

Apricot and Peach WG Report 2019



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Apricot & Peach WG

✓ established in 2014

To date: 60 members

✓ breeders & variety testers

14 countries

34 R&D Institutes



Secretary: Pavlina Drogoudi,

DEMETER- Department of Deciduous Fruit Trees, Naoussa, Greece,



Establish a collaborative varietal evaluation system in EU

Started in 2016

1. **Prepare a common evaluation protocol**
 - 1.1. *Choose the descriptors*
 - 1.2. *Describe methods*
 - 1.3. *Set up rankings and categories*
 - 1.4. *Document with pictures/drawings*

2. **Establish a multisite collection**
 - 2.1. *Choose the varieties*
 - 2.2. *Find healthy sources and graft the material*
 - 2.3. *Distribute and plant the material in multiple sites*



3. Train the multisite trial

3.1. Training system and tree management according to local standards for testing trials

4. Data collection and storage

4.1. Prototype excel sheet;

4.2. Database to host the data (still investigating feasibility);

1. Develop an evaluation protocol



January-February 2019:

- ✓ **Advanced draft circulated for last revision**
 - ✓ **47 traits**
 - ✓ **18 priority (19 for nectarines)**

Phenological & vegetative	14
Productivity	4
Fruit quality	9
Fruit disorders	12
Post-harvest	3
Derived Parameters	5

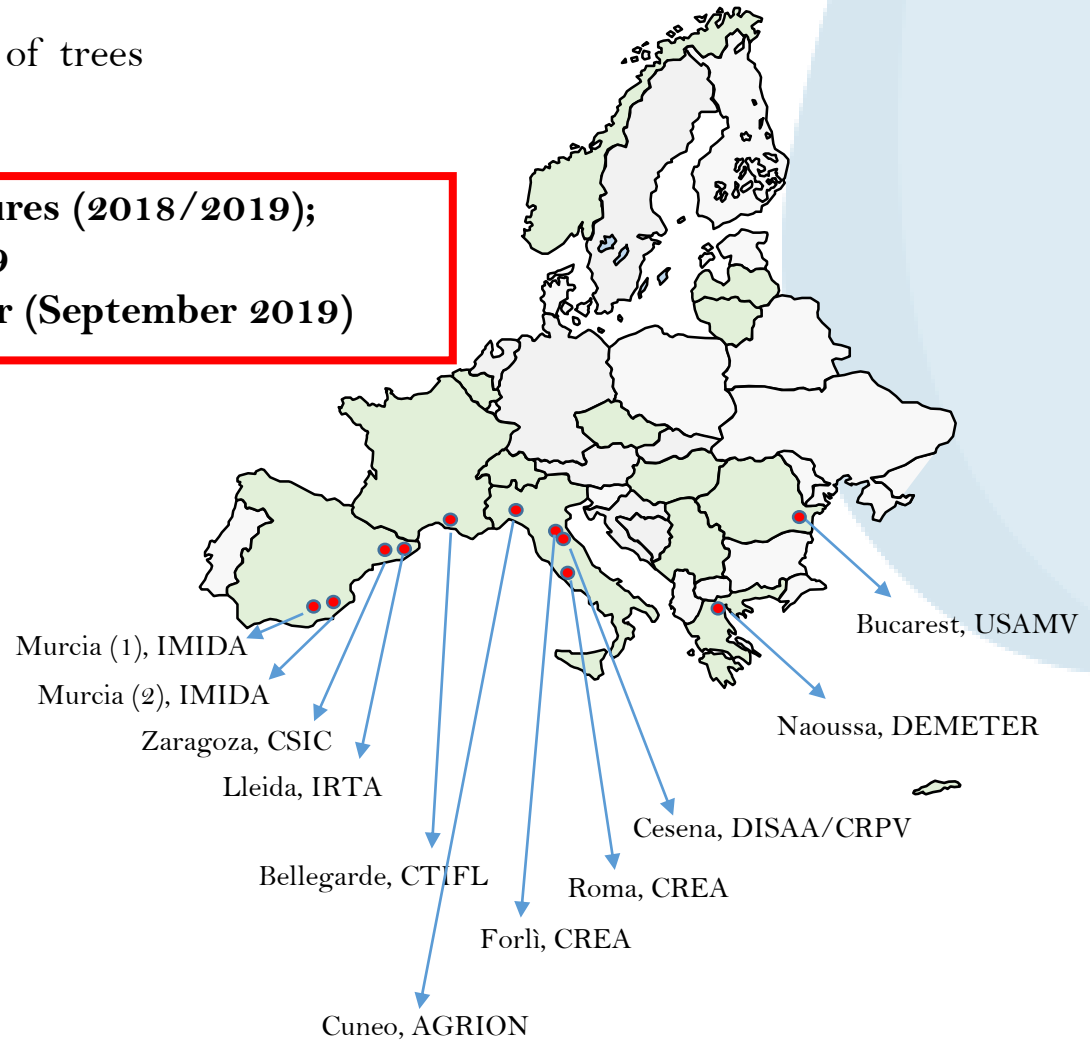
March-October 2019:

- ✓ **Further protocols/scales implemented**
 - ✓ chilling requirement assessment;
 - ✓ susceptibility to chilling injuries (flesh browning, mealy/leathery texture)
 - ✓ Annex with pictures to assist scoring

2. Establish a multisite collection

An EU peach evaluation system network

- ✓ February 2018: distribution of trees
- ✓ 11 testing sites
- ✓ Planting: spring 2018
- ✓ **Regrafting/replacing failures (2018/2019);**
- ✓ **2[^] growing season in 2019**
- ✓ **Replace the wrong cultivar (September 2019)**



The peach varieties



Type of fruit	Name	Taste	Harvest period
YELLOW PEACH	Carlacov	Sweet	Early
	Elegant Lady®	Acid	Medium
	Sweet Dream	Sweet	Medium
	O'Henry®	Acid	Late
WHITE PEACH	Patty®	Acid	Early
	Tonicsweet®	Sweet	Medium
	Gladys®	Acid	Late
YELLOW NECTARINE	Ambra	Acid	Early
	Big Top®	Sweet	Medium
	Venus®	Acid	Late
	Nectapom®	Sweet	Late
WHITE NECTARINE	Borealcov	Sweet	Early
	Emeraude®	Sweet	Medium
	Nectasweet®	Sweet	Late
CLINGSTONE	Catherina®	Acid	Medium
FLAT PEACH	Sweet Cap®	Sweet	Medium
	Regalcake®	Sweet	Late

Obligatory

Voluntary

We acknowledge:

Viversa; Vitroplant; Star Fruits; Certiplant; Quality Plant

3. Train the multisite trials

Training system and tree management according to local standards



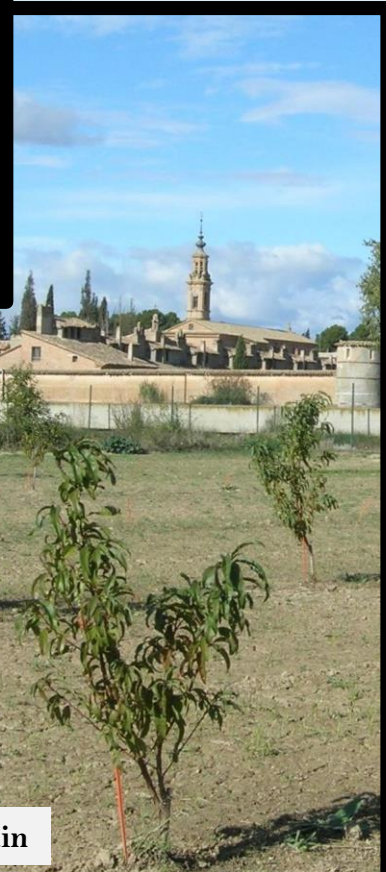
Agrion_Manta, Italy



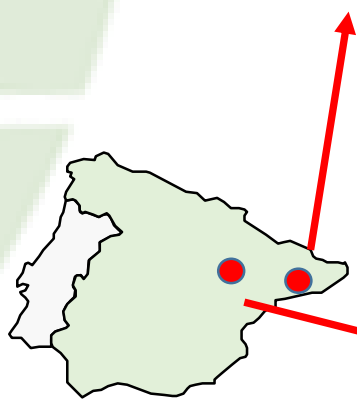
CREA_Forlì, Italy



Lleida, IRTA, Catalunya

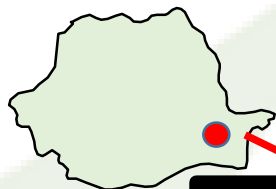


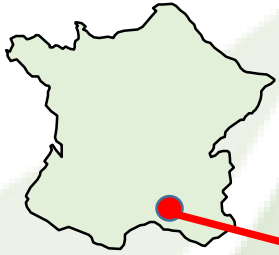
Zaragoza, CSIC, Spain





Mursia, IMIDA, Spain





Bellegarde, CTIFL, France



Naoussa, DEMETER, Greece

4. Data collection and storage

4.1. Prototype excel sheet;

- ✓ Citfl Database hosting the data: feasible
- ✓ Terms of access to the DB: under investigation

Objectives for 2020

- ✓ Finalise the peach evaluation protocol and make it public (EUFRIN website)
- ✓ Find a common data storage system
- ✓ Agree in a lot of 5-6 new peach cultivars to introduce
- ✓ IV Apricot & Peach WG Meeting (June?, Greece)
- ✓ Undertake a similar initiative for apricot



Thanks for your attention