



# SNAP - Sustainable Management and Control of Agro-Production Systems

NORTE-01-0145-FEDER-000085



## Workshop Final | June 23, 2023

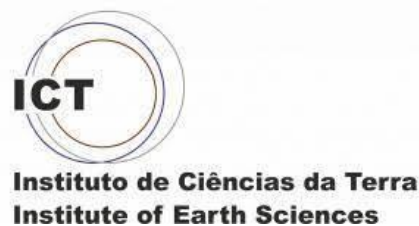
Venue: Campus de Vairão - Edifício de Ciências Agrárias  
Rua da Agrária 747, Vairão - Vila do Conde

Registration free but mandatory: <https://shorturl.at/pstK0>



SNAP Workshop

### Organization



### Project funded by





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SNAP Workshop

**08:30** Participant reception and registration

**09:00** Opening Session

## Session 1: Decision Support Technologies in Agri-Food Production (Moderator: Sílvio Gama)

**09:15** *Tracking Vortices and Circulations using Advected Passive Particles*

**Gil Marques**, Marco M. Afonso, Sílvio Gama | FCUP/CMUP

**09:30** *Mathematical Modeling of Management Planning in a Vertical Plant Factory*

**Jorge Ferreira**, Sílvio Gama | FCUP/CMUP

**09:45** *Energy Efficient Automatic Remote Control of Grow Lights in Indoor Precision Agriculture*

Oussama Hadj Abdelkader, **Hadjer Bouzebiba**, Danilo Pena, A. Pedro Aguiar | FEUP/SYSTEC

**10:00** *A Mechanistic Competition Model of Kiwifruit Bacterial Canker Disease Dynamics*

**Oussama Hadj-Abdelkader**, Hadjer Bouzebiba, Danilo Pena, Miguel G. Santos, Parinaz B. Dehaghani, A. Pedro Aguiar, Susana M. P. Carvalho | FEUP/SYSTEC

**10:15** *Use of Spectrometry in Vegetation Studies: Application to Kiwi and Catharanthus Plants*

Teodoro AC, Santos MG, Lourenço MC, Santos D, **Cátia Rodrigues**, Carvalho SMP | FCUP/ICT & GreenUPorto

**10:30** Session 1 Debate

**10:50** Coffee Break

## Session 2: Vertical Horticulture: From Production to Consumer (Moderator: Susana Carvalho)

**11:15** *Microgreens in Plant Factories: Effects of Light Spectrum on Productivity and Quality*

Machado J, Neto B, Santos AC, Barberio A, Silva M, Ferreira I, **Susana M.P. Carvalho** | FCUP/GreenUPorto & FFUP/Requimte

**11:30** *Role of UV Radiation in Stimulating the Production of Anti-Cancer Compounds in Catharanthus roseus*

**Marisa C. Lourenço**, Garrido A, Fernandes TR, Freitas V, Heuvelink E, Carvalho SMP | FCUP/GreenUPorto & Requimte

**11:45** *Impact of Technology Disclosure on Consumer Perception of Horticultural Products:*

*"Plant Factories" vs. "Vertical Horticulture"*

Silva MR, Carvalho SMP, **Luís M. Cunha** | FCUP/GreenUPorto

**12:00** Session 2 Debate

**12:20** Closing Session