

# Documenting European Agrobiodiversity

## EURISCO, the European Search Portal for Plant Genetic Resources

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<http://eurisco.ecpgr.org>



### Introduction

The *European Search Catalogue for Plant Genetic Resources* (EURISCO) is an international database containing information about European *ex situ* conserved accessions of plant genetic resources for food and agriculture (PGRFA) within the framework of the European Cooperative Programme for Plant Genetic Resources (ECPGR). EURISCO is based on a network of national collections coordinated by National Focal Points (NFPs), who develop National Inventories (NIs).

Between 2003 and 2014, EURISCO was maintained by Bioversity International, Italy. Since 2014, it is maintained by IPK Gatersleben, Germany.

Currently, 43 countries participate in EURISCO; its dataset presently comprises passport data of approximately 1.84 million accessions belonging to more than 6,200 plant genera. The accessions are maintained in almost 400 European Institutions. Data is exchanged by the FAO/Bioversity MCPD standard. Recently, EURISCO has been extended for the inclusion of phenotypic data.

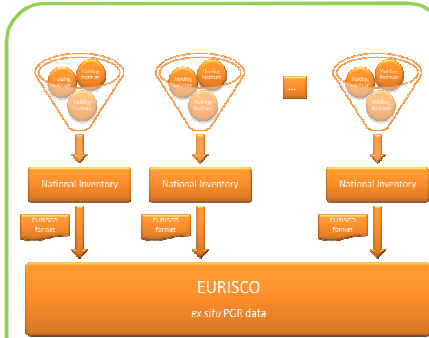


Fig. 1: Data acquisition of EURISCO.

### Cherries in EURISCO

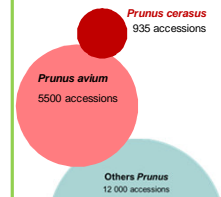


Fig. 2: Cherry accessions in EURISCO (2016)

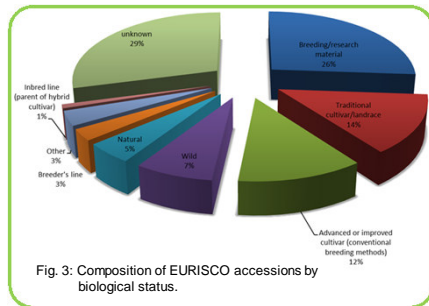


Fig. 3: Composition of EURISCO accessions by biological status.

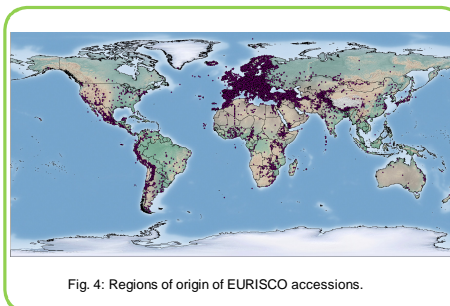


Fig. 4: Regions of origin of EURISCO accessions.

### Future steps

EURISCO will be continuously developed at IPK, based on the requirements expressed by the European PGRFA community, and with the aim of establishing EURISCO as a central repository on PGRFA at the European level. Important objectives are:

- increasing the data quality;
- connecting EURISCO with information systems managing molecular data;
- increasing its attractiveness for modern plant research and breeding.

### Information, documents and statistics



### Passport data search and export

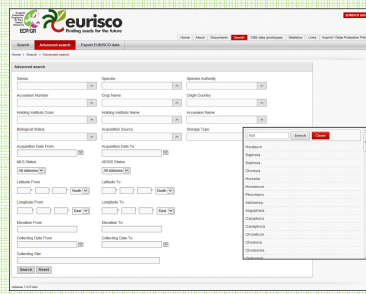
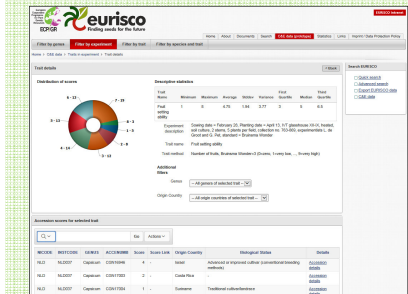


Fig. 5: Screenshots of the new EURISCO web interface developed at IPK.

### Phenotypic data search



## The ECPGR *Prunus* Data Base

Delmas Marine

French National Institute for Agricultural Research (INRA)

<http://www.bordeaux.inra.fr/euprunusdb/index.html>



### Introduction

The European *Prunus* Database was originally established at the Nordic Gene Bank in 1983 and then maintained by the French National Institute for Agricultural Research (INRA) at Bordeaux, under the initiative of the *European Crop Programme for Genetic Resources* (ECPGR) Networks since 1994.

The database contains data of **European collections** of all *Prunus* species, cultivated stone fruits and their related species as well as the wild ones. The EPDB portal provides access to 5 distinct databases providing passport, characterisation, and evaluation data.

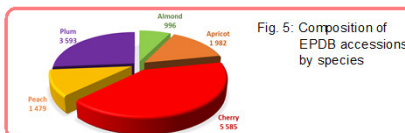


Fig. 5: Composition of EPDB accessions by species

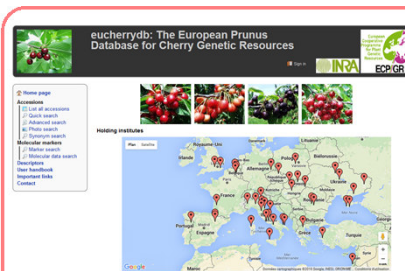


Fig. 6: Screenshots of the EPDB for Cherry web interface.

### Future steps – The EU.CHERRY project

In the beginning of 2016, the EURISCO catalogue include *Prunus* accessions which are not include in EPDB (the opposite is true too), and there is no Characterisation and evaluation data in EURISCO.

The Action 3 of the EU.CHERRY\* project aims to prepare transfer of *Prunus* data and *Prunus* C&E data experience from EPDB to EURISCO. One task will be to define a list of cherry C&E descriptors to be imported in EURISCO, Then data from the project will be send to EURISCO catalogue through the National Focal Points.

\*EU.CHERRY : Collaborative action for updating, documenting and communicating the cherry patrimonial richness in EU - co-sponsored by ECPGR and the COST Action FA1104)