CLIMED-FRUIT

Adaptation to climate change and mitigation for perennial crops in Mediterranean Area

HORIZON-CL6-2021-GOVERNANCE-01-23 _ CSA
PROJECT 101060474

Oct.2022 – Sept.2025

Deliverable 3.1 - List of 12 winners of the Open contest

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Participant responsible	VIN
Main authors	Francesca Walmsley

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Summary

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More information on the project can be found at project website.

Project summary

CLIMED-FRUIT aims to share knowledge ready for practice, collected from different Operational Groups (OG) across Europe, for a better adaptation to climate change and mitigation, in perennial crops in the Mediterranean Area (grape vine, olive, fruits). The project builds on the results of a core group of 9 OG coordinated by a multi-actor consortium members (advisors, farmer organisations, research and education institutes, standardisation organisation), covering several Mediterranean crops in 7 different countries (France, Spain, Portugal, Greece, Italy, Croatia, Serbia). Best practices collected and shared range from (i) soil conservation and carbon storage, (ii) improving resilience of crops facing climatic hazards (frost, hail), (iii) innovative practices for adapting water stress management, (iv) adaption of food chain processes to climate change and diversification, and (v) preserving biodiversity for a better resilience to climate change issues and pests. These groups will share their experience through a combination of innovative digital formats, cross-visits and interactive local dissemination events. In addition, new knowledge and practices will be gathered more widely by organising an open contest. Participants from other European projects, other EIP OGs or even international projects from the Mediterranean area will be invited to propose abstracts. The most applicable solutions will be selected and pitched in a broad online conference. Participants will be invited to rank the best presentations according to cost/benefit ratio, which will then be widely disseminated and shared. Social media channels, videos, podcasts, crowd writing contests will be used to spread the knowledge. Specific editorial partnerships will be established with most popular technical reviews. The network will host a forum to capitalise on existing OG experiences and aims to foster new OGs to spread and explore new practical knowledge in relation to adaptation to climate change.

Objective and executive summary

Deliverable 3.1 is the product of the activities done in task 3.1 whose text is here entirely reported:

Task 3.1. Organisation of an open contest for selecting material outside OG core group to be further disseminated

(Task Leader: VIN, Participants: all partners) According to the method described in D1.2, an open contest will be organised online in M20 by VIN, with the contribution of all partners. This event will enable to collect and select new knowledge ready for practice from 40 initiatives outside the consortium, and to share experiences with an important number of participants (3,000 participants expected). The 40 pitches from the competitors will be broadcasted on the project's YouTube channel (Milestone 5, M15). As a result of the contest, the 12 practices that arouse the biggest interest will win a grant to prepare a digital story. A list of the 12 winners will be produced and disseminated (D3.1). The open contest will be interpreted into English, French, Spanish and Italian and Portuguese. An online survey will be proposed to OGs participating or assisting to contest, to gather feed-back on their consideration of the most urgent needs, recommendations regarding their specific OG experience, and suggestions for future improvement of

the instrument. These elements will be used for a specific workshop with policy makers and lead to a policy brief (in Task 4.6)

1. Rationale

During the live web conference Open Contest event (see program annex 1) held on March 12-13, 2024, participants' presentations were scored using the Menti platform. To extend the reach and impact of the conference, video recordings of the sessions (in English) were uploaded to the Climed-Fruit YouTube channel on March 22, 2024, in a dedicated playlist (available here). This allowed a broader audience to access and benefit from the shared knowledge and experiences.

The post-conference activities included a comprehensive selection process to determine which presentations would be further utilized in dissemination activities. This process involved multiple criteria: the number of views and likes on YouTube, and feedback collected through the Menti voting system during the live event. The voting period for these evaluations lasted until April 12, 2024.

Speakers received a thank you email to thank them for the Contribution to the 'Climate Change Resilience Practices for Mediterranean Perennial Crops' Web Conference and acknowledged their participation and contributions.

2. Ranking of the web conference Open Contest event presentations

After thorough evaluation, the presentations were ranked based on an equal weighting of YouTube views, likes, and Menti scores from the live conference. This ensured a fair and balanced selection process. The top 12 presentations were then identified for further dissemination activities.

The selected speakers were informed about their ranking and invited to participate in further dissemination activities. They were asked to confirm their willingness to produce a Digital Story, an Extended Practice Abstract (EPA), and a Cost-Benefit Analysis (CBA) by October 2024 (linked to the practice they presented during the web conference). Templates and guidelines for these materials will be provided, along with a mentoring workshop for the CBA. Additionally, funding equivalent to €5,000 in services will be offered for the creation of these materials, subject to the presentation of an invoice from the service provider.

3. List of final 12 winners of the Open Contest

The following is the list of the top 12 presentations, whose speakers confirmed their participation:

Number	OG	Represented by
1	**Innovative biostimulant and biofertilizer formulations of natural origin allocated for use in conventional and organic agriculture**	Mulet Salort José Miguel - Instituto de Biología Molecular y Celular de Plantas (IBMCP), Universitat Politècnica de València-Consejo Superior de

		Investigaciones Científicas, Valencia, Spain
2	**Integrated management of olive anthracnose disease**	Tsitsigiannis Dimitrios - Agricultural University of Athens, Greece
3	**The use of a self-reseeding cover crop under the rows: an agroecological solution to reduce tillage and herbicide use in vineyards**	Tramacere Lorenzo Gabriele - University of Pisa, Italy
4	**Kaolin effect on vine development and wine quality in Mediterranean vineyards**	Martinez Juan - Center of Research in Desertification (CIDE) and Bodegas Enguera, Spain
5	**Kuhl's pipistrelle bat and its relation to the European grape vine moth Lobesia Botrana**	Martinez Juan - Cavanilles Institute of Biodiversity and Biology of the University of Valencia, Bodegas Enguera, AVA-ASAJA, Spain
6	**The new threat to Mediterranean viticulture: the grape leafhopper (Jacobiascalybica and Empoasca Vitis)**	Martinez Juan - Institute Cavanilles of Biodiversity and Biology of University of Valencia, Bodegas Enguera, Association of Organic Farming of Valencia Community (SAEM), Spain
7	**Effect of different soil and vegetation management of vineyards on arthropod diversity and physiological characteristics of the vine**	Maia Gabriela - Departamento de Agronomia, Universidade de Trás-os-Montes e Alto Douro, 5000-801 Vila Real, Portugal
8	**Tillage and frost in the vineyard: how can we anticipate practices to avoid increasing risks?**	Delanoue Guillaume - Institut Français de la Vigne et du Vin, France
9	**Shading net – a multifunctional tool to counteract the environmental adversities in vineyard**	Cola Gabriele - Università degli Studi di Milano, Italy
10	**Novel solutions for termination of winter cover crops in vineyard aimed at increasing drought resilience under Mediterranean conditions**	Poni Stefano - Department of Sustainable Crop Production, Università

		Cattolica del Sacro Cuore, Piacenza, Italy
11	**Introduction of disease-resistant/tolerant grape varieties for sustainable winemaking, enhanced occupational health and to address climate change**	Boselli Emanuele - Free University of Bozen-Bolzano, Italy
12	**Operationalizing the "eddy covariance" technique to certify carbon farming in vineyards**	Pitacco Andrea - University of Padua - DAFNAE, Italy

These presentations will be used in Climed-Fruit's dissemination activities, highlighting innovative practices and research aimed at enhancing climate change resilience in Mediterranean perennial crops.

ANNEX 1

CLIMED-FRUIT Web conference

Climate change resilience practices for Mediterranean perennial crops

Program

SESSION 1: Tuesday March 12, 2024 - 16h00/18h30 CET

Welcoming and introduction	
Exploiting plant diversity	**Introduction of disease resistant/tolerant grape varieties for sustainable winemaking, enhanced occupational health and to address climate change** BOSELLI Emanuele, Free University of Bozen-Bolzano, Italy
	Harnessing the Power of Wild Relatives and Local Germplasm to Enhance Nut Tree Resilience to Climate Change PAPACHATZIS Alex, Dep. Agricultural – Agrotechnology, Univ. of Thessaly, Greece (t.b.c.)
Soil conservation and carbon storage	**Improvement of the soil and the plant from enriched pruning remains** ROCA Luis, SOREIMA Research Group, University of Valencia, Spain
	The use of a self-reseeding cover crop under the rows: an agroecological solution to reduce tillage and herbicide use in vineyards TRAMACERE Lorenzo Gabriele, University of Pisa, Italy
	Agrocomposting: the Valencian Region Framework GARCIA-RÁNDEZ Ana, Research Group on Agrochemistry and Environment, University Miguel Hernández de Elche, Spain (t.b.c.)
	Operationalizing the "eddy covariance" technique to certify carbon farming in vineyards PITACCO Andrea, University of Padua – DAFNAE, Italy
Operational groups in practice: information and recommendations from Climed-Fruit partners	
Adapting organisations to climate change	**Upskilling wineries staff: Responding to the challenges of climate change** HERBIN Carine, Institut Français de la Vigne et du vin, France
	Adaptation of viticulture to climate change: high spatial resolution scenarios QUENOL Hervé, CNRS-UMR6554LETG, France
Preserving biodiversity	**Use of cover crops to increase the resilience of citrus to climate change** MONTESINOS Carlos, AVA-ASAJA, Spain
	Effect of different soil and vegetation management of vineyards on arthropod diversity and physiological characteristics of the vine MAIA Gabriela, Universidade de Trás-os-Montes e Alto Douro, Vila Real, Portugal
	Green infrastructure methods for enhancing biodiversity and climate adaptation. The LIFE IGIC project and the case of olive orchards KABOURAKIS Emmanouil, Department of Agriculture, Hellenic Mediterranean University (HMU), Greece
Managing climate hazards	**Shading net – a multifunctional tool to counteract the environmental adversities in vineyard** COLA Gabriele, Università degli Studi di Milano, Italy
	Tillage and frost in the vineyard: how can we anticipate practices to avoid increasing risks? DELANOUE Guillaume, Institut Français de la Vigne et du Vin, France
	Use of net shading in the vines FEILHES Carole / DUFOURCQ Thierry, Institut Français de la Vigne et du Vin, France
Closing of the first session	

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Program

SESSION 2: Wednesday March 13, 2024 - 11h00/13h30 CET

Welcoming and introduction	
Improving plant resilience	**Innovative biostimulant and biofertilizer formulations of natural origin allocated for use in conventional and organic agriculture** MULET SALORT José Miguel, IBMCP, UniversitatPolitècnica de València – CSIC, Spain
	Biostimulants to Improve the Efficiency of Fertilizer Use, as well as the Yield and Quality of the Avocado Crop BARRANCO VALANZUELA Ruth, Fertusa Marenostrum, Spain
	Kaolin effect on vine development and wine quality in mediterranean vineyards MARTINEZ Juan, Bodegas Enguera, Spain
	Zeowine: zeolite and winery waste as innovative product for wine production CATALDO Eleonora, University of Florence – DAGRI, Italy
Managing increasing disease pressure	**Insecticide nanoformulation based on azadiractin - neem oil** BENITEZ Miriam, REDOLi Research Group, University of Valencia, Spain
	Kuhl's pipistrelle bat and its relation to the European grape vine moth *Lobesia Botrana* MARTINEZ Juan, Bodegas Enguera, Spain
	Sensing technologies for the early detection of plages in citrus SANCHEZ Sheila, REDOLi Research Group, University of Valencia, Spain
	The new threat to mediterranean viticulture: the grape leafhopper (*Jacobiasca lybica* and *Empoasca Vitis*) MARTINEZ Juan, Bodegas Enguera, Spain
	Hybrid biocide against the whitefly (*Bemisia tabaci*) ESTACIO Sara, REDOLi Research Group, University of Valencia, Spain
	Integrated management of olive anthracnose disease TSITSIGIANNIS Dimitrios, Agricultural University of Athens, Greece
Operational groups in practice: Information and recommendations from Climed-Fruit partners	
Soil conservation and carbon storage	**Phytoextraction of copper from vineyards using forage plants** VIDA Patrizia, Manica, Italy
	GES&Vit: a tool for GHG emissions estimation and reduction in viticulture ADOIR Emilie, Institut Français de la Vigne et du Vin, France
Innovative practices for water stress management and dry farming	**IN+VITE: Testing the efficacy of hydrogels in preserving water for vineyards under establishment** FRIONI Tommaso, DIPROVES, Università Cattolica del Sacro Cuore, Piacenza, Italy
	Novel solutions for termination of winter cover crops in vineyard aimed at increasing drought resilience under Mediterranean conditions PONI Stefano, DIPROVES, Università Cattolica del Sacro Cuore, Piacenza, Italy
Closing of the second session	

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