

# Pre (orange) HLB

PreHLB internal meeting  
Catania, 6<sup>th</sup>-8<sup>th</sup> July 2022

## Wednesday 6<sup>th</sup>

### 8:30 am – 11:00 am, Session I (room G)

8:30 - Registration of participants

9:00 - *Opening of the PreHLB internal meeting*, Alessandra Gentile (UNICT) and Con-  
cetta Licciardello (CREA-OFA)

9:05 - *Citrus Huanglongbing. Why this disease is a serious concern for worldwide  
citriculture*, Juliano Ayres (Fundecitrus)

9:50 - *Interest and opportunities to keep working on HLB in Europe*, Leandro Peña  
(CSIC-IBMCP)

10:00 - *Trioza erytraeae endosymbionts and their use in early detection of Candidatus  
Liberibacters (CLs), tracking recent invasions of the insect vector and their potential  
use as biocontrol agents*, Francesco Di Serio (CNR)

10:30 - *Alerta Fitosanitario: the Brazilian CHMAs to mitigate HLB spread and dam-  
ages*, Marcelo Miranda and Silvio Lopes (Fundecitrus)

### 11:00 am – 11:30 am, Coffee break

### 11:30 am -13:30 am, parallel round tables

#### Room G

11:30 - *T. erytraeae endosymbionts vs. early detection of CLs. Improving tools for ac-  
curate detection* (CNR, Valgenetics, CSIC, Fundecitrus, UAIG)

12:30 - *Tracking T. erytrae in Africa and the Iberian Peninsula* (CNR, CSIC-ICA, IPB, Fundecitrus, CIRAD)

### **Room H**

11:30 - *PRA tools and CHMAs in Europe considering both T. erytrae and D. citri invasions* (Fundecitrus, IVIA, UCatania, AVA, Agroambient, Ualg)

### **1:30 pm – 3:00 pm, Lunch**

### **3:00 pm - 6:30 pm, Session II (room G)**

3:00 - *Trioza erytrae biology and management in the Iberian Peninsula*, Alberto Fereres (CSIC-ICA)

3:30 - *HLB resistant rootstocks and interstocks: present and future possibilities*, Raphael Morillon (CIRAD)

4:00 - *Diaphorina citri in Israel*, Alberto Fereres (CSIC-ICA)

### **4:20 pm – 6:20 pm, parallel round tables**

### **Room G**

4:20 - *Biological and cultural control of T. erytrae and D. citri* (CSIC-ICA, Koppert, IPB, Fundecitrus, UAlg, UDurham)

### **Room H**

4:20 - *Biotechnological strategies aiming to control HLB* (CSIC, CIRAD, UCatania, CREA, UDurham, UGirona, Fundecitrus)

## **Thursday 7<sup>th</sup>**

### **9:00 am – 11:00 am, Session III (room G)**

9:00 - *How communicating HLB risks?*, Juliano Ayres (Fundecitrus)

9:30 - *Identification of genetic resistance to CLAs and breeding opportunities*, Nelson Wulff (Fundecitrus)

10:00- *Searching of genes for resistance to CLAs*, Patrick Ollitrault (CIRAD)

### **10:30 am – 11:30 am, Coffee break**

### **11:30 am - 13:30 am, Parallel round tables**

## **Room G**

11:30 - *Communicating HLB to European citrus sectors and our societies, Citizen science* (Fundecitrus, AVA, Agroambient, IVIA, UCatania)

## **Room H**

11:30 - Genomes, omics and breeding (CIRAD, UPV, CREA, Fundecitrus, CSIC, UVA)

## **1:30 pm – 14:30, Lunch**

## **2:30 pm - 5:30 pm, Session IV (room G)**

2:30 - *PreHLB pending deliverables and remaining meetings*, Victoria Gea & Juanjo Candel (ZABALA)

2:50 - *Conclusions for “PreHLB2” EU proposal:*

- *Citizen science* (Bárbara Carreras, AVA-ASAJA)
- *Insect vector control* (A. Fereres, CSIC-ICA; M. Miranda, Fundecitrus)
- *PRA tools and CHMAs* (A. Vicent, IVIA)
- *Resistant Aurantioideae as rootstocks* (R. Morillon, CIRAD)
- *Biotechnological strategies* (A. Gentile, UNICT; L. Peña, CSIC-IBMCP)
- *Citrus genomics and other omics* (P. Ollitrault, CIRAD)

4:00 - *General discussion, new coordinator and management team*

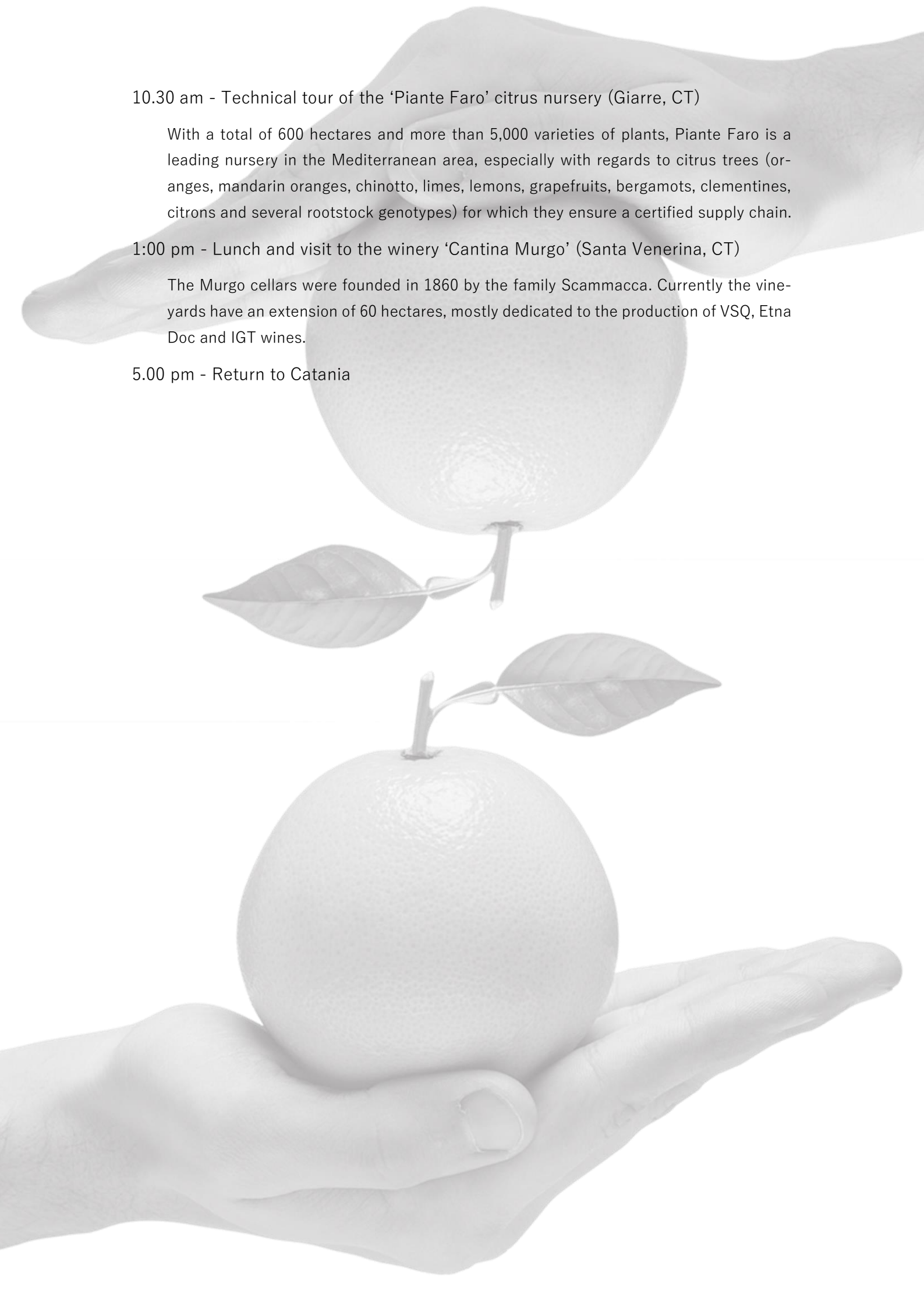
## **8:00 pm - Social Dinner in Catania**

## **Friday 8<sup>th</sup> – Technical tour**

8.30 am - Leaving from Catania hotels by bus

9.00 am - Technical tour of the CREA lab and the Citrus germplasm collection (Acireale, CT)

The Council for Agricultural Research and Economics (CREA) was established in 2015 from the merging of CRA (Council for Agricultural Research) and INEA (National Institute of Agricultural Economics) and is the leading Italian research organization dedicated to the agri-food supply chains. The research center of Acireale (CREA-OFA) deals with fruit tree species with particular emphasis on citrus and olive. CREA-OFA carries out research activities for the improvement of the supply chains, developing technologies for genetic improvement, genomics, propagation, sustainability of production and the quality of fruits and derivatives, including the valorization of by-products. It also ensures the conservation, characterization and enhancement of fruit, citrus and olive collections.



10.30 am - Technical tour of the 'Piante Faro' citrus nursery (Giarre, CT)

With a total of 600 hectares and more than 5,000 varieties of plants, Piante Faro is a leading nursery in the Mediterranean area, especially with regards to citrus trees (oranges, mandarin oranges, chinotto, limes, lemons, grapefruits, bergamots, clementines, citrons and several rootstock genotypes) for which they ensure a certified supply chain.

1:00 pm - Lunch and visit to the winery 'Cantina Murgo' (Santa Venerina, CT)

The Murgo cellars were founded in 1860 by the family Scammacca. Currently the vineyards have an extension of 60 hectares, mostly dedicated to the production of VSQ, Etna Doc and IGT wines.

5.00 pm - Return to Catania