

Peach and Apricot WG

November 2013 – Approval of the EUFRIN Board

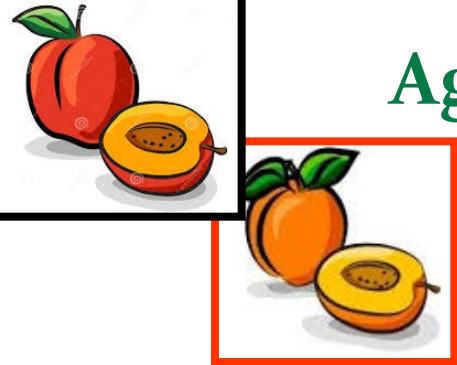


Chair Dr. Daniela Giovannini, CRA-FRF (Forli)

Vice-chair Prof. Daniele Bassi, University of Milan

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

Agricultural Research Council (C.R.A.)



CRA
Italy's largest public agency operating
in the field of agriculture

Specializing in
key scientific sectors

- agrarian engineering
- climatology and meteorology
- entomology and pathology
- genomics and breeding
- pedology
- forestry and land use
- agro-food technology
- agronomy

15 Centers
32 Units

With scientific expertise in
the main agricultural supply chains

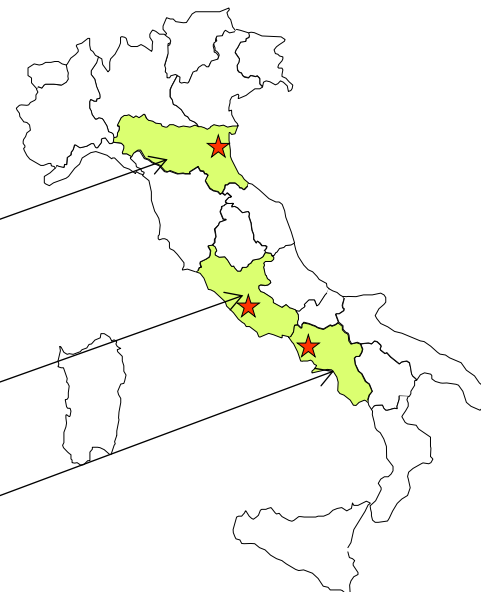
- animal husbandry
- wine
- olive oil
- fruit
- vegetables
- citrus
- cereal
- plant nurseries
- industrial crops and wood

Italy's fourth largest
public agency for research

1,400
Staff members

5,300
hectars of Property for experimental use

2/3
Researchers
Technicians and Operators



**3 Fruit Crop
Research Centers**

Fruit Tree Research Unit of Forlì (CRA-FRF)

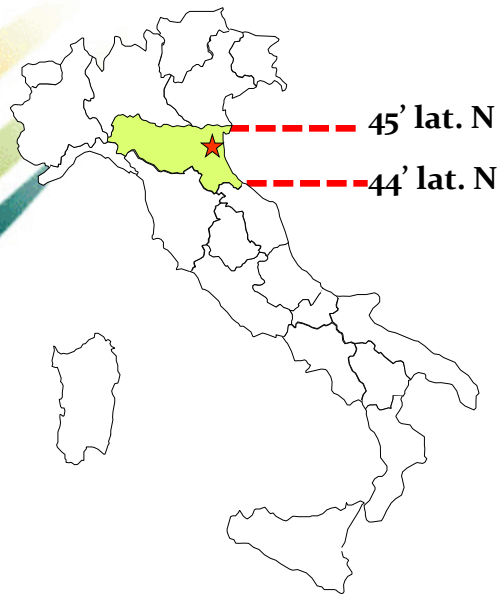


Born: 1967

Prevailing Mission: Varietal Innovation in Fruit Crops

Facilities:

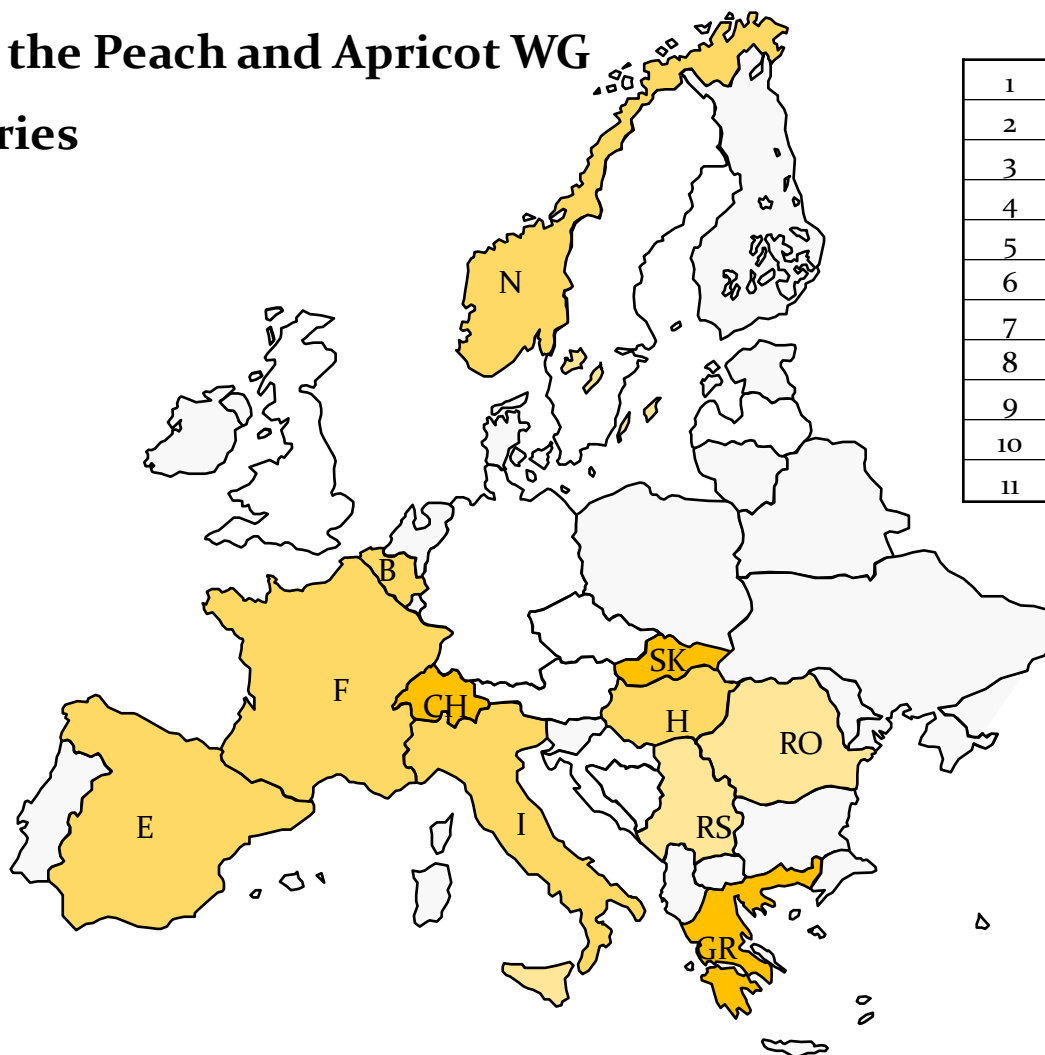
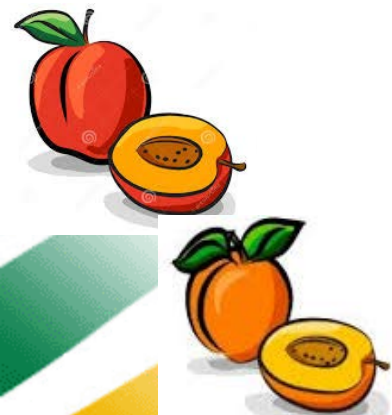
- ✓ experimental farm of 40 cultivated ha (progenies and collections of main fruit trees);
- ✓ greenhouses and equipments for agronomic trials;
- ✓ labs for genetic, biochemical and physiological studies and the analysis of fruit quality traits.



May 2014 – Invitation to join the group circulated

Countries joining the Peach and Apricot WG

To date: 11 countries



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



Peach and Apricot WG

First steps



8 August 2014

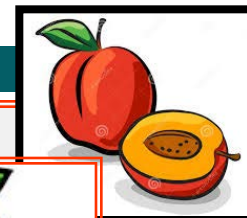
ONE-DAY PEACH & APRICOT SUMMER MEETING
Forlì (Italy)

- ✓ First EUFRIN Peach & Apricot WG Meeting (9:00 ÷ 12:30)
- ✓ Fruit exhibition (afternoon)

Organizers:

Daniela Giovannini & Alessandro Liverani, Fruit Tree Research Unit of Forlì, CRA
Daniele Bassi, Di.Pro.Ve Department, University of Milan

EUFRIN Peach & Apricot meeting: morning



Chair: Daniela Giovannini

9:00-9:10

Walther Faedi, CRA-FRF Director. *Welcome greetings*

9:10-9:25

Daniela Giovannini, CRA-FRF, Italy. *The new 'Peach and Apricot' EUFRIN WG.*

9:25-9:40

Pavlina Drogoudi, HAO, Greece. *Peach and apricot cultivars produced at Pomology Institute in Greece.*

9:40-10:00

Julien Ruesch, CTIFL, France. *On tree and post-harvest evaluation of peach and apricot varieties at Cifl.*

10:00-10:20

Zhijun Shen, JAAS, China. *Research progress on peach in JAAS, China*

10: 20-10:45 **Coffee break**

10:45- 11:15

Daniele Bassi, Di.Pro.Ve., Italy. *The FruitBreedomics project: an outlook to peach breeding*

11:15-11:45

Alessandro Liverani, CRA-FRF, Italy. *The CRA-FRF breeding activity on peach*

11:45-12:15

Angelo Ciacciulli & Federica Brandi, Di.Pro.Ve & CRA-FRF, Italy. *Different approaches for flesh phenotypization in peach*

12: 15-12-30

Katya Carbone, CRA-FRU, Italy. *Pomological and nutraceutical evaluation of some early ripening apricot varieties: preliminary results.*

h. 12.30- 13:30 **Discussion**

h. 13.30 **Lunch**

Fruit exhibition:afternoon

- ✓ Over 90 participants
- ✓ Researchers
- ✓ Breeders
- ✓ Technicians
- ✓ Students
- ✓ Nurseries



2014: A Summer to forget!!



Other initiatives: survey among peach breeders

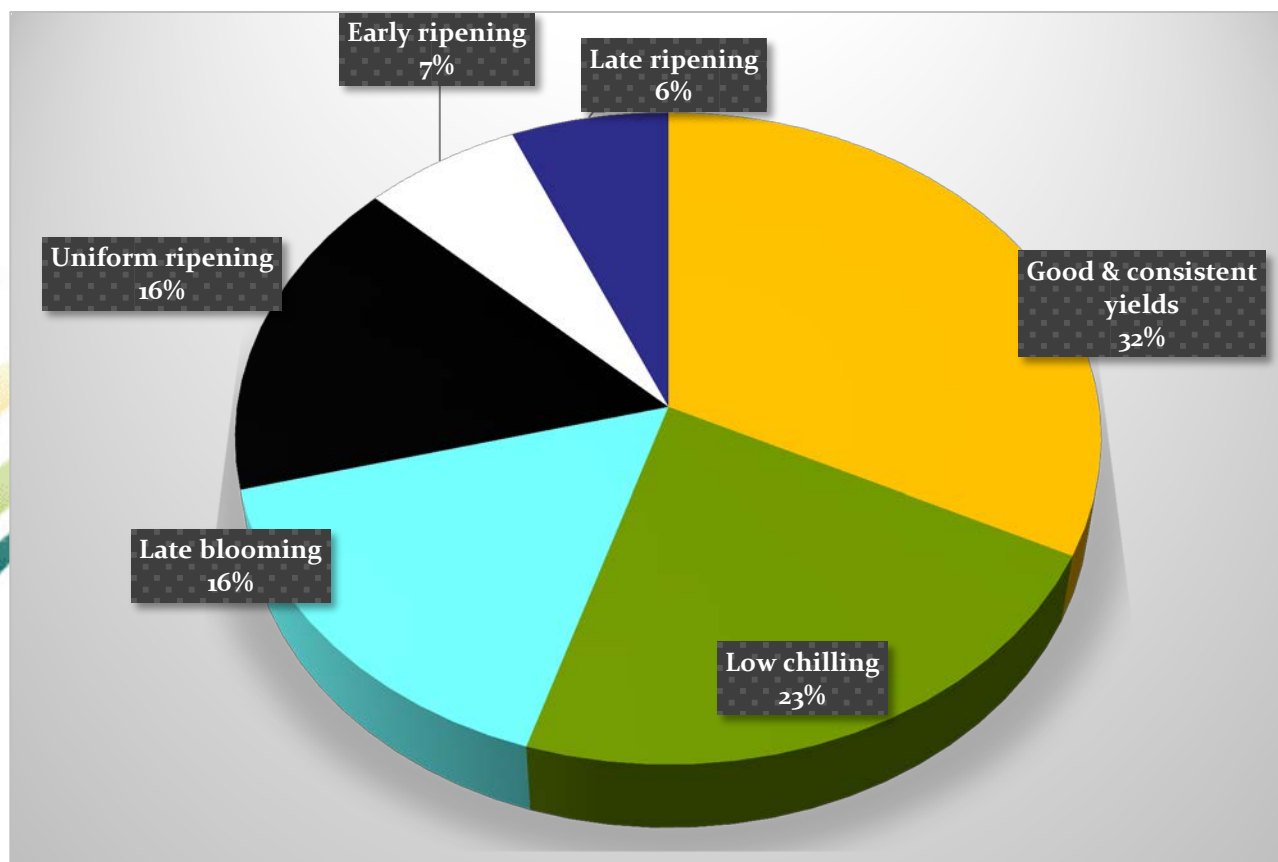


- ✓ A questionnaire with 7 simple questions aimed to know
 1. current & priority goals
 2. future (next 20 years) challenges for peach breeding

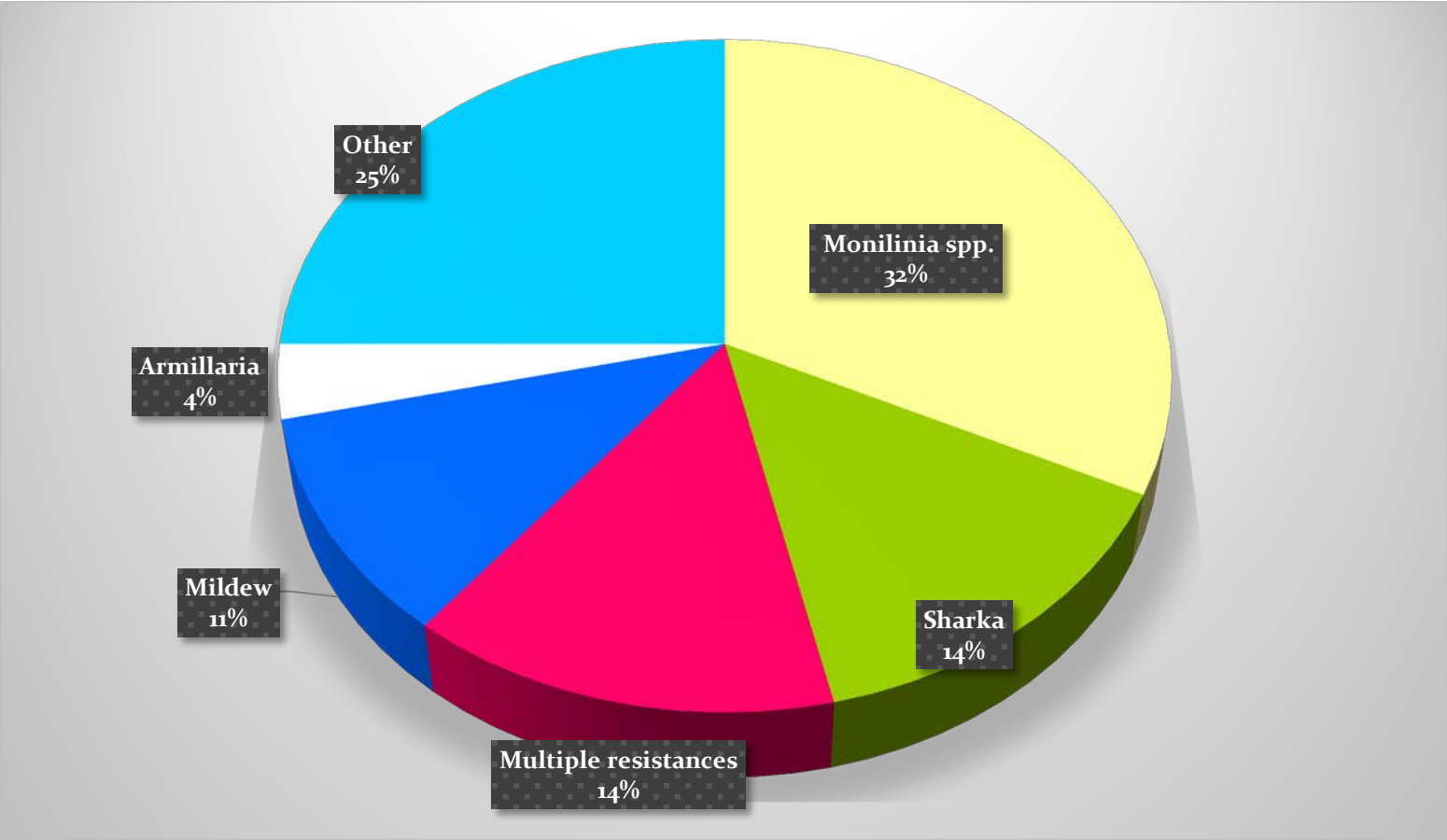
- ✓ 22 breeders answered
 - ✓ EU
 - ✓ USA
 - ✓ South America
 - ✓ Cina
 - ✓ Australia

Liverani, Giovannini, Bassi & Foschi, *activity in progress*

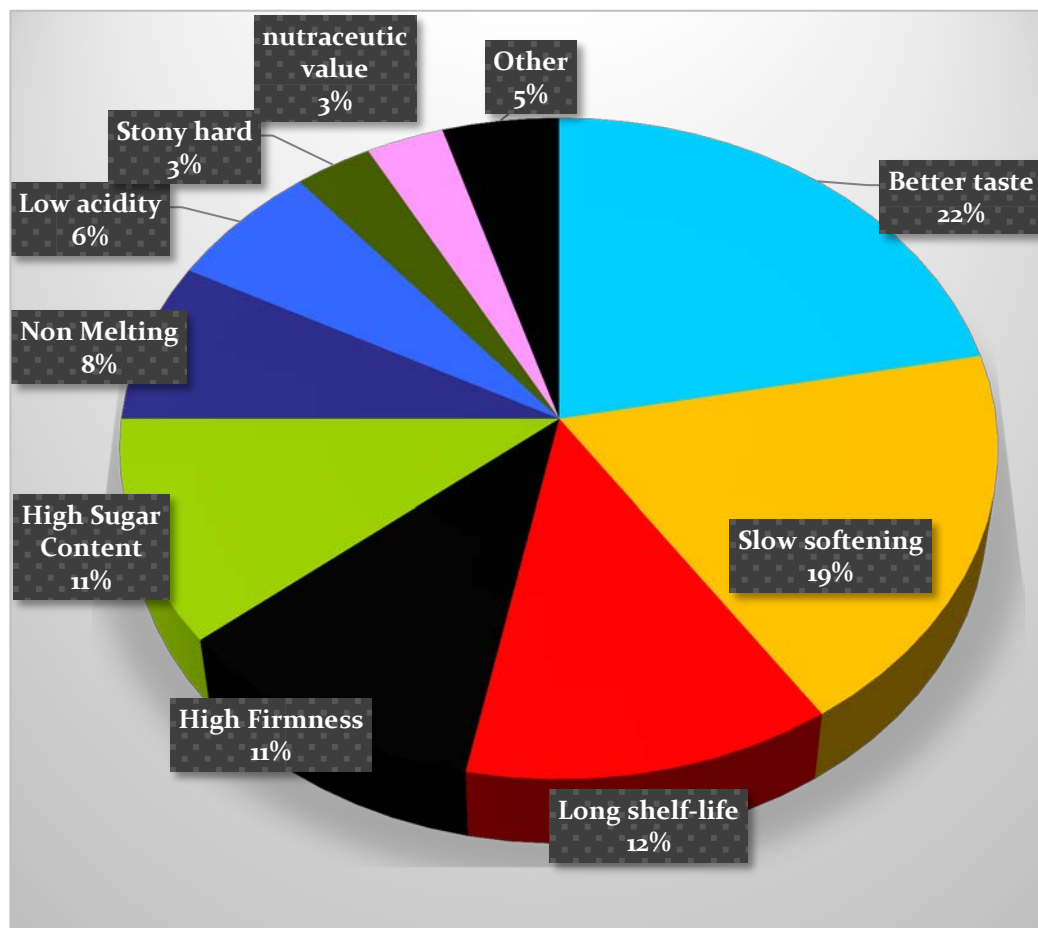
Adaptability/Phenology: top goals



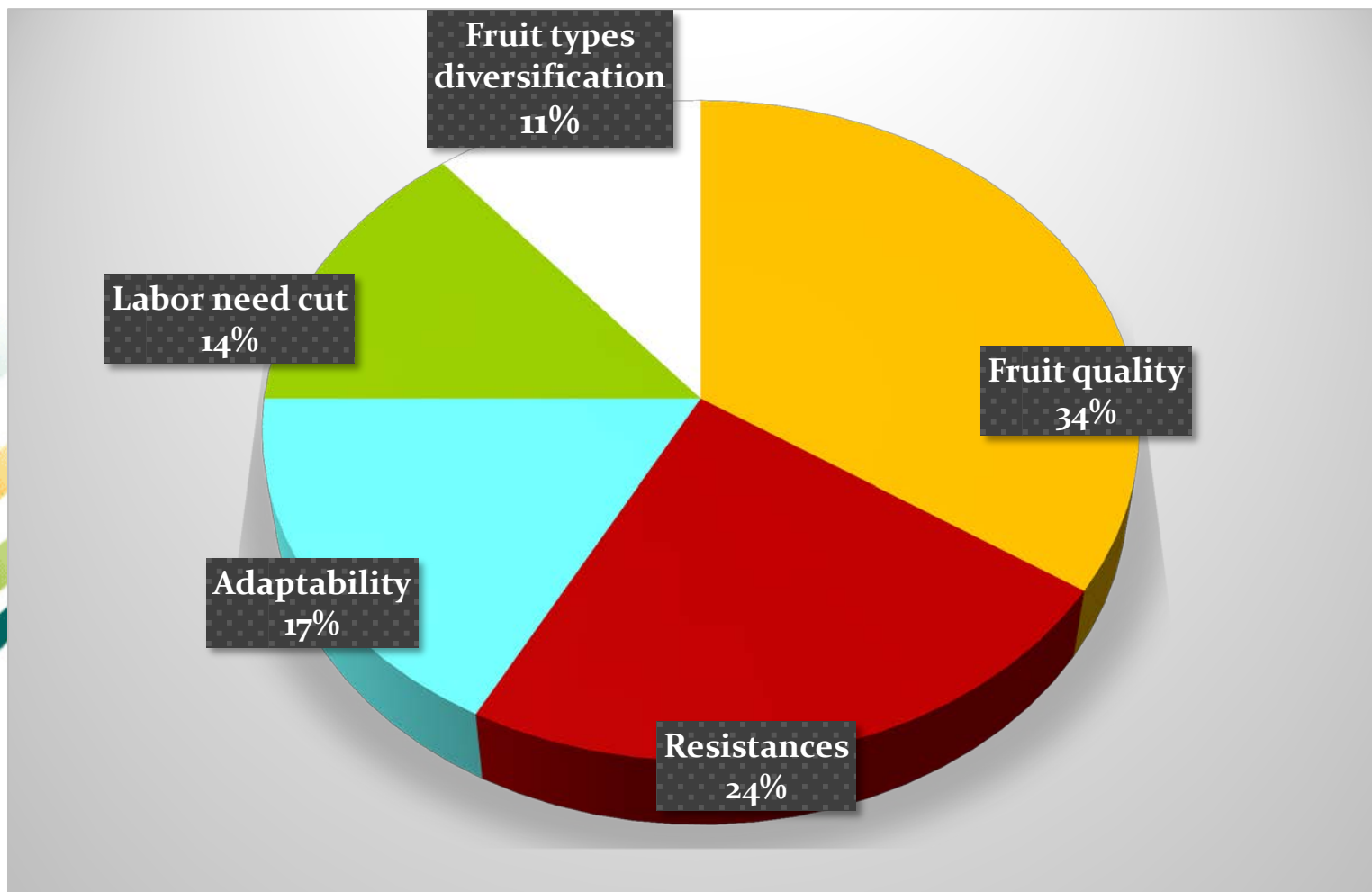
Resistances to biotic agents: top goals



Fruit quality: top goals



Future challenges for peach according to breeders





Plan and carry out joint activities

✓ **June:** A survey among EUFRIN Peach variety testers in order to know who had historical series of **evaluation data coupled with meteorological data** for future common activities aimed to study genotype x environment interaction

✓ Establishment a common and shared set of descriptors for variety testing purposes

International events

XIV Eucarpia Symposium on Fruit Breeding and Genetics, Bologna 14-18 June 2015



The XVI International Symposium on Apricot Breeding and Culture, Shenyang City, June 29 – July 3, 2015

III Balkan Symposium on Fruit Growing, Beograd 16-18 September 2015





Thanks for your attention

European Standard-Testing-Agreement for Fruit Plant Material

- 2001 – 2007: Phase of development
- March 2007: Final approval - Template shall be used obligatory since then 3 documents available:
 - Final EUFRIN Testing Agreement
 - EUFRIN-Institutes Agreement
 - EUFRIN-Agreement Explanations
- 2007 - ??? Phase of dissemination

Principles of EUFRIN Testing Agreement (EXTRACT)

- evaluation of horticultural merits of new varieties
- transmission of testing results and information
 - after defined rules for confidence and publication
 - (testing institute never shall endanger any PVR-application at any country)
- information exchange possible within the EUFRIN-network
 - separate frame contract

Espression of Interest

Department for fruitgrowing, viticulture, horticulture and landscape architecture, Novi Sad, **Serbia**, vognjanov@polj.uns.ac.rs:
>150 peach varieties (1991-1998); today, small number of cvs.; meteorological data.

Ctifl, Technical institute for fruits and vegetables, Centre de Balandran, Bellegarde, **France**, ruesch@ctifl.fr
Numerous peach cvs., precise info to be provided

IVIA, Instituto Valenciano de Investigaciones Agrarias, Valencia, **Spain**, badenes_mlu@gva.es
>150 peach varieties, at least 3 years of evaluation; evaluation in progress; meteorological data.

HAO, Hellenic Agricultural Organization 'Demeter', Naoussa, **Greece**, drogoudi@otenet.gr
>110 peach varieties (1967-1989); >80 (1990-1995); also current cvs.; meteorological data.

INRA GAFI, Domaine St Maurice, Monfavet, **France**, henri.duval@avigno
>110 peach varieties (1967-1989); >80 (1990-1995); also current cvs.; meteorological data.

DE.Me.Tra., Department , Palermo, **Italy**, Tiziano.caruso@unipa.it

National Agriculture and Food Center Research Institute of Plant Production, Piestany, **Slovak Rep.**, benedikova@vurv.sk,
120 peach varieties , most local; meteorological data.

List goals and prioritise 5 most important

Top 5 current goals

