



INFORMATION ON ECPGR

L. Maggioni
ECPGR Secretary

*Eighth meeting of the Allium Working Group
Skierniewice, Poland, 11-12 October 2022*

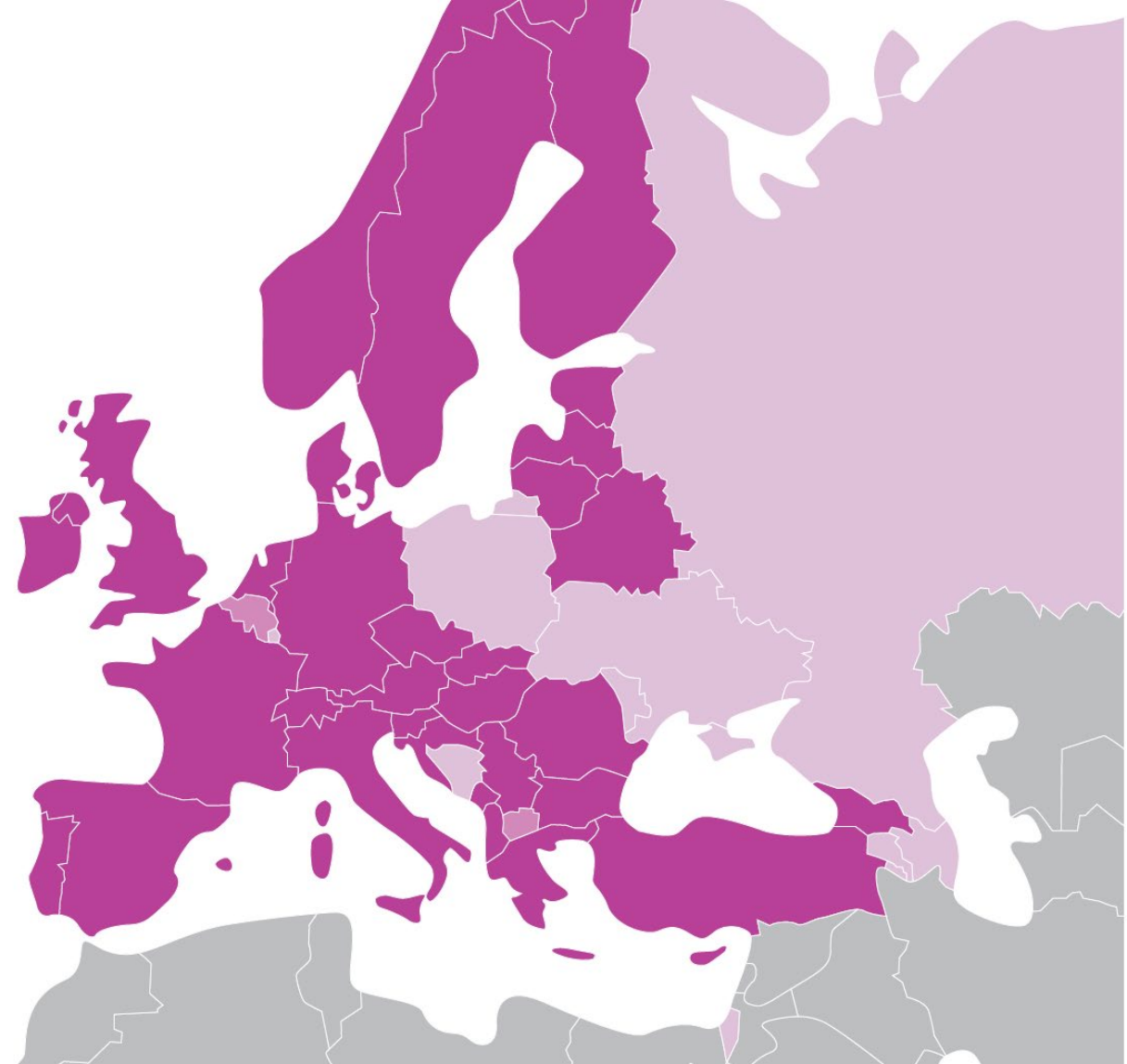


European Cooperative Programme for Plant Genetic Resources

- 42 years of existence
- Objective: collaboratively conserve PGRFA, provide access and increase use
- Funded by member countries and governed by a Steering Committee of National Coordinators
- Budget for actions (meetings and activities), documentation (EURISCO), and coordination (Secretariat)

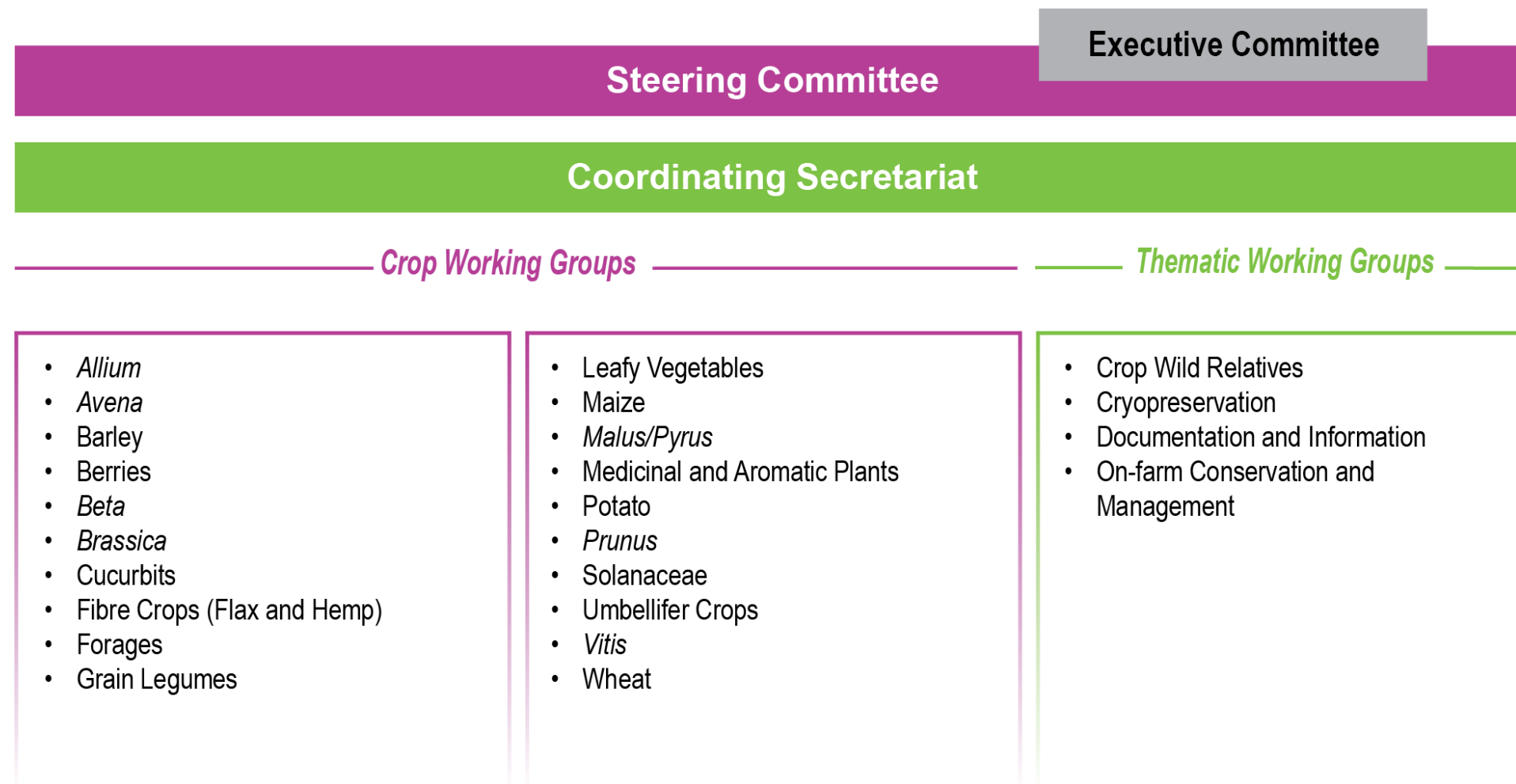


ECPGR membership 2022



- ECPGR Membership in Phase X (Letter of agreement signed)
- ECPGR Membership in Phase X (Country did not sign Letter of Agreement, but is paying contributions)
- Countries eligible to join Phase X

ECPGR structure



Objectives of ECPGR Phase X

<http://www.ecpgr.cgiar.org/about/goals-and-objectives>

1. *Ex situ* conservation and provision of access through **AEGIS** and the **European Collection**
2. Documentation of **passport and phenotypic information** through **EURISCO** (*ex situ* and *in situ*)
3. *In situ* conservation and use of **crop wild relatives**
4. Promotion of **on-farm** conservation and management
5. Promote **use** of PGRFA (**EVA**)

Working Groups operations

- Chair selected by ExCo based on Expressions of Interest
 - A Co-Chair can also be defined
- Members nominated by the respective National Coordinator
 - Number not limited, but contact person suggested
- Expected to organize collaborative activities in line with ECPGR objectives (ECPGR funds + inputs-in-kind)
- Two channels to obtain 'limited' ECPGR funds:
 - Meetings (upon request)
 - Grant Scheme activities (competitive Calls for proposals)
- Chair joins the meetings of 'All Chairs' before SC meetings

AEGIS – A European Genebank Integrated System



- Decentralized **European Collection**
- Country membership via **Memorandum of Understanding**
- **Availability through SMTA**, including non-Annex I material
- **Quality System**: agreed standards, peer review and capacity building
- **Role of Working Groups** for the management of decentralized collection

<http://aegis.cgiar.org/>

European accessions

<i>Allium</i>	
Germany	769
The Netherlands	151
United Kingdom	141
Nordic countries	105
Czech Republic	82
Bulgaria	2
Total	1,250



Agreed standards

CROP-SPECIFIC GENE BANK STANDARDS FOR *IN VITRO* CULTURE AND CRYOPRESERVATION

Agreed by the *Allium* Working Group

August 2017

CROP-SPECIFIC FIELD GENE BANK STANDARDS

Agreed by the *Allium* Working Group

May 2015

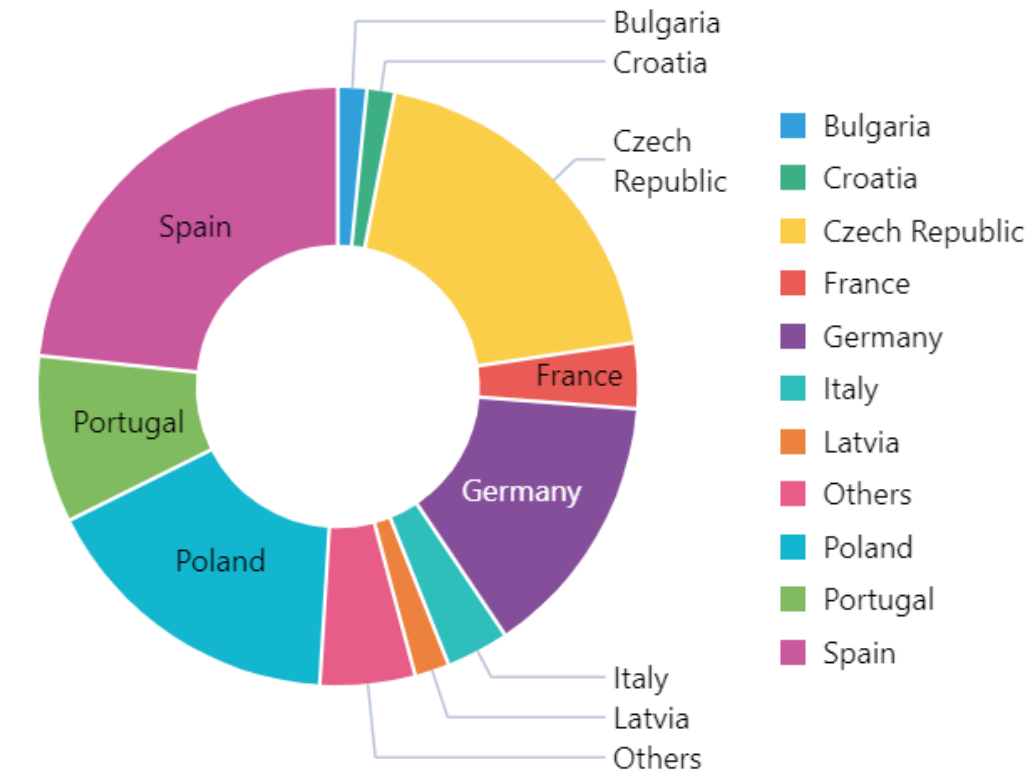
Contents of EURISCO

- 43 countries
- 2,080,035 accessions
- 402 institutes



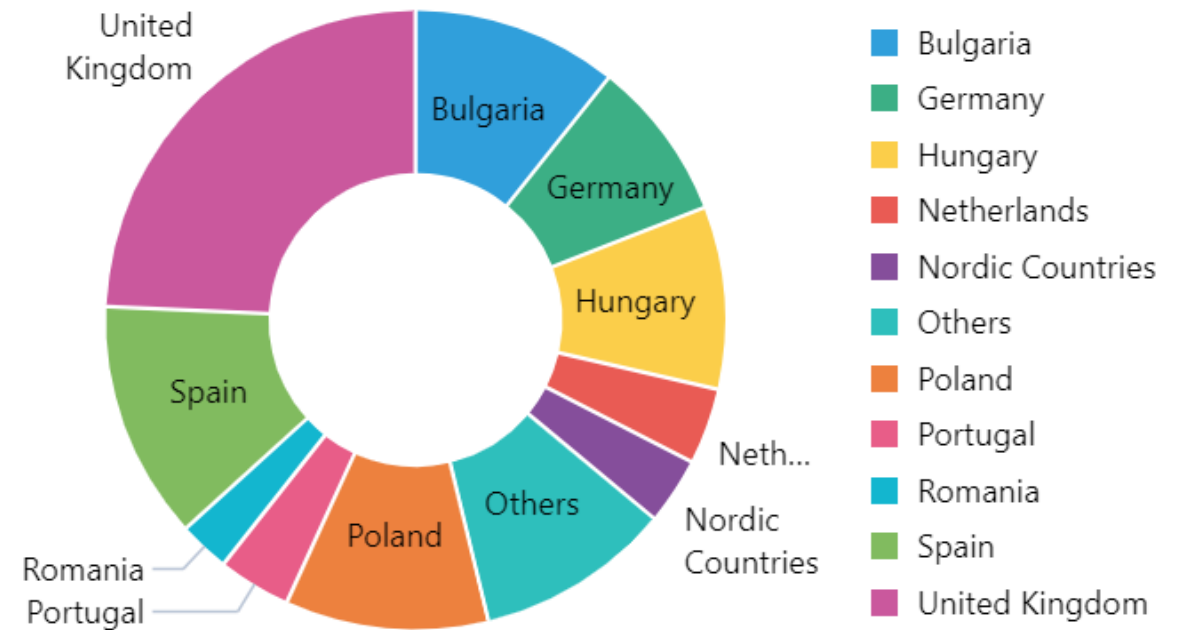
<http://eurisco.ecpgr.org>

Number of accessions by National Inventory of selected crop



Garlic: 3,218 accessions (610 with C&E data)

Number of accessions by National Inventory of selected crop



Onion: 5,738 accessions (258 with C&E data)

C&E Data – EURISCO

Back

Distribution of scores



Descriptive statistics

Trait Name	Minimum	Maximum	Average	Stddev	Variance	First Quartile	Median	Third Quartile
Peronospora destructor	2	8	5.01	1.42	2.01	4	5	6

Experiment Description **Field trail. Mainly short day onions. Sowing date 28-1-91, Planting date 10-4-91. Planting distance 8x40 cm, 140 plants per object. Bulbs harvested 9-9-91. Transplanted in peat pots making bulbs more flat. Location de Goor, Wageningen.**

Trait name **Peronospora destructor**

Trait method **(1=very resistant, ..., 9=very susceptible)**

Extension of EURISCO for Crop Wild Relatives (CWR) *in situ* data

<https://www.ecpgr.cgiar.org/working-groups/crop-wild-relatives/cwr-in-eurisco>

Pilot countries:

- Cyprus
- Czech Republic
- Germany
- Lithuania
- The Netherlands
- Portugal
- Spain
- United Kingdom



Principles for the Inclusion of CWR Data in EURISCO

Prepared by Theo van Hintum and José Iriondo, within the framework of the ECPGR project 'Extension of EURISCO for Crop Wild Relatives (CWR) in situ data and preparation of pilot countries' data sets' (CWR data in EURISCO), funded by the German Federal Ministry of Food and Agriculture.

Agreed by project partners and EURISCO Advisory Committee in May 2022

European Evaluation Network for PGRFA (EVA)

EVA

European Evaluation Network



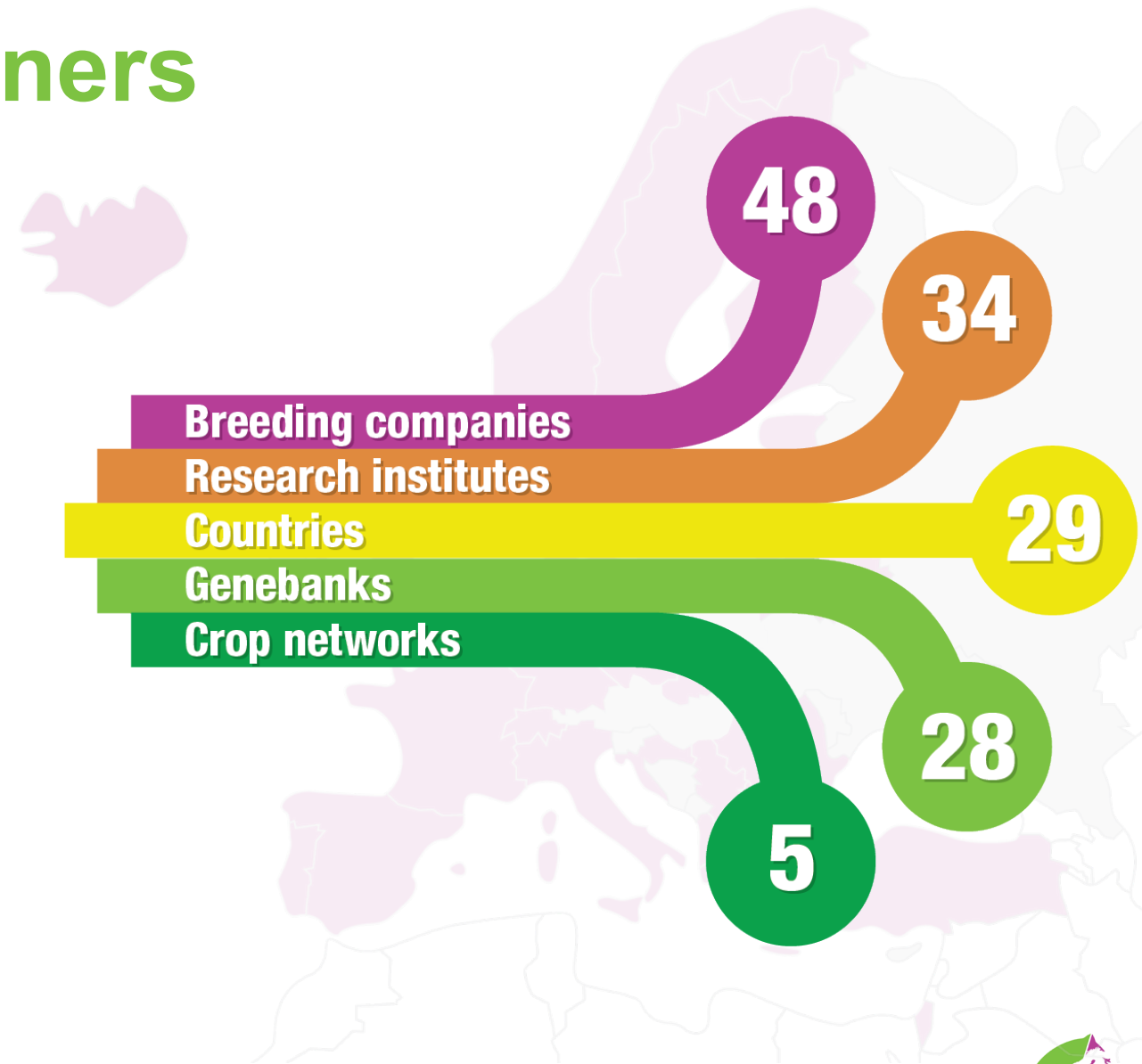
PUBLIC–PRIVATE PARTNERSHIPS

Increasing ECPGR knowledge and opportunities on public–private partnerships for the use of plant genetic resources for food and agriculture.

<https://www.ecpgr.cgiar.org/european-evaluation-network-eva>

More than 90 EVA partners

- **Public partners**
 - Genebanks
 - Universities and research institutes
- **Private partners**
 - Multinational breeding companies
 - SME breeding companies
 - Organic breeding companies
 - Breeding and farming cooperatives



Five crop-specific EVA networks

**EVA
Carrot**



**EVA
Lettuce**



**EVA
Pepper**



**EVA
Wheat & Barley**



**EVA
Maize**



109 Evaluation trial sites across Europe



EVA wheat trial 2021, BASF (V. Spamer)



EVA lettuce trial 2022 *Sativa* Rheinau (C. Aichholz)



EVA pepper trial 2021, Semillas Fito (M. Fernandez)



EVA carrot trial 2021 Institut Agro Angers (E. Geoffriau)



EVA maize trial 2021, CREA-CI (C. Balconi)



Genetic Resources:

**a NEW open-access
journal for the
GenRes community**



Genetic Resources

www.genresj.org



Genetic
Resources

ORIGINAL ARTICLE

Genetic Resources (2021), 2 (3), 1–10

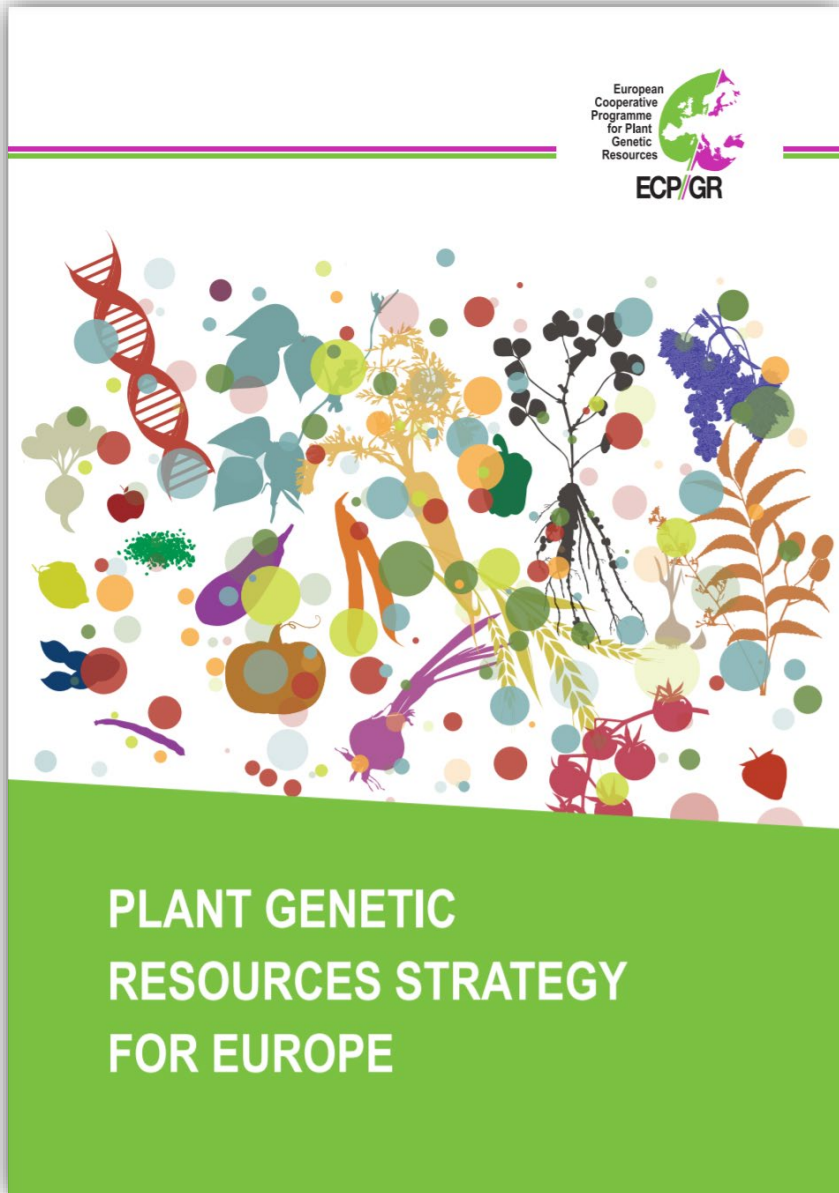
DOI: [10.46265/genresj.DMAT2233](https://doi.org/10.46265/genresj.DMAT2233)

<https://www.genresj.org>

ISSN: 2708-3764

Collecting and regenerating populations of the *Allium ampeloprasum* complex from Greece

Chris Kik ^{*,a}, Liesbeth De Groot ^a, Gerlof Bottema ^b, Marc Op 't Hof ^c, Niels De Visser ^d, Peter Willems ^e, Toon Van Doormalen ^f, Stelios Samaras ^g, Elias Polemis ^h and Dimitris Tzanoudakis ⁱ



ECPGR as part of EC projects

- GenRes Bridge (2019–2021)
 - PGR Strategy for Europe
- AGENT (2021–2025)
 - Genebank peer reviews
 - Trainings
 - EVA extension
- Pro-GRACE (2023–2025)
 - Towards the establishment of a PGR research infrastructure

ECPGR Towards Phase XI (2024–2028)

- The SC agreed that the proposed priority objectives of Phase XI correspond with **the PGR Strategy**
- **WGs will be maintained** as formal long-term structures, but their mode of operation will be **revised** and **better guided**. Complementary to the WGs, temporary ad hoc Task Forces will be defined to address specific issues or tasks
- New Network/WG on **genebank management**
- Decisions to be taken at the next Steering Committee meeting:
30 May–1 June 2023

Acknowledgments

ECPGR
Secretariat:



Sandra
Goritschnig



Loredana
Maria



Nora
Capozio

A close-up photograph of several white flowers with yellow stamens, set against a blurred green background. The image is overlaid with a semi-transparent dark green filter. A horizontal rainbow gradient bar is positioned below the text.

THANK YOU