

VII INTERNATIONAL CONGRESS
MOUNTAIN AND STEEP SLOPES VITICULTURE



**CONGRESS
PROGRAMME**



May 11-14 2022

11th May

6:00 – 7:30 p.m.

Port Wine Master class – “Vintage Ports through time”, presented by Manuel Lima Ferreira from the IVDP (Port and Douro Wines Institute). Given the limited number of places (50), registration must be in advance, preference being given to those registered for the congress.
Venue: UTAD's Restaurant Panoramico.

12th May

8:30 a.m. Participant registration. **Venue:** Aula Magna.

9:30 a.m. Welcome Session: Representative(s) of UTAD, CERVIM, ADVID and FCUP.

9:45 a.m. Introductory congress report by Diego Tomasi, President of CERVIM's Technical and Scientific Committee.

10:00 a.m. **Speaker:** António Magalhães and David Guimaraens (Fladgate Partnership Vinhos SA). From the Pre-Phylloxera Socalcos to the Narrow Modern Terraces. **Venue:** Aula Magna.

Chair: Diego Tomasi (CREA)

10:45 a.m. Coffee break. **Venue:** Atrio Aula Magna (change for rooms in Blocos laboratoriais Building).

11:15 a.m. **Session 1. Theme 1 – Maintaining sustainability and landscape in steep slope vineyards.**

Chair: Lia Dinis (UTAD). **Venue:** Blocos laboratoriais, Room B0.01

- Assessing the climate change vulnerability of mountain winegrowing regions in Europe. Simon Tscholl (Eurac Research);
- Economic and Environmental Balance in Viticulture: a case study in Douro Demarcated Region. José Martins (UTAD / UÉvora);
- Simulations of water flow and soil erosion under different Soil and Water Conservation (SWC) practices in traditional vineyard landscapes. Eugenio Straffelini (University of Padova);
- Identification and selection of indicators to evaluate sustainability in wine companies: A case study from a viticultural region of Portugal. Alexander Cornejo (UTAD);
- Impact of phytosanitary threats under climate change scenario in Demarcated Douro Region. Manuel Oliveira (ADVID).

11:15 a.m. **Session 2. Theme 2 – Mountain and steep slope Vineyards: agronomic practices thru new technologies.**

Chair: Nelson Machado CoLAB VINES&WINES/ADVID. **Venue:** Blocos laboratoriais, Room B0.02

- Effect of indolebutyric acid (IBA) and a bioestimulant on the rooting of *Vitis vinifera* cuttings. Eunice Bacelar (UTAD);
- Evaluation of "Crop Forcing" as a strategy to mitigate climate change in the vineyards of Douro Region. Jorge Queiroz (UP);
- Mechanical harvesting innovation in steep slope vineyards: Douro Region Case Study. Fernando Alves (Symington);
- Thermal Images to estimate vineyards water status in a temperate climate area. Marta Fernández (Universidad de Santiago de Compostela);
- Evaluation of different types of pheromone dispensers used in mating disruption against *Lobesia botrana*, under Douro Demarcated Region conditions. Cristina Carlos (ADVID).

1:00 p.m. Lunch at UTAD's Restaurant Panoramico (wine: Lavradores de Feitoria).

2:30 p.m. **Speaker:** Paolo Tarolli (University of Pádua, Italy).

Steep-Slope viticulture and climate change: Threats, Monitoring, Sustainable Management.

Venue: Room B0.01. **Chair:** Tomás Figueiredo (IPB).



12th May

3:00 p.m. Session 3. Theme 1 – Maintaining sustainability and landscape in steep slope Vineyards.

Chair: Tomás Figueiredo (IPB). **Venue:** Blocos laboratoriais, Room B0.01

- Influence of soil management on the risk of erosion and the performance of steep slope vineyard under a sub-humide climate. Javier Cancela, (Universidad de Santiago de Compostela);
- Mapping mountain viticultural areas in Europe: a GIS-based inventory. Sebastian Candiago (University of Venice/Eurac Research);
- Planning sustainability initiatives for mountain wine regions: A critical review of available assessment tools. Ana Trigo (UTAD);
- Steep slope vineyards facing tomorrow's challenges: territorial externalities, wine tourism, climate change, biodiversity, robotization, global food challenge. Joel orchard (Vitis Planet).

3:00 p.m. Session 4. Theme 2 – Mountain and steep slope Vineyards: agronomic practices through new technologies.

Chair: Raul Morais (UTAD). **Venue:** Blocos laboratoriais, Room B0.02

- Vineyard differential management zones using UAV in DO Ribeira Sacra – Spain. Javier J. Cancela (Universidad de Santiago de Compostela);
- Kaolin application effects in Touriga-Franca leaf physiology, photoprotection responses and berry ripening under a changing climate. Sara Bernardo (UTAD);
- Taking the lab to the vine: increasing value through real-time autonomous control of grape ripening in labor-intensive vineyards. Natacha Fontes (Sogrape Vinhos S.A.);
- Steep-Slope Viticulture and Climate Change: Threats, Monitoring, Sustainable Management. Eugenio Straffelini (University of Padova);
- How to promote a sustainable weed management strategy in steep slopes vineyards? Cristina Carlos (ADVID).

4:15 p.m. Poster presentation session, Theme 1 – Critical comments by Jorge Queiroz (FCUP).

Venue: Blocos laboratoriais, Room B0.01

4:15 p.m. Poster presentation session Theme 2, 3, 4 – Critical comments by Artur Cristóvão (UTAD).

Venue: Blocos laboratoriais, Room B0.02.

5:30 p.m. Coffee break. **Venue:** Blocos laboratoriais.

5:45 p.m. Speaker: Olivier Viret – Switzerland. **Sustainability and quality of wines in heroic viticulture.** (video-conference). **Venue:** Room B0.01

Chair: Vicente Seixas (UTAD)

6:15 p.m. Session 5. Theme 1- Maintaining sustainability and landscape in steep slope vineyards.

Chair: Anabela Carneiro (FCUP). **Venue:** Blocos laboratoriais, Room B0.01

- Two different terraced protected areas: to which extent are biodiversity and soil functionality influenced by agronomic management? Sauro Simoni (CREA-DC);
- The (Missing) 'Edge': Reviewing the terraces geometry in the Douro Region towards sustainable viticulture. Fernando Alves (Symington);
- Assessment of the ecotoxicological effects of copper for terrestrial organisms in different vineyard soils. Beatriz Fernandez (CIIMAR);
- Electrical resistivity tomography for soil moisture estimation in terraced vineyards: A case study in the Douro Region, Portugal. Aitor Tomillo (Universidade da Coruña).



12th May

6:15 p.m. **Session 6. Theme 3- Quality factors for wines.**

Chair: Fernanda Cosme (UTAD). **Venue:** Blocos laboratoriais, Room B0.02

- Effect of mountain viticulture conditions on cv blanco lexítimo aroma potential in ribeira sacra aoc. Maria Vilanova (CSIC);
- Harvest time and withering length: combined effect on the phenolic composition of Nebbiolo grapes destined to the production of Valtellina Sfursat DOCG wine. Giulia Scalzini (University of Torino);
- The vulnerability of vineyard soils to Copper contamination: how soil properties affects its mobility and toxicity to aquatic organisms. Beatriz Fernandez (CIIMAR);
- Applying empiric models to study the grape total soluble solids dynamics. António Ramos (IPCB).

8:30 p.m. Gala Dinner - Hotel-Restaurante "Quinta do Paço" (Wine: Ramos Pinto and Port Wine: Fladgate Partnership Vinhos SA)

13th May

8:30 a.m. **Session 7. Theme 1 - Maintaining sustainability and landscape in steep slope vineyards.**

Chair: Aureliano Malheiro (UTAD). **Venue:** Room B0.01

- Shoot removal applied just before bloom for vegetative productive adjustment: agronomic and qualitative effects on cv. Verdejo in the D.O. Rueda (Spain). Jesus Yuste (ITACYL);
- Brda/Collio terraces - a millennial heroic heritage of landscape. Denis Rusjan (University of Ljubljana);
- A zoning approach to study a viticulture district in a small island of Mediterranean basin. Damiano Muru (University of Sassari);
- Vineyard Observatory in the Douro Demarcated Region for a more Sustainable Steep Slope Viticulture. Ricardo Rodrigues (ADVID).

8:30 a.m. **Session 8. Theme 4 - Mountain and steep slope vineyards: people, history, economics and culture.** **Chair:** Timothy Koehnen (UTAD). **Venue:** Room B0.02

- Estimation of Total Factor Productivity in the presence of spatial dependence and transient and persistent inefficiency: Evidence from Portuguese wineries. Samuel Faria (UTAD);
- Route de vignoble alpins. Alpine viticulture and value. Anna Pioletti (University Valle d'Aosta);
- The "Ruta del vino de Gran Canaria". Fabio Zottele (Fondazione Edmund Mach);
- Viticulture in the Douro Demarcated Region: a systematic literature review to promote a sustainable future. Catarina Cepêda (UTAD);
- Economic profitability of steep slope cultivating wines estates compared to flat terrain wines estates. Larissa Strub (Hochschule Geisenheim University).

9:45 a.m. **Speaker:** Sam Schrock – France. **Winegrower surveys in terroir studies: Utilizing empirical knowledge of grape growers to link soil type and microclimate with wine style and adapted vineyard practices.** **Venue:** Room B0.02. **Chair:** Vicente Seixas (UTAD).

10:20 a.m. Presentation of Viticulture in Andorra. Josep M. Casals Alis. Director of Agriculture, Government of Andorra. **Venue:** Room B0.02. **Chair:** Vicente Seixas (UTAD).

10:40 a.m. Coffee break. **Venue:** Blocos laboratoriais

11:00 a.m. Technical session - Technological solutions for mountain viticulture: demonstration of machines and equipment. **Venue:** Quinta de Prados, Vila Real - (GPS: 41°17'13"N 7°44'12"W).

1.00 p.m. Lunch at UTAD's Restaurant Panoramico (wine: Quinta do Vallado).



13th May

2.40 p.m. Presentation of Viticulture in Cyprus. **Venue:** Aula Magna.
Chair: Jorge Queiroz (FCUP)

3.00 p.m. Preliminary outcomes of MOVING (H2020 project), discussion on how mountain wine value chains can impact environment and communities: Presented by Cristina Micheloni and Ekaterina Kleshcheva (Vinidea). **Venue:** Aula Magna. **Chair:** Jorge Queiroz (FCUP)

3:30 p.m. **Round Table – Socio-economic and environmental sustainability of mountain viticulture: a prospective approach.** **Venue:** Aula Magna. **With:**

- Eduardo Rosa, Vice-Rector of UTAD (University of Trás-os-Montes Alto Douro);
- Luigi Moio, President of OIV (International Organization of Vine and Wine) by Video-conference;
- Roberto Gaudio, representing CERVIM (Centre for Research, Environmental Sustainability and Advancement of Mountain Viticulture);
- Gilberto Igrejas, President of IVDP (Port and Douro Wines Institute);
- António Filipe, President of AEVP (Association of Port Wine Companies);
- José Manso, President of ADVID (Vine and Wine Cluster);
- Rui Soares, representing CD/FRD (Winegrowers Association of the Douro Demarcated Region);
- Carlos Carvalho, representing CIM-Douro (Douro Municipalities Association).

Moderator: Celeste Pereira.

17:30 p.m. Formal Closing Session: With representatives of UTAD, CERVIM, ADVID, FCUP, and Eng. Carla Alves from DRAPN (Regional Director of Agriculture and Fisheries of the Northern Region), **Venue:** Aula Magna.

6:30 – 8:30 p.m. Visit to the Mateus Palace, its gardens and wine cellar, culminating with wine tasting. **Venue:** Mateus Palace.

8:30 p.m. Dinner: free choice at participants' cost.

14th May

Technical visit to the Douro/Field Trip

8:30 a.m. Departure. (Next to the campus UTAD entrance gate, Rua Prof. Fernando Real).

9:00 a.m. Technical visit to Douro wine estates. Participants will be divided into two groups, each visiting two of the following estates: Quinta Bomfim, Quinta de Ventozelo, Quinta do Seixo, and Quinta das Carvalhas. The thematic focus will be 'Challenges and innovations to mitigate climate change and labour shortages'. Discussions will be followed by a wine tasting.

1:30 p.m. Boat trip on the Douro River with lunch. An opportunity for networking and enjoying more of the Douro's landscape and heritage.

4:00 p.m. Visit to the Douro Museum – the history of the Douro's wine, culture and heritage.

6:00 p.m. Return to Vila Real.

●●● Social Programme

The congress provides a social programme specifically for people accompanying the participants and duly registered:

12th May

10:00 a.m. Departure to Visit to the Douro wine village of Salzedas. (Next to the campus UTAD entrance gate, Rua Prof. Fernando Real).

12:00 a.m. Lunch and visit to Lamego (architectural and religious heritage).

6:00 p.m. Arrival at Vila Real

8:30 p.m. Guests may join congress participants for the Gala Dinner at the Hotel-Restaurant “Quinta do Paço”.

13th May

12:00 a.m. Lunch at UTAD's Restaurant Panorâmico;

13:00 p.m. Visit to the S. Leonardo da Galafura viewpoint, with its spectacular views of the Douro Valley, Favaios (whose museum celebrates local moscatel wine and bread production).

6:00 p.m. Guests may join congress participants at the Mateus Palace.

14th May

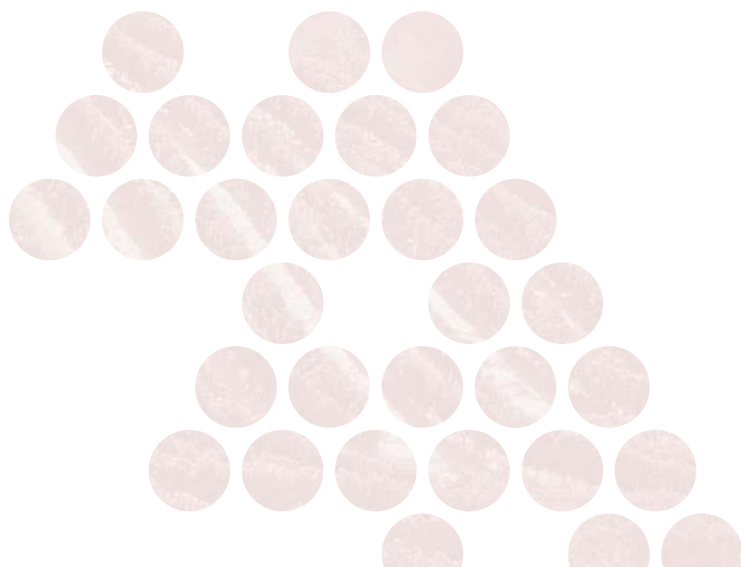
Guests may join congress participants on their “Technical visit to the Douro/Field Trip”.

●●● Exhibition

Images of the Douro on picture postcards

- Curated by Olinda Santana (UTAD).

Venue: Foyer (Átrio) of the Blocos Laboratoriais Building.





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ORGANIZATION



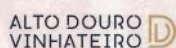
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