

InWiGrape

The ECPGR context

L. Maggioni
ECPGR Secretariat



What is ECPGR

ECPGR is a collaborative Programme among most European countries, aiming at ensuring the long-term conservation and facilitating the utilization of plant genetic resources in Europe.

www.ecpgr.cgiar.org/

Phase IX (2014-2018)

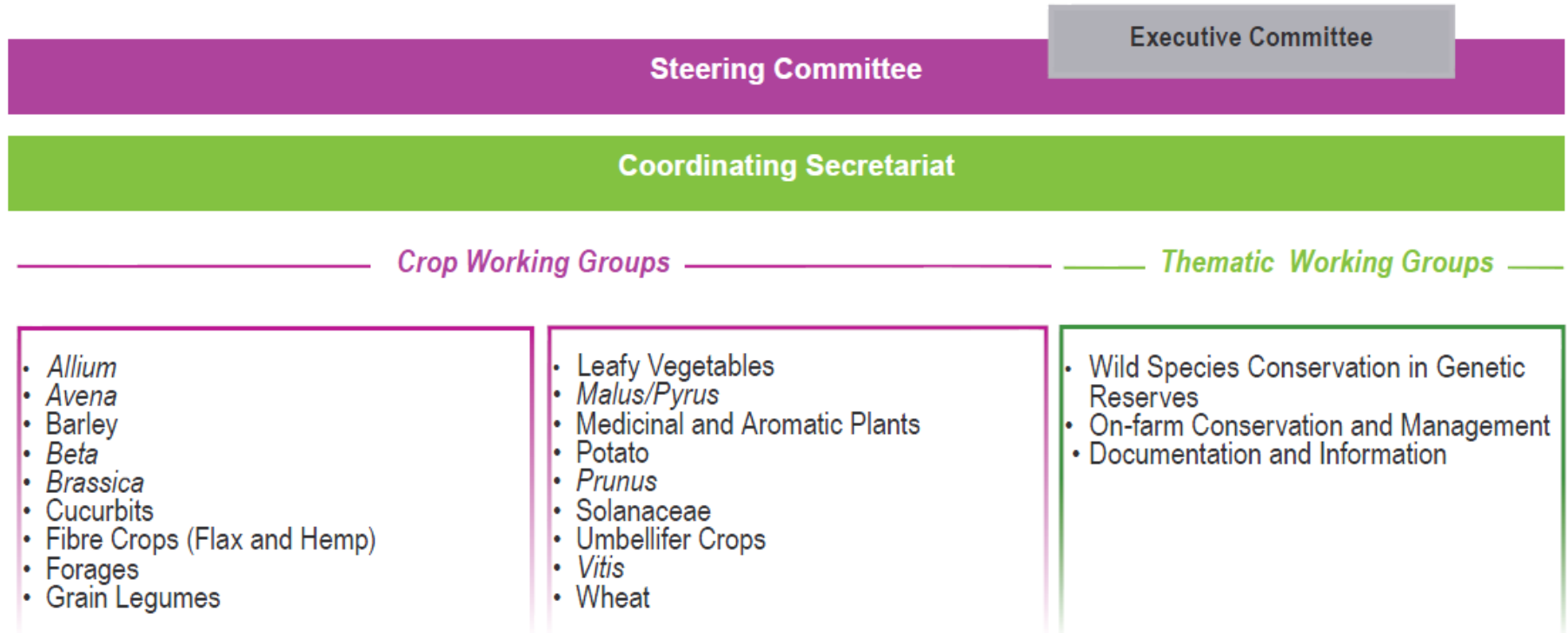
- Annual budget ca. € 520k from 38 countries
- Letters of Agreement signed by 33 countries



Objectives of ECPGR – outcomes of Phase IX

1. **AEGIS** is operational and accessions are characterized and evaluated
2. Functionality of **EURISCO** ensured (data quality & quantity + in situ data)
3. ***In situ and on-farm conservation and management*** of priority crop wild relative (CWR) and landrace (LR) populations are implemented throughout Europe
4. Relations with **users** of germplasm are strengthened
5. Commitment and regular resources from donors are increased
6. Secretariat support is adequate to sustain operations of ECPGR

Structure



ECPGR operates through Working Groups

- Chair + Working Group members nominated by National Coordinators
- Operation through meetings and currently small activities under ECPGR Grant Scheme

Traditional activities:

- Exchange of information and plan collaboration
- Agreement on standards, guidelines, descriptors
- Setting up databases and exchanging data
- International project preparation
- Training, capacity building

Composition of *Vitis* Working Group

Vitis WG: 71 members

Genebank curators: 22

Crop specialists: 30

Info/Doc specialist: 14

Plant breeders: 13

Policy and law: 8

Other: 2



ECPGR Grant Scheme

First Call launched 30 June 2014:

- 8 proposals were selected

Second Call: launched on 15 April 2015

- 6 proposals were selected (**InWiGrape**)

Third Call: launched 8 January 2016

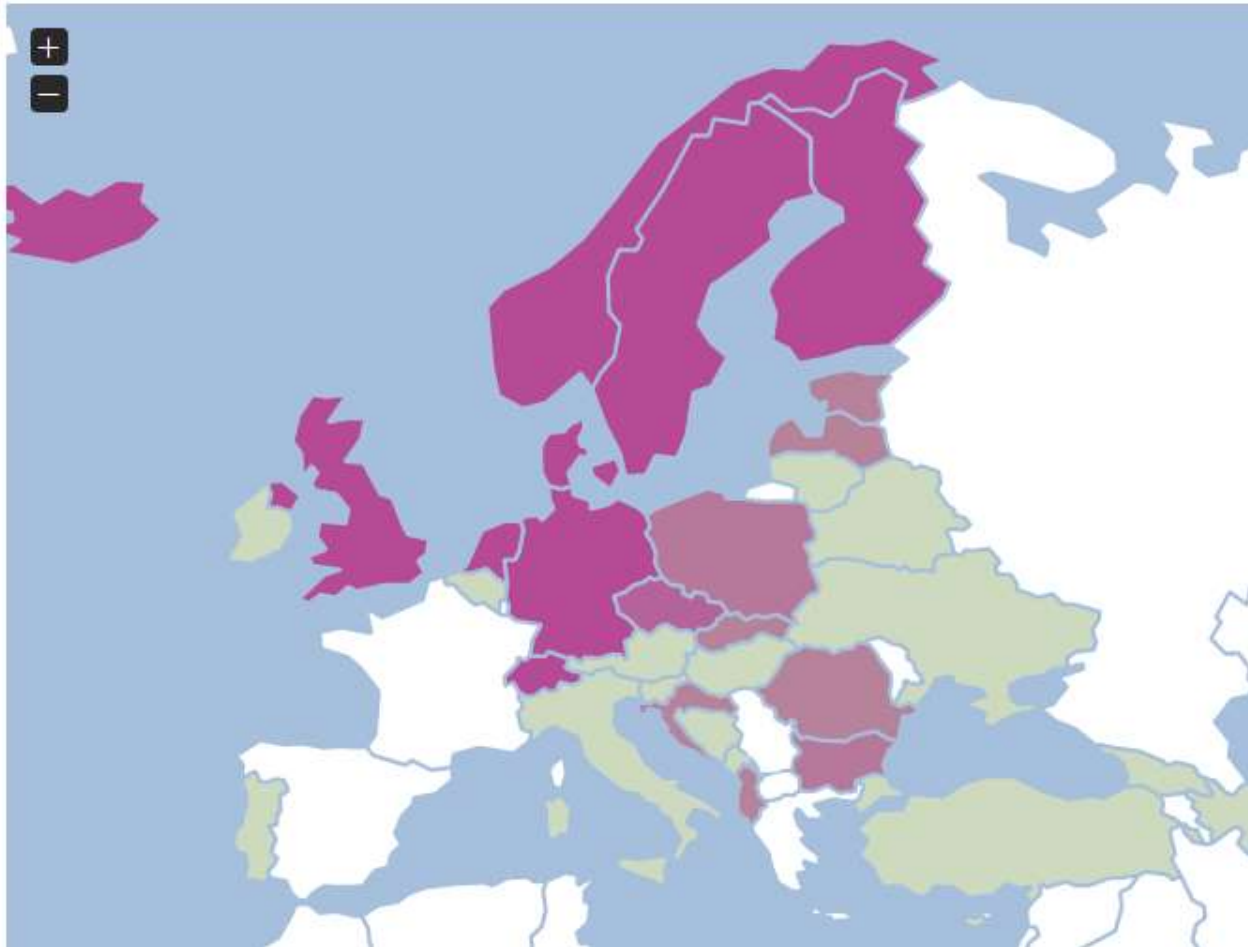
- 7 proposals were selected (**GrapeOnFarm**)

Outcome 1- AEGIS is operational

- To create **A European Genebank Integrated System for PGRFA**, aimed at **conserving the genetically unique and important accessions for Europe and making them available** for breeding and research. Such material will be safely conserved under conditions that **ensure genetic integrity and viability in the long term.**

The European Collection

Total number of European Accessions: 28 847 (June 2016)



Vitis: 131

Croatia: 90
Germany: 30
Albania: 8
Czech R.: 3

Outcome 2- Quantity and quality of data in EURISCO

- 1.8 M accession data from > 300 institutions throughout Europe
- Largest data provider to Genesys and the Global Information System

Vitis sp.: 28 809 accessions Wild *Vitis*: 701 accessions

Switzerland: 7000

Spain: 4768

Italy: 3751

Ukraine: 3585

Germany: 2408

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Spain: 650

Greece: 18

Ukraine: 16

Azerbaijan: 14

Poland: 3

New feature of EURISCO: C&E data


Possible to include data with:

- Simple description of Experiments
- Names of Traits evaluated per each accession
- Assigned Scores

Outcome 3. *In situ* conservation of priority CWR and LR populations

CONCEPT:

- National and regional conservation strategies (checklists → priorities → inventories → action plans)
- Designation and management of **Most Appropriate Wild Populations** (genetic diversity and traits of interest) in **genetic reserves**



The image shows the cover of a report titled "ECPGR Concept for *in situ* conservation of crop wild relatives in Europe". The cover features the ECP/GR logo in the top left corner. The title is prominently displayed in the upper right. Below the title, the authors' names are listed: Nigel Maxted, Alvina Avagyan, Lothar Frese, José Iriondo, Joana Magos Brehm, Alon Singer and Shelagh Kell. At the bottom of the cover, it states "Endorsed by the ECPGR Steering Committee in March 2015". The lower half of the cover is a collage of four photographs showing various wild plants in their natural habitats, including purple flowers, green foliage, and a rocky stream bed.


European
Cooperative
Programme
for Plant
Genetic
Resources

ECP/GR

**ECPGR Concept
for *in situ* conservation
of crop wild relatives in Europe**

Nigel Maxted, Alvina Avagyan, Lothar Frese, José Iriondo,
Joana Magos Brehm, Alon Singer and Shelagh Kell

Endorsed by the ECPGR Steering Committee in March 2015



On-farm: Outlook

- On-farm concept: Third version (Secretariat) almost ready to be submitted to SC, after comments were received from On-farm WG

Proposed ECPGR approach:

- European Inventory of on-farm genetic diversity
- Developing indicators for monitoring diversity and threat
- Promoting good practices for on-farm management and conservation and adding value
- Concept of European on-farm crop diversity sites and its implementation
- Proposing legal and technical solutions to address issues of ownership, access, availability, marketing, etc.

Evaluation of mode of operation of ECPGR – Phase IX

Overall rate:

Highly satisfactory: 17%

Satisfactory: 60%

Partly satisfactory: 20%

Not satisfactory: 1%

General comments:

- Need more funds to implement objectives
- Chairs overloaded with responsibilities
- Request for simplification and more flexibility of Grant Scheme
- ECPGR ability to involve all countries might be at risk

Steering Committee decisions for remaining of Phase IX

- All WG Chairs reconfirmed until the end of the Phase
- Workload on shoulders of Chairs → NCs should encourage WG members to be more active
- No immediate changes on the mode of operation as it is too early to judge its effectiveness
- Possible increased budget to fund activity proposals, including funding per project
- NCs and WG Chairs recommended to focus on identification and flagging of accessions → AEGIS
- AEGIS → WGs recommended to inventory 'needs for services' and 'offers of services' by the Associate Members

Steering Committee decisions for Phase X

- Revision of the ECPGR Objectives
- Budget line for WG meetings (based on cost efficiency) to allow WG members to establish collaboration for action
- Budget line for Grant Scheme (more flexible, no longer 75:25 ratio)
- In situ CWR data in EURISCO: establish agreed minimum data exchange format
- On-farm data: further discussion needed
- Working Groups to engage more with users (supporting use, pre-breeding, etc.)
- Working Groups to engage in global crop conservation strategies

Other Steering Committee decisions

- Lobbying with EC for recognition of ECPGR for implementation of EU Programme on PGRFA
- Recommendation to ECPGR member countries to use SMTA for distribution of both Annex I and non Annex I PGRFA, independently whether material is conserved ex situ or held in situ

Thank you for your attention!



European Accession VIT0035, 'Kraljevina', Croatia