

Hellenic Agricultural Organization-DEMETER's inventories of Plant Genetic Resources for Food and Agriculture - development and status

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Hellenic Agricultural Organization-DEMETER

- Established in 2011 following the merge of four Organizations which are involved in activities in the agricultural sector,
- functions as a legal entity of the public sector supervised by the Ministry of Agricultural Development & Food and
- aims to develop and support actions to modernize and develop the agricultural sector of the country, to improve production processes, to enhance competitiveness, to certify the quality of agricultural products and food, to establish good agricultural practices and controls, to educate and train farmers.



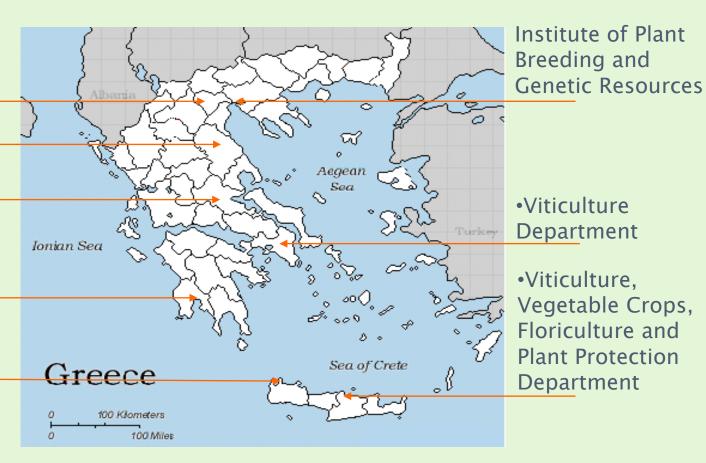
Hellenic Agricultural Organization-DEMETER

▶ The Directorate General of Agricultural Research (former National Agricultural Research Foundation – NAGREF) of the Organization promotes research and technological activities in the agricultural production sector, aiming at an integrated approach to deal with rural development within the framework of national and EC agricultural policy. The research activities are carried out through its Institutes. The Institutes that are responsible for the conservation, characterization and evaluation of plant genetic resources are the following:



Collections of the Institutes of the Hellenic Agricultural Organization-DEMETER

•Deciduous Fruit
Trees Department
Institute of
Industrial and
Forage Crops
•Nut Trees
Department
•Olive Tree, Fruit
and Vegetable
Crops Department
Institute of Olive
Tree, Subtropical



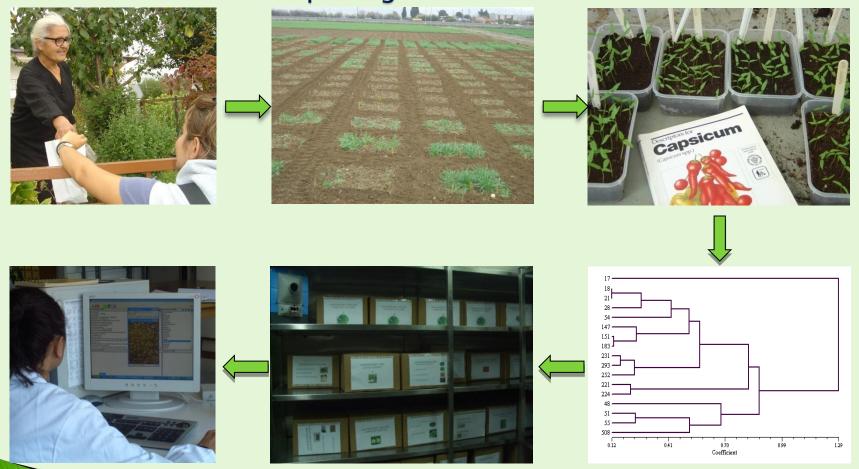


Plants and

Viticulture

Institute of Plant Breeding and Genetic Resources Greek Genebank

Collection, regeneration, characterization, evaluation, conservation and documentation of plant genetic resources





Institute of Plant Breeding and Genetic Resources

Landraces seed collection Aegean Sea Ionian Sea ωQ<u>`</u> Sea of Crete Greece 100 Kilometers 100 Miles

Institute of Plant Breeding and Genetic Resources

Landraces seed collection



9–11 October 2018, Gatersleben, Germany

Institute of Plant Breeding and Genetic Resources Crop wild relatives seed collection











Institute of Plant Breeding and Genetic Resources Medicinal and Aromatic Plants seed collection





Institute of Plant Breeding and Genetic Resources Vine field collection











Cherries field collection











Peaches, Plums and Hazelnuts field collection





Almonds field collection











Pears field collection





EURISCO training workshop 2018 9-11 October 2018, Gatersleben, Germany

Apples and Pomegranates field collection





EURISCO training workshop 2018 9-11 October 2018, Gatersleben, Germany

Nuts field collection





Institute of Olive Tree, Subtropical Plants and Viticulture Viticulture Department

Vine field collection





Institute of Olive Tree, Subtropical Plants and Viticulture Olive Tree, Fruit and Vegetable Crops Department Olive field collection





Institute of Olive Tree, Subtropical Plants and Viticulture Olive Tree, Fruit and Vegetable Crops Department Figs field collection







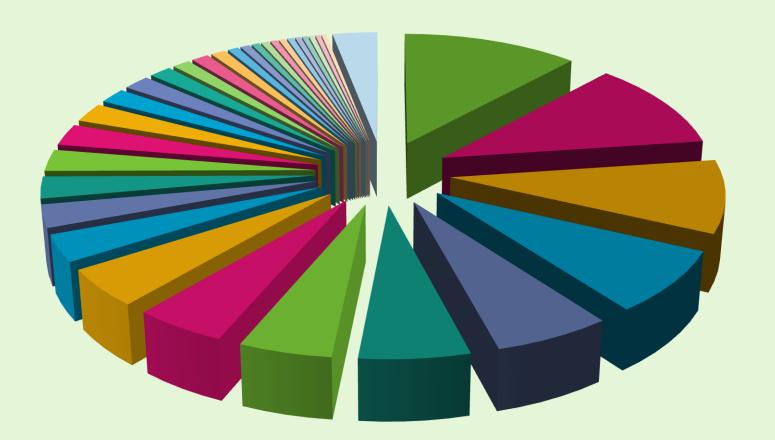




EURISCO training workshop 2018 9-11 October 2018, Gatersleben, Germany

Hellenic Agricultural Organization-DEMETER's inventories of Plant Genetic Resources for Food and Agriculture

6.272 accessions in EURISCO



Aegilops spp.

■ Vitis vinifera

Nicotiana tabacum

Phaseolus spp.

Trifolium spp.

■ Gossypium hirsutum

■ Hordeum spp.

Zea mays

■ Vicia spp.

■ Cicer arietinum

Triticum spp.

Brassica spp.

Prunus spp.

Dactylis glomerata

Medicago spp.

Allium spp.

Lens culinaris

Lupinus spp.

Lolium spp.

Dasypirum villosum

Lathyrus spp.

Festuca spp.

Lactuca sativa

Solanum spp.

Capsicum annuum

Pisum sativum

Cucurbita spp.

Vigna unquiculata

Avena sativa

Salvia spp.

Agropyron spp.

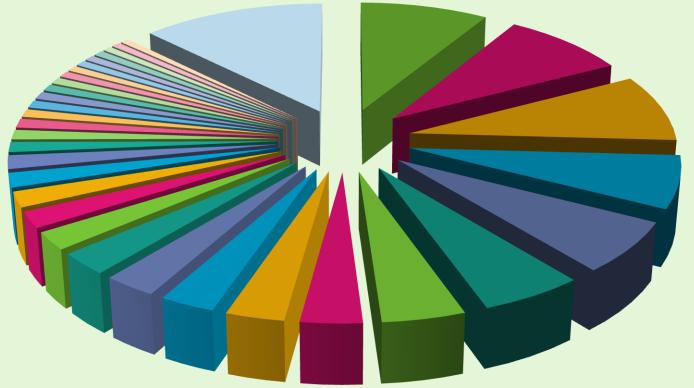
Lotus spp.



Hellenic Agricultural Organization-DEMETER's inventories of Plant Genetic Resources for Food and Agriculture Solanum Spp.

6.971 accessions not in EURISCO yet

Phaseolus spp.
Trifolium spp.
Medicago spp.
Cucumis spp.
Cucurbita spp.



Medicago spp. Cucumis spp. Cucurbita spp. Zea mays Allium spp. Capsicum annuum Vicia spp. Triticum spp. Aegilops spp. Citrullus lanatus Brassica spp. Lactuca spp. ■ Vigna unquiculata ■ Hordeum spp. Lotus spp. Abelmoschus esculentus Astragalus spp. Lathyrus spp. Trigonella spp. Petroselinum crispum ■ Beta spp. Ocimum basilicum Apium graveolens Cicer arietinum Daucus spp. Anethum graveolens Hymenocarpus circinatus Lagenaria siceraria Secale spp. Avena spp. Other



Hellenic Agricultural Organization-DEMETER's Inventories of Plant Genetic Resources for Food and Agriculture development and status

Conclusions

EURISCO: 6.272 accessions of previous collections

Not in EURISCO: 6.971 accessions of recent collections + other Organizations/Universities etc accessions C&E data of all accessions

EURISCO includes accessions of previous collections of the former NAGREF Institutes (Greek Genebank, Cereal, Fodder, Industrial Crops, Vine and Pomology Institutes) with few updates.
 All the rest passport and C& E data are registered only in National catalogues.

So... it is important to include in EURISCO the data that are registered in the

National Data Bases, but we have:

to collaborate with genebanks' managers, field collections' curators, national coordinator and focal points and gather all the accessions of the Organizations, Universities, NGOs, Botanical Gardens, in situ and on farm conserved species, etc.
to convince the authorities and the curators of the importance of uploading the passport and C&E Data in EURISCO and update the Greek National Inventory and
to find funds and personnel that will contribute to this aim's implementation.



Acknowledgments

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Thank you for your attention!!!

