



FRUITCREWS ANNUAL MEETING

Seville April 9th and 10th 2024

Tuesday April 9th

8.00-8.30 Welcome and registration

8.30-8.40 Short introduction

8.40-9.20 *Keynote 1: Do we have enough sensing capacity to meet current challenges in irrigation? (Enrique Fernandez, CSIC)*

9.20-10.0 Working Group 1

9.20-10.00 Review on Tree behavior under different water conditions (Melissa Venturi)

- Melissa Venturi: APPLE
- Andrea Giovannini: PEACH
- Jaime Sebastian: GRAPEVINE
- Pasquale Losciale: KIWIFRUIT

10.00-10.15 Dataset collection (Pasquale Losciale)

10.15-10.30 Results about survey on remote sensing for water status and management (Joaquim Bellvert)

10.30-10.45 FruitCREWS Dissemination and Communication

10.45-11.15 Coffee break

11.15-12.50 Working Group 2

11:15-11:25 Introduction to WG2 Models (Kathy Steppe)

11:25-12:30 Inspiring talks + Q&A on (mechanistic) models and their potential for integration into irrigation tools and DSS, with the following speakers:

- José M. Torres-Ruiz: Plant hydraulics at the heart of crop function.
- Rafael Dreux M. Fernandes: Classification of leaf turgor daily curves.
- Dario Constantinescu: Virtual fruit model.
- Or Sperling: Carbohydrate models.
- Gilles Vercambre: QualiTree.
- Alon Ben Gal: ANSWER to drought and salinity modelling.

12:30-12:50 Interactive discussion to define the next WG2 steps, including the COST training school on 'plant sensors and modelling' in Gent, Belgium (27-29 May)

12:50-13:30 Interactive discussion on research priorities WG1 and WG2 (Konni Biegert, Kathy Steppe)

12.50 -13.30 WG1 + WG2 ongoing/future activities and research priorities



13.30-14.30 Lunch

14.30-16.00 Working Group 3

16.00-16.30 Coffee break

16.30-19.30 Field trip to experimental orchard La Hampa

19.40-20.45 Guided visit downtown Seville

21.00-... Social dinner at Restaurant Robles Placentines

Wednesday April 10th

8.30-9.10 *Keynote 2: developing ad-hoc new sensors for implementation in DSSs (how agronomist and engineers can complement each other) (Lorenzo Peppi, UNIBO)*

9.10-10.35 Working group 4

09.10-09.30 Dirk De Pauw: Technical aspects and challenges of incorporating models into decision support systems

09:30-09:40 Alon Ben-Gal: Summary and lessons from collection of existing decision support systems for irrigation of fruit trees

09:40-10:00 Maria M. Borrego-Marín: Factors that influence farmers' decisions

10:00-10:10 Alon Ben-Gal: Farmer survey to quantify drivers and barriers to DSS adoption

10:10-10:35 Alexandra Boini: Discussion / priorities for DG-Agri and moving forward

10.35- 10.50 STSMs and grants update

10.50-11.20 coffee break

11.20-12.00 *Keynote 3 (online): Opportunities for the Research & Innovation within Horizon Europe (Luis Sanchez, DG Agri)*

12.00-12.45 Summary of FruitCREWS ongoing/future activities and research priorities (Diego S. Intrigliolo)

12.45-13.30 Conclusions and end of the meeting