

## Peach and Apricot WG



***Chair*** Dr. Daniela Giovannini, CREA-FRF (Forli)

***Vice-chair*** Prof. Daniele Bassi, University of Milan

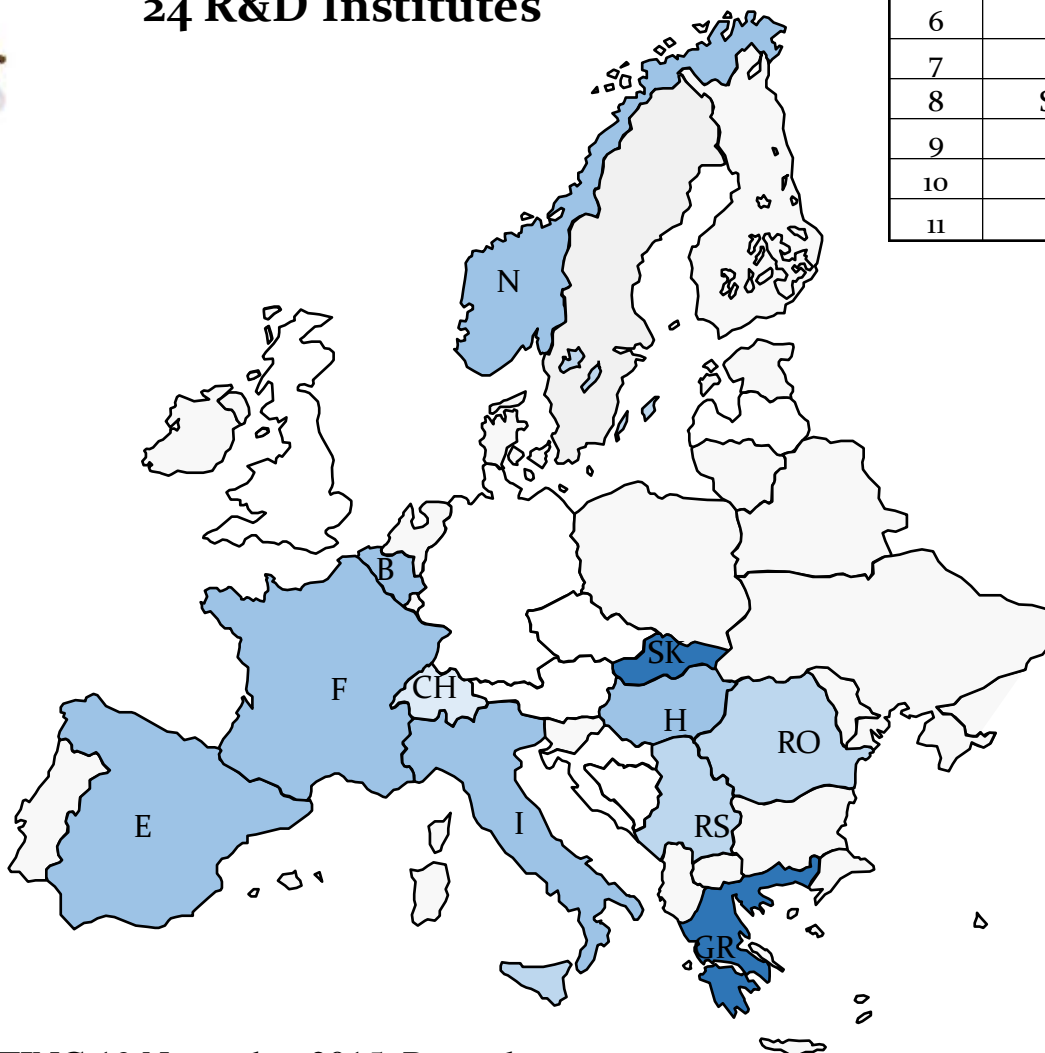
***Vice-chair*** Dr. Alessandro Liverani, CREA-FRF (Forli)



# Peach and Apricot WG

To date: **59 members**  
**11 countries**  
**24 R&D Institutes**

1	Belgium
2	France
3	Greece
4	Hungary
5	Italy
6	Norway
7	Romania
8	Serbian Republik
9	Slovakia
10	Spain
11	Switzerland

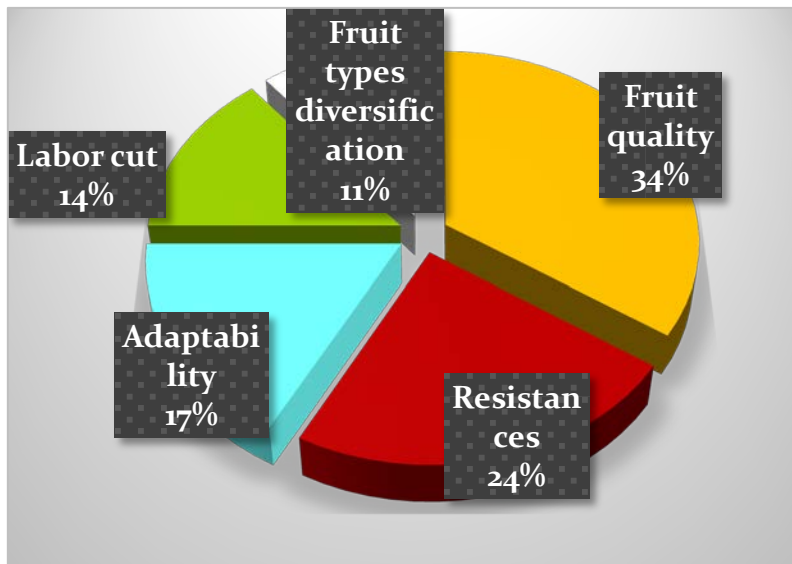


# General Aim

- ✓ Research and development on peach & apricot growing in various environmental conditions

## Focus on

- ✓ **Cultivar agronomic performance evaluation**
  - ✓ Evaluation and characterization of novel varieties in various environments
- ✓ **Breeding for better fruit quality, resistance & adaptability**

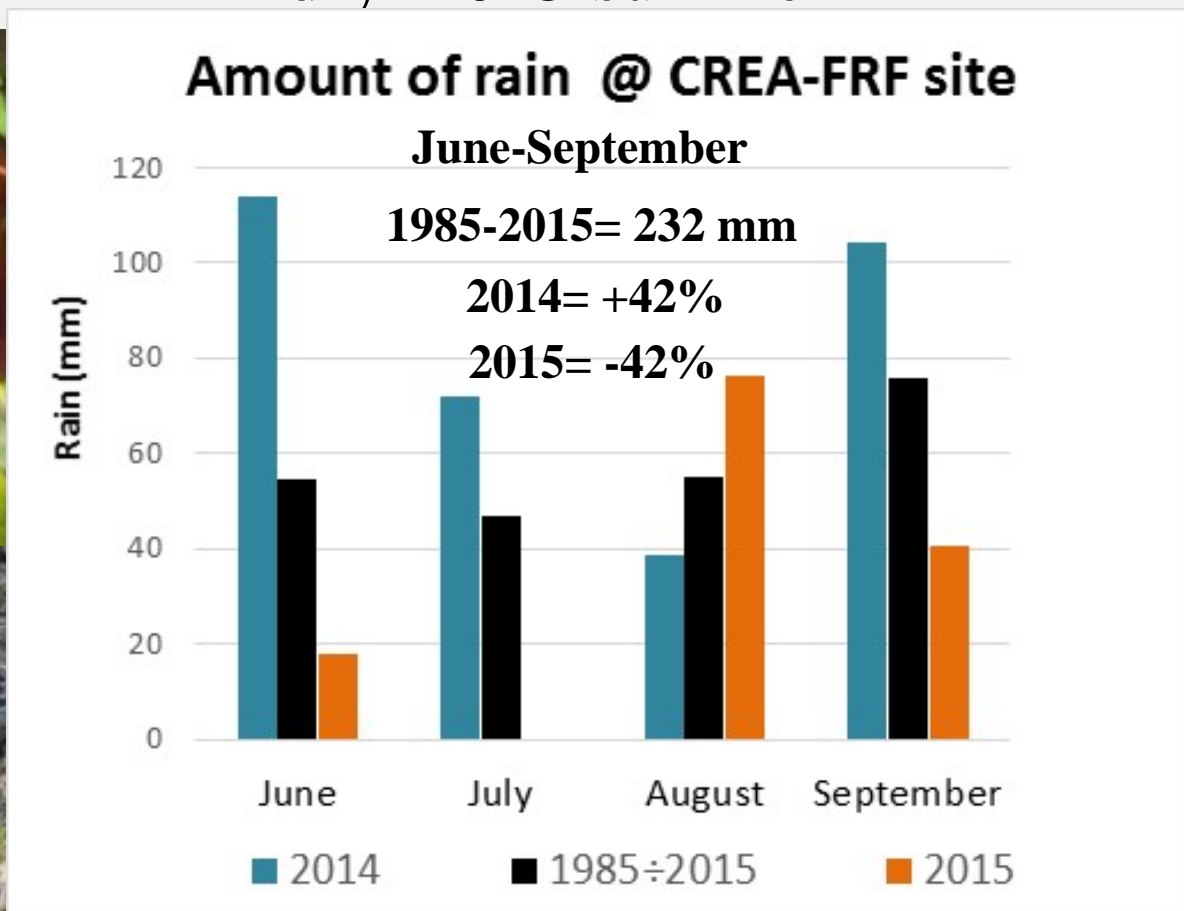


Survey 2014 on peach breeders:  
The major future challenges

Survey 2015 on apricot breeders:  
More questionnaires expected



An unusually 'wet' 2014 summer followed by an unusually 'dry' 2015 summer



# 2015: Main effects on the peach collection @ CREA-FRF

Delayed harvest date (avg. +6 days)

Smaller fruit size (avg. -19.5 g)

Increased SSC (avg. +2.6 °Brix)

Other effects: Better scores for fruit taste, prolonged firmness keeping in pre- and post-harvest, less fruit rots, reduced 'inking'

## ?? Possible problems at the reproductive level in 2016

Hot & dry 2012 summer



Blind nodes & double fruits sharp increase in spring 2013





## International events

The XVI Int.Symp. on Apricot Breeding and Culture, China, June 29 – July 3, 2015

### Five sessions, 86 contributes: 26 oral; 60 posters

1. Production and Pre-harvest Physiology
2. Harvest and post-harvest physiology, fruit quality and processing
3. Breeding, genetics and molecular sequencing/markers
4. Resistance to Viruses and Phytoplasma
5. Diversity

- ✓ **Cultivar adaptability**
- ✓ **Extended harvest calendar (early and late); Low chilling (<150 CU);**
- ✓ **Long shelf-life, slow ripening**
- ✓ **Resistance to PPV; ESFY; Multiple resistance;**

ISHS Apricot WG new Chairman: LIU Weisheng

Next ISHS Symposium: Malti, Turkey



# Missed opportunities....



## **GEMFRUIT**

**SFS-5-2015: “Strategies for crop productivity, stability and quality”**

### **Task 5.1: Apple and peach EUFRIN dataset compilation and management**

- ✓ Establishment of a common set of phenological and agronomical descriptors; multisite historical + new evaluation data coupled with meteorological data aimed to assess genotype x environment interaction

## **EU.FRUNET**

**SFS-7-2014/2015: Genetic resources and agricultural diversity for food security, productivity and resilience**

- ✓ Contribute to the reinforcement of the EU collaborative evaluation of novel fruit varieties and to the foundation of a prospective multi-actor

# Activities planned for 2016

## ✓ Cultivar agronomic performance evaluation

- ✓ Establishment a common and shared set of descriptors for variety testing purposes
- ✓ Evaluation and characterization of new cultivars in various environments

## Planning the Peach&Apricot meeting...

Many thanks for your attention

### *In search of a Meeting site for 2016*

- Lleida (Spain), end of July, during a IRTA field day exhibition of novel peach/nectarine cultivars;
- Other candidate sites

