainable use of AnGR** held by a host institution authorized and/or recognized by a national authority to fulfill these tasks.
- A genebank may be constituted by one or more repositories collaborating as a network.

Overview Gene Banks – Definitions (2)

Host institution:

- The host institution is the institution(s) **authorized and/or recognized** by a national authority for executing the genebank functions.

Legal basis:

- The legal basis describes the legal framework or the official decision for the establishment and/or recognition of the genebank.

Overview Gene Banks – Definitions (3)

Ownership of the material:

- Ownership of the material describes the owner(s) of the genetic material which is stored or maintained in the genebank.

Governance body:

- Governance body is the legal person, institution, group of institutions or such body as entitled and stated by the legal basis to decide on the operations of the genebank.

Overview Gene Banks – Definitions (4)

Objectives of gene banks could include:

- to provide long term storage of genetic material;
- to support populations conserved *in vivo*;
- to reconstruct breeds/lines, in case of extinction or loss of a substantial number of animals;
- to create new lines/breeds;
- to quickly modify and/or reorient the evolution/selection of populations;
- to support research;
- to facilitate international exchange and cooperation;
- or any other (please explain).

Overview Gene Banks – Definitions (5)

Starting date of the collection:

- The starting date of the collection is the year, when the first genetic material in the genebank was collected and stored.

Starting date of the genebank:

- The starting date of the genebank is the date of the official decision for the establishment and/or recognition of the genebank.

Collection categories:

- Core collection, Historic collection, Working collection, Evaluation collection as defined in the FAO guidelines (www.fao.org/docrep/016/i3017e/i3017e00.pdf)

Overview Gene Banks – Definitions (6)

Acquisition conditions:

- Acquisition conditions are the conditions, which have to be fulfilled to acquire genetic material, possibly outlined in a specific document (e.g. material acquisition agreement (MAA)) in order to include it into the genebank.

Access conditions:

- Access conditions are the conditions, which have to be fulfilled to get access to the genetic material held in the genebank, possibly outlined in a specific document (e.g. material transfer agreement (MTA)).

Objectives of the European Genebank Network for Animal Genetic Resources (1)

- The European Genebank Network for AnGR is the network of genebanks in European countries to support the *ex situ* conservation and sustainable use of AnGR in Europe under common terms of agreement
- ERFEP is the regional platform to support the *in situ* and *ex situ* conservation and sustainable use of animal genetic resources and to facilitate the implementation of FAO's Global Plan of Action for AnGR in Europe
- The European Genebank Network for AnGR **is the platform operating under the umbrella of ERFEP** in the area of *ex situ* conservation at the regional level of Europe. The European Genebank Network cooperates with the ERFEP Working Group *Ex situ* Conservation.

Objectives of the European Genebank Network for Animal Genetic Resources (2)

- to support genebanks in European countries to fulfil their individual roles and objectives;
- to improve monitoring and assessment of AnGR kept in *ex situ* collections in European countries by sharing information on genebank collections;
- to improve genebank operations and procedures in European countries by sharing information;
- to use synergies for *ex situ* conservation and sustainable use of AnGR by joint activities of genebanks in European countries;
- to increase the efficiency of *ex situ* conservation of the genetic diversity of transboundary breeds;

Objectives of the European Genebank Network for Animal Genetic Resources (3)

- to promote harmonization of acquisition and access terms for *ex situ* conservation throughout the genebanks in European countries;
- to facilitate a quality improvement process in *ex situ* conservation of the genebanks in European countries;
- to create an element of the European research infrastructure for conservation and sustainable use of AnGR;
- to facilitate a regional European approach for international cooperation and exchange of AnGR in the context of the implementation of the Nagoya Protocol for Access and Benefit-sharing.

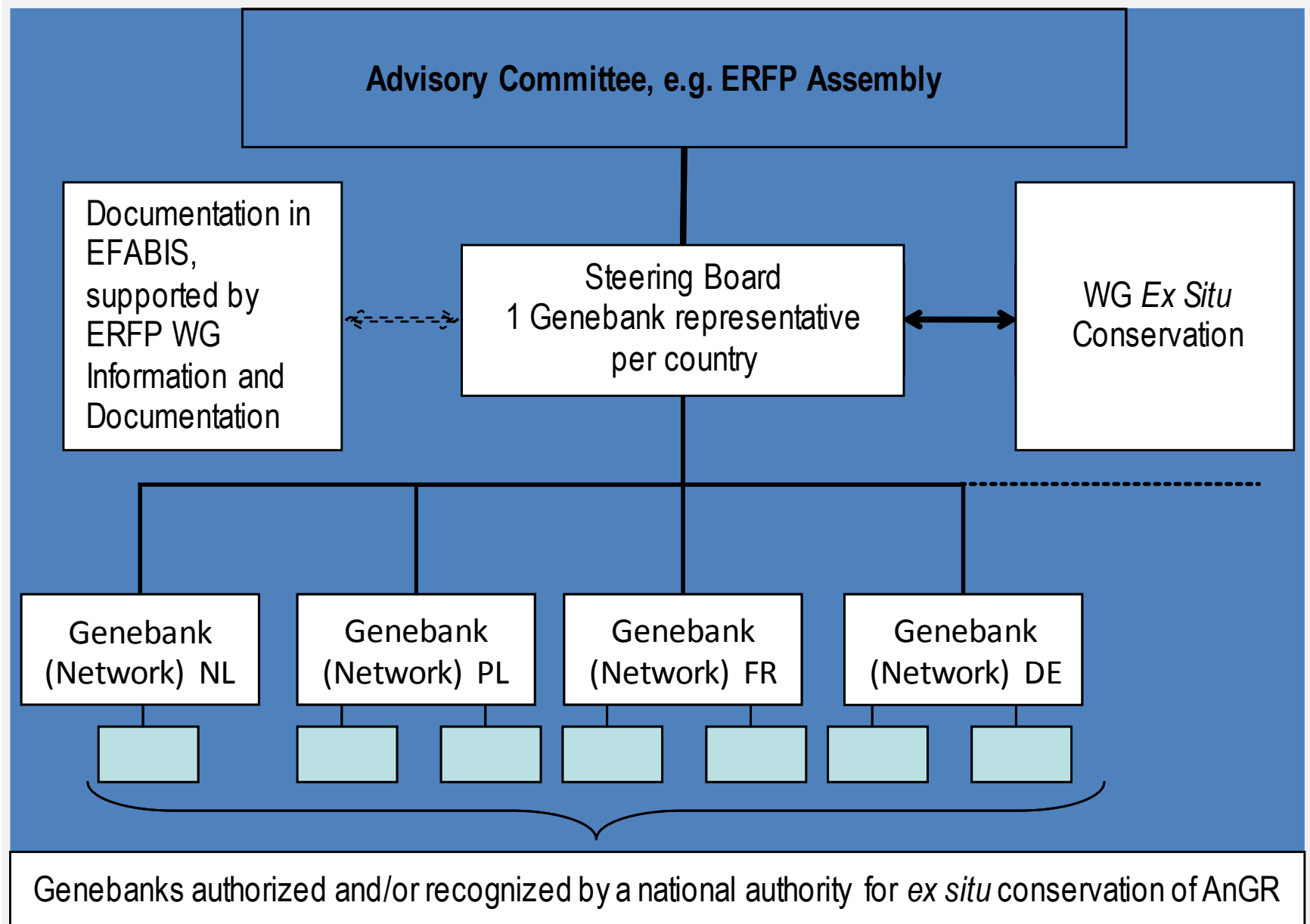
Participation in the European Genebank Network for Animal Genetic Resources

- An AnGR Genebank in European region as defined for the purpose of the network can participate;
- A Genbank to be nominated by the respective NC;
- Letter of Agreement including common terms to be signed by representative of the Genebank and the ERFP Secretariat.

Organizational Structure, governance and administration rules of the European Genebank Network for Animal Genetic Resources

- Common Terms of Agreement (to be developed) including reference on recognition of national access and acquisition conditions

Structure of the European Genebank Network for Animal Genetic Resources



Governance (1)

ERFP Assembly:

- Establishment of the European Genebank Network;
- Approval of the Common Terms of Agreement and LoA for the European Genebank Network for AnGR;
- Decisions on the use of ERFP funds provided to Genebank Network;
- Approval for the workplan developed by the Steering Board (only subset of National Coordinators);
- Overall supervision of the European Genebank Network.

Steering Board:

- Development a workplan to implement the objectives of the network;
- Implementation and monitoring of the workplan;
- Seeking advice from the Working Group *Ex situ* Conservation;
- Seeking advice from the Working Group Information and Documentation;
- Reporting to the Assembly.

Governance (2)

ERFP Secretariat:

- Support establishment of the European Genebank Network and signing the LoA;
- Providing technical and administrative support for the European Genebank Network.

ERFP WG Ex situ Conservation:

- Develop Common Terms of Agreement and respective LoA;
- Work on topics proposed by the Steering Board and the Assembly;
- Propose topics to the Steering Board and the Assembly;
- Promote participation of genebanks in the network;
- Maintain a communication network with respect to the *ex situ* conservation of AnGR.

ERFP WG Information and Documentation:

- Support the documentation of the genetic material of the partner genebanks in EFABIS
- Support exchange of information on material/donor animals

Funding

- Individual genebanks rely on own funding;
- The ERFP support for establishment of the European Genebank Network and possible activities (*Ad hoc* Actions, in cooperation with the *WG Ex situ* Conservation, and through support by *WG Information and Documentation*, EFABIS);
- Network partners to apply for external project funding;
- Long term financial support to be further considered for the European Genebank Network.

Proposed **Acronym**

EUGENA

EUropean **GE**nebank **N**etwork for **A**nimal
genetic resources

EUGENA – further work needed on:

- To complete a detailed overview of institutional (see Definitions!) and technical arrangements of national gene banks
- To generate an overview of:
 - the access procedures in the genebanks
 - acquisition procedures in the genebanks
 - national practices to establish core collections
- To develop Model Material Transfer Agreement (elements already identified)

Draft overview of genebanks status

National gene banks: Institutional arrangements Technical arrangements

- Two tables to be revised by NCs by the end of October
 - The overview to be completed and then to be reviewed by NCs and Members of WG Ex Situ
- To show similarities and differences between countries
- To be inspired by other countries about gene bank set up at the national level
- To identify issues for discussion and possible harmonization

Possible elements of a model MTA

- Provider:
- Recipient:
- Preamble
- ARTICLE 1: DEFINITIONS
- ARTICLE 2: SCOPE OF THE MATERIAL TRANSFER AGREEMENT
- ARTICLE 3: RIGHTS AND DUTIES OF THE PROVIDER
- ARTICLE 4: RIGHTS AND DUTIES OF RECIPIENT
- ARTICLE 5: WARRANTY
- ARTICLE 6: LIABILITY
- ARTICLE 7: DISPUTE SETTLEMENT
- ARTICLE 8: GOVERNING LAW
- ARTICLE 9: SIGNATURE (for Agreement)

2013/2014

WG Ex Situ – Work plan **for approval**

ERFP WG Ex situ Conservation ↔ EUGENA

- Develop Common Terms of Agreement and respective LoA;
- Promote participation of genebanks in the network;
- Maintain a communication network with respect to the *ex situ* conservation of AnGR;
- Work on topics proposed by the EUGENA Steering Board and the Assembly;
- Propose topics to the EUGENA Steering Board and the Assembly;