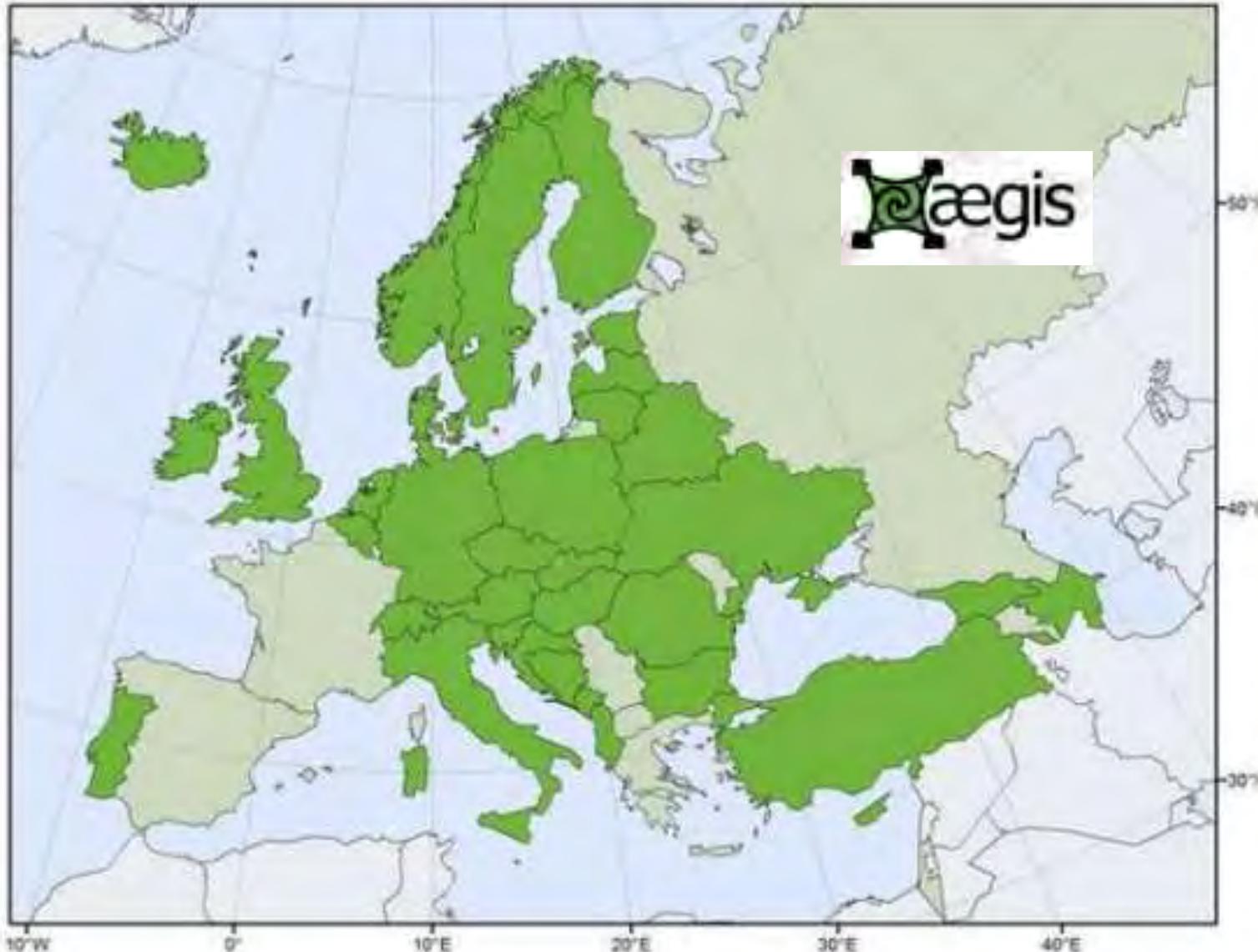
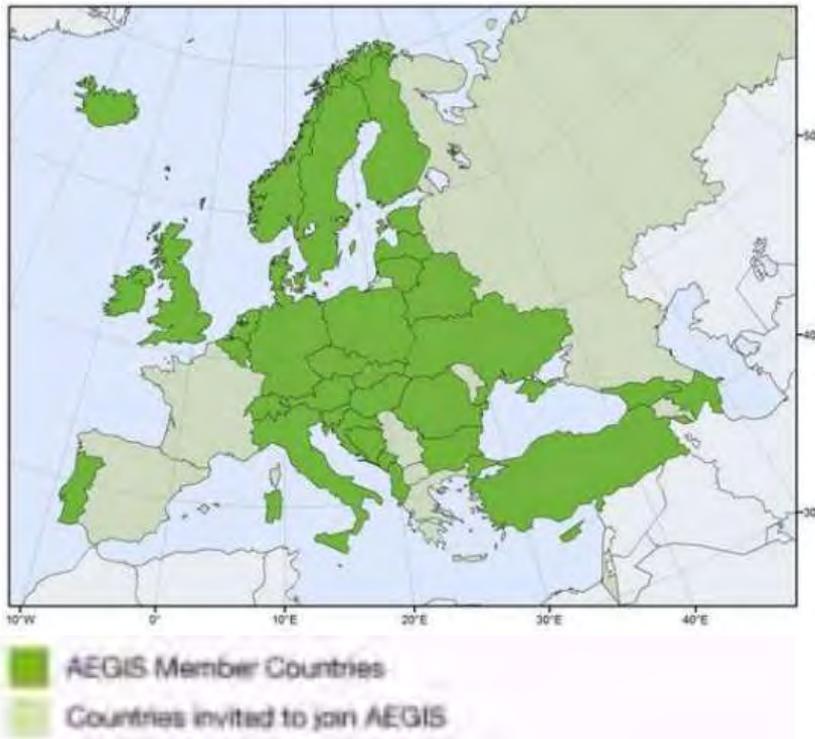


Mægis : A European Genebank Integrated System



AEGIS : A European Genebank Integrated System



34 member countries
66 Associate Member institutions

European platform to integrate European Plant Genetic Resources for Food and Agriculture (PGRFA) under a common system

- Unique accessions
- Quality standards
- Maintained by the participating institutions
- Made available through a Standard Material Transfer Agreement

The European Collection is composed of over 46 000 unique accessions provided by 21 countries.

 : A European Genebank Integrated System

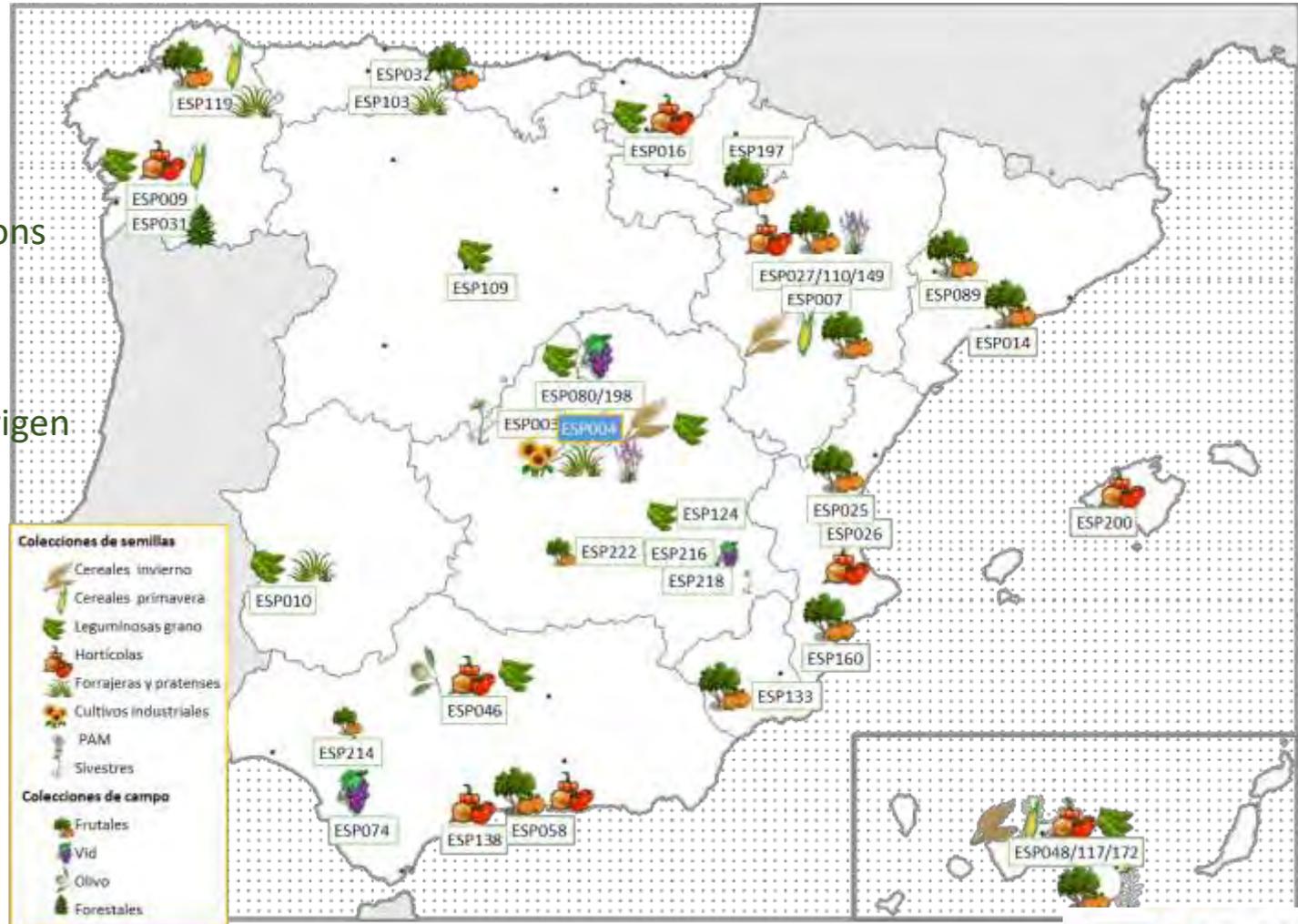
What about Spain?



Spanish Network I

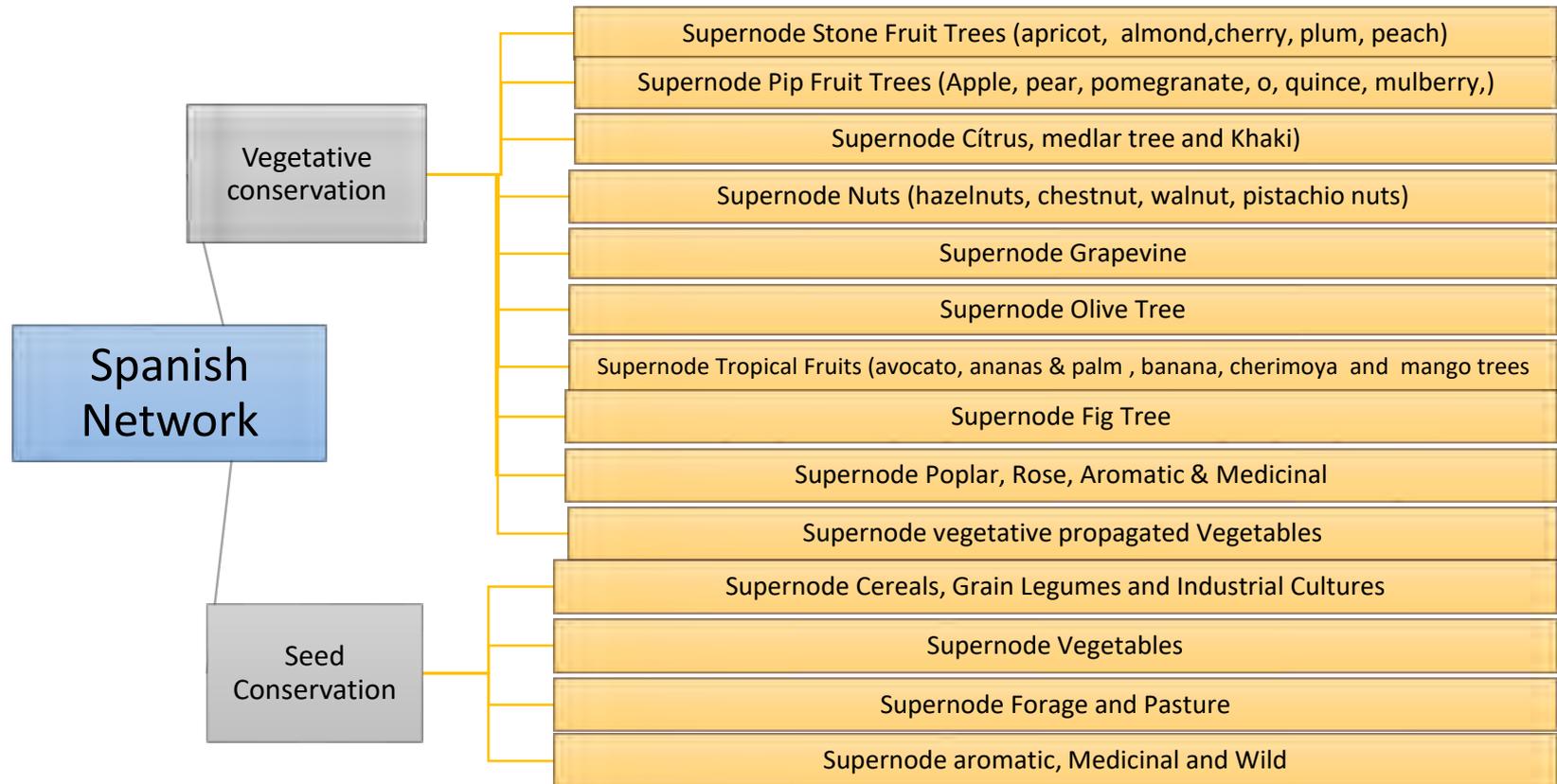
Spanish Network

- 35 collections
- 79.239 accessions
- 3.486 species
- 1.006 genera
- 141 countries
- 73% Spanish origin



Spanish Network II-Structure

Coordinated network



Breeders, On farm and in situ conservation can be associated

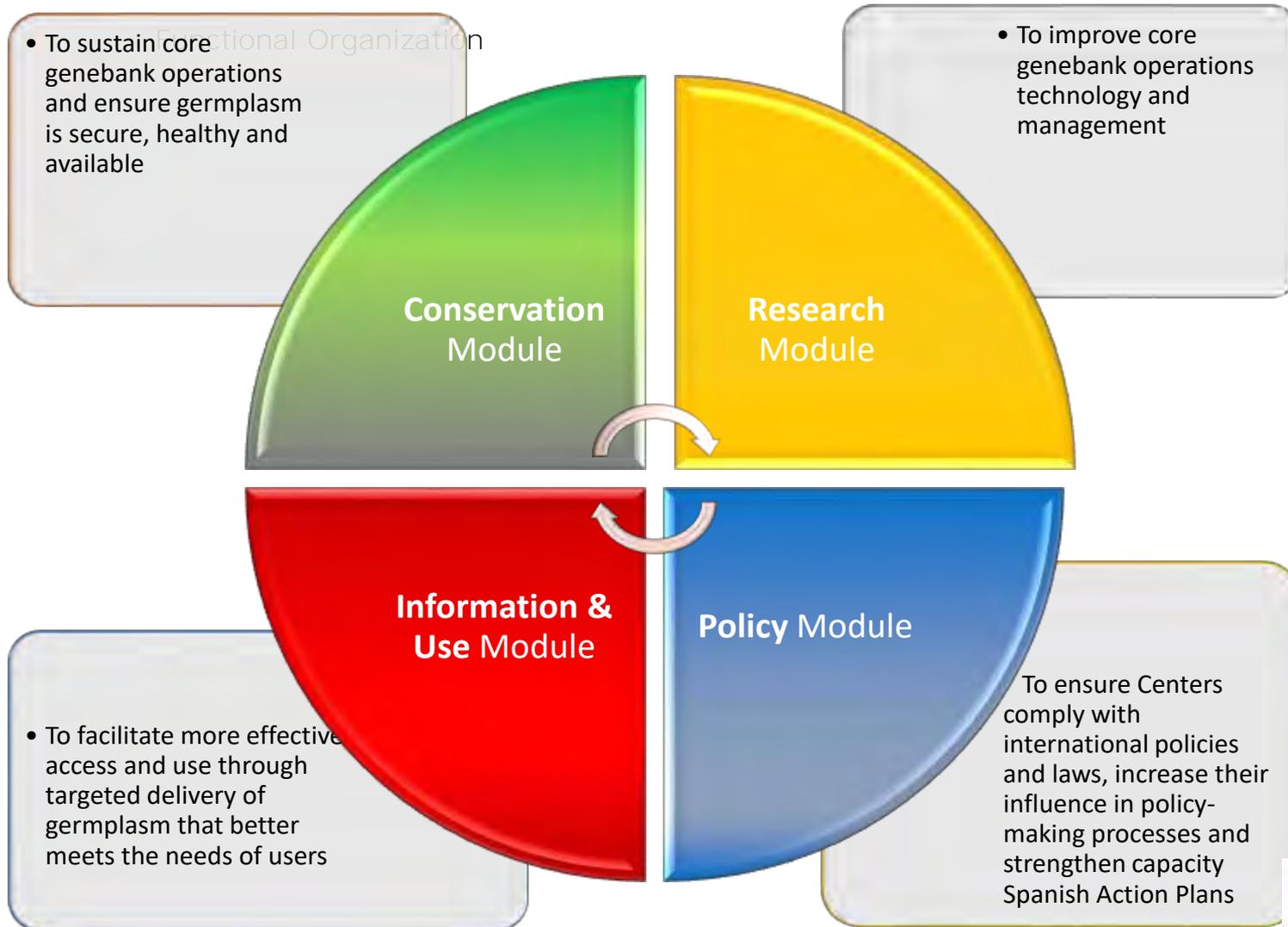
Spanish Network III-ECPGR relations

Network-Supernodes

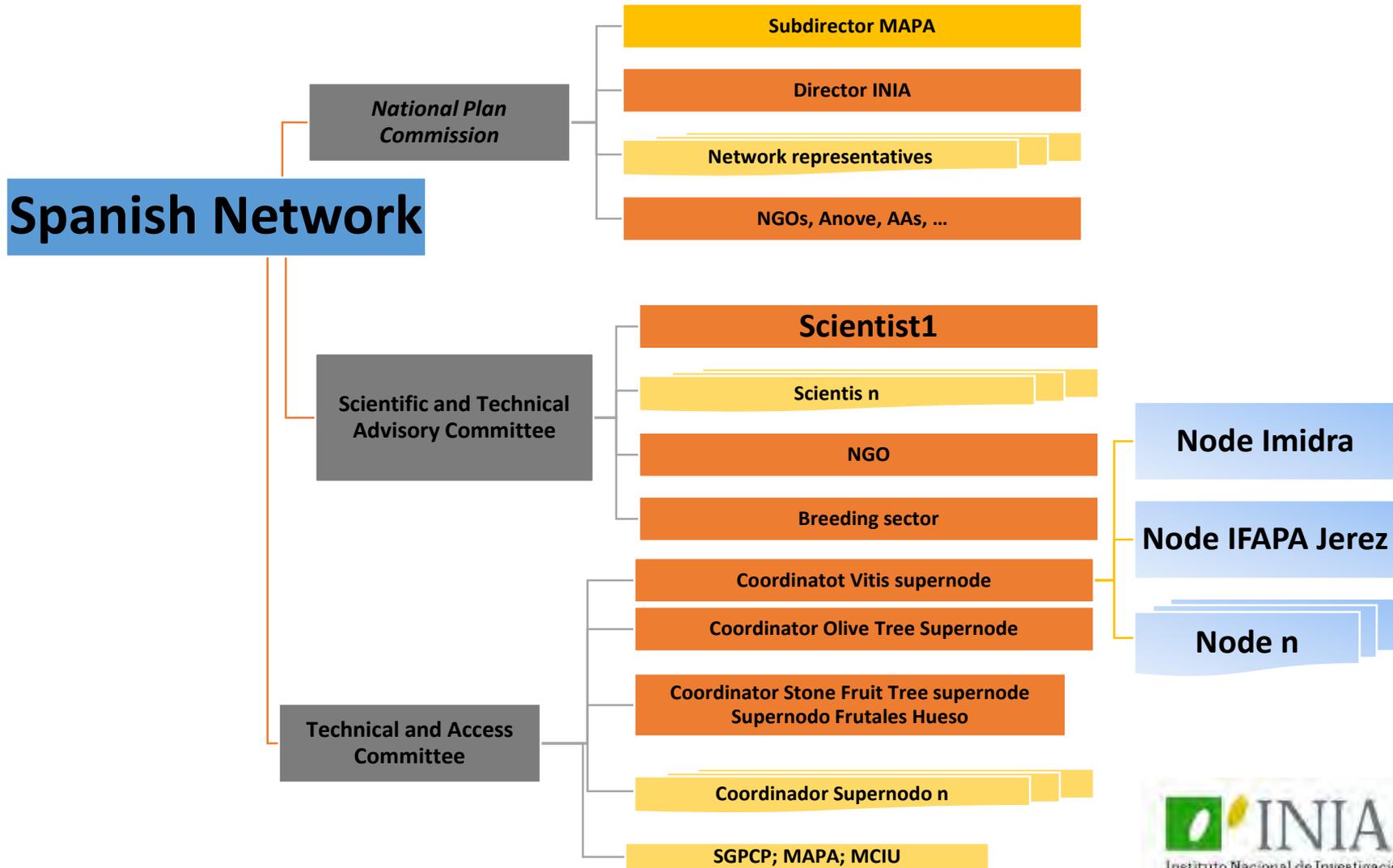
WG- ECPGR

Supernodo Stone Fruit Trees (apricot, almond, cherry, plum, peach)	Prunus WG
Supernodo Pip Fruit Trees (Apple, pear, pomegranate, o, quince, mulberry,)	Malus/Pyrus WG Pomegranate, Mulberry??
Supernode Cítrus, medlar tree and Khaki	≠
Supernode Nuts (hazelnuts, chestnut, walnut, pistachio nuts)	≠
Supernode Grapewine	Vitis WG
Supernode Olive Tree	≠
Supernode Tropical Fruits (avocado, ananas & palm, banana, cherimoya and mango trees)	≠
Supernode Fig Tree	≠
Supernode Poplar, Rosa, and Aromatic and Medicinal	Medicinal and Aromatic Plants WG
Supernode vegetative propagated vegetables	Potato WG
Supernode Cereals & Grain Legumes & Industrial Crops	Wheat WG
	Barley WG
	Avena WG
	Grain Legumes WG
	Fibre Crops WG
	Beta WG
	Allium WG
Supernode Vegetables	Brassica WG
	Cucurbits WG
	Solanaceae WG
	Leafy Vegetables WG
	Umbelifer Crops WG
Supernode forage and pasture	Forages WG
Supernode aromatic, medicinal and wild	Medicinal and Aromatic Plants WG
	Wild Species Conservation in Genetic Reserves WG
	On-farm Conservation and Management WG
	Documentation and Information WG

Spanish Network IV Functional Structure



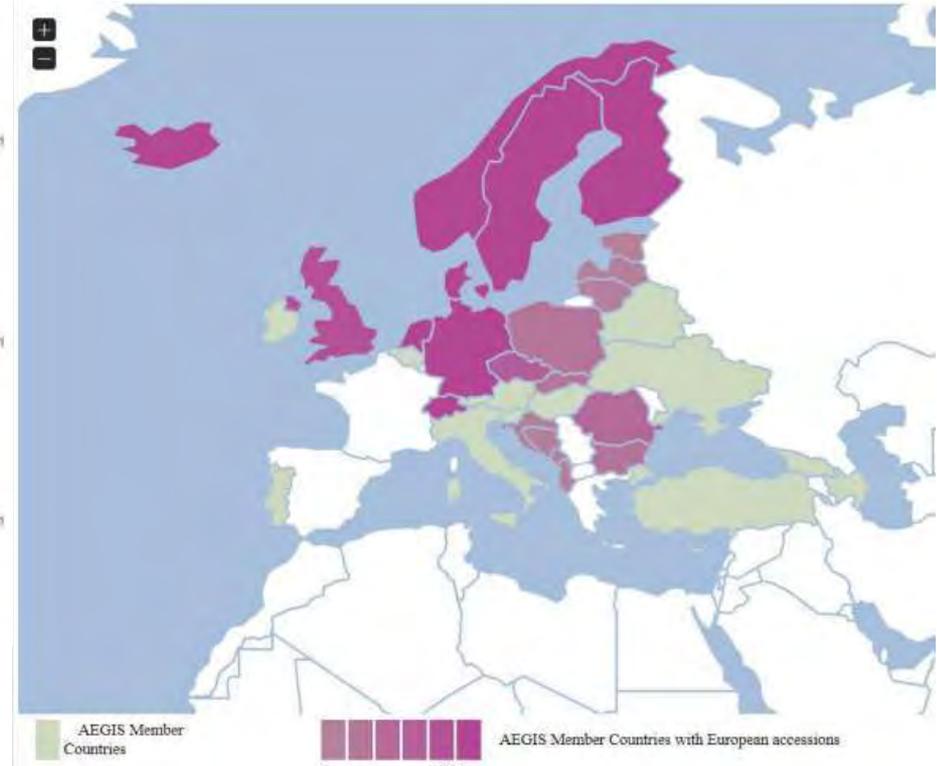
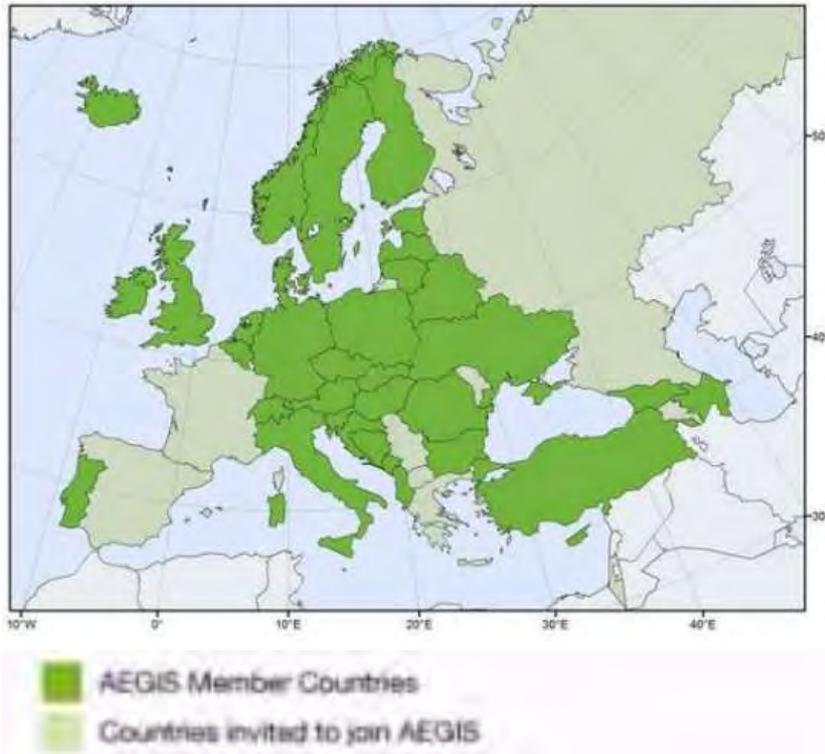
Spanish Network V Governing bodies



Quality Management

- QMS Quality Management System and Standard Operating Procedures (SOPs) ongoing process
- **General standards**+ C&E-----
-----Next- Audit-----
-----Next crop-specific
- On-line operational genebank manuals
- **Safety duplication national policy & Svalbard**
- Unique guidelines for distribution
- Record keeping, reporting and monitoring to National PGRFA Commission
- AQUAS: Quality Management System for AEGIS is the set of policies, processes and procedures that are to be followed to assure an appropriate quality of the activities.
- General and crop-specific standards
- Operational genebank manuals
- Safety duplication policy
- Distribution guidelines
- Record keeping, reporting and monitoring

: A European Genebank Integrated System

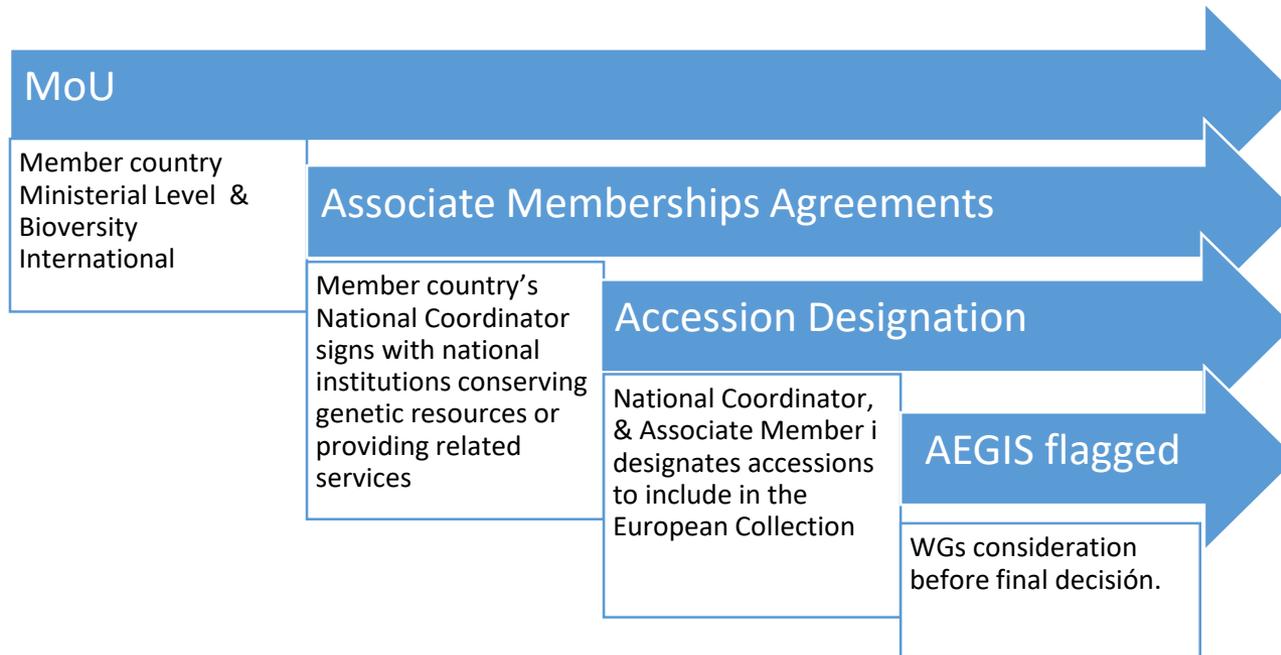


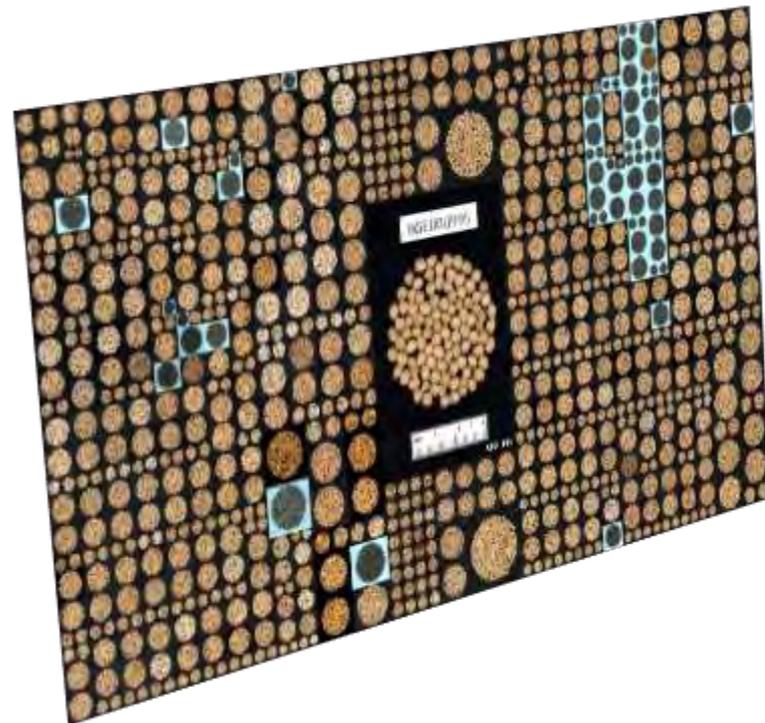
Benefits & Difficulties

- ▶ ~~Commitment~~ [Qualified systems] for long-term conservation of genetic resources
- ▶ Well defined terms of access to genetic material (Standard Material Transfer Agreement)
- ▶ De facto extension of the Multilateral System to non Annex I genetic material
- ▶ Agreed high quality standards for conservation across the European region
- ▶ Reduced risk of loss of material through systematic safety-duplication [prioritize regeneration/multiplication of high rated material]
- ▶ Opportunity to prioritize public funds for characterization and evaluation of public domain European Accessions
- ▶ Rationalization of the European genebank conservation system (opportunities for cost-saving)

- ▶ Selection of the Most Appropriated Accessions, C&E data, criteria and work load
- ▶ Agreement implementation MoU. Additional bureaucratic work to inform WGs
- ▶ Non legally established extension of Annex 1
- ▶ Quality standards implementation
 - Increase work load.
 - Resistance to modify procedures
 - Audit work
- ▶ Modification of protocols to select material for multiplication to focus on high rated material
 - ▶ Neither calls linked to unique or well characterized material nor extra funds for implementation. No differences among all rated collections without extra funding perspectives
 - ▶ High resistance/hesitation to lose material. High numbers reduction maybe linked to funding reduction. Cost saving vs. better use of the funds

: Implementation Steps





Thanks for your attention

