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 D5.9_Final OG proceedings

Start date of the project	01/10/2022
Duration of project	36 months
Deliverable n° & name	D5.9 : Final OG proceedings
Version	1
Work package n°	5
Due date of Deliverable	30/06/25
Date of first publication	04/07/25
Date of second publication	30/09/25
Participant responsible	IFV
Main authors	Naouel Admane, Clara Gérardin

Nature of the deliverable		
R	Document, report (excluding the periodic and final reports	x
DEM	Demonstrator, pilot, prototype, plan designs,	
DEC	Websites, patents filing, press & media actions, videos, etc.	
OTHER	Software, technical diagram, etc.	

Dissemination Level		
PU	Public, fully open, e.g., web	x
SEN	Sensitive, limited under the conditions of the Grant Agreement	
CO	Confidential, restricted under conditions set our in Model Grant Agreement	
CI	Classified, information as referred to in Commission Decision 2001/844/EC	

	Quality procedure			
Date of delivery	Version	Date of review	Reviewers	Comments
04/07/25	V1	04/07/25	Fanny Prezman	
30/09/25	V2	29/09/25	Naouel Admane	

Acknowledgement

This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No. 101060474 (CLIMED-FRUIT). This output reflects only the author's view, and the European Union cannot be held responsible for any use that may be made of the information contained therein.

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

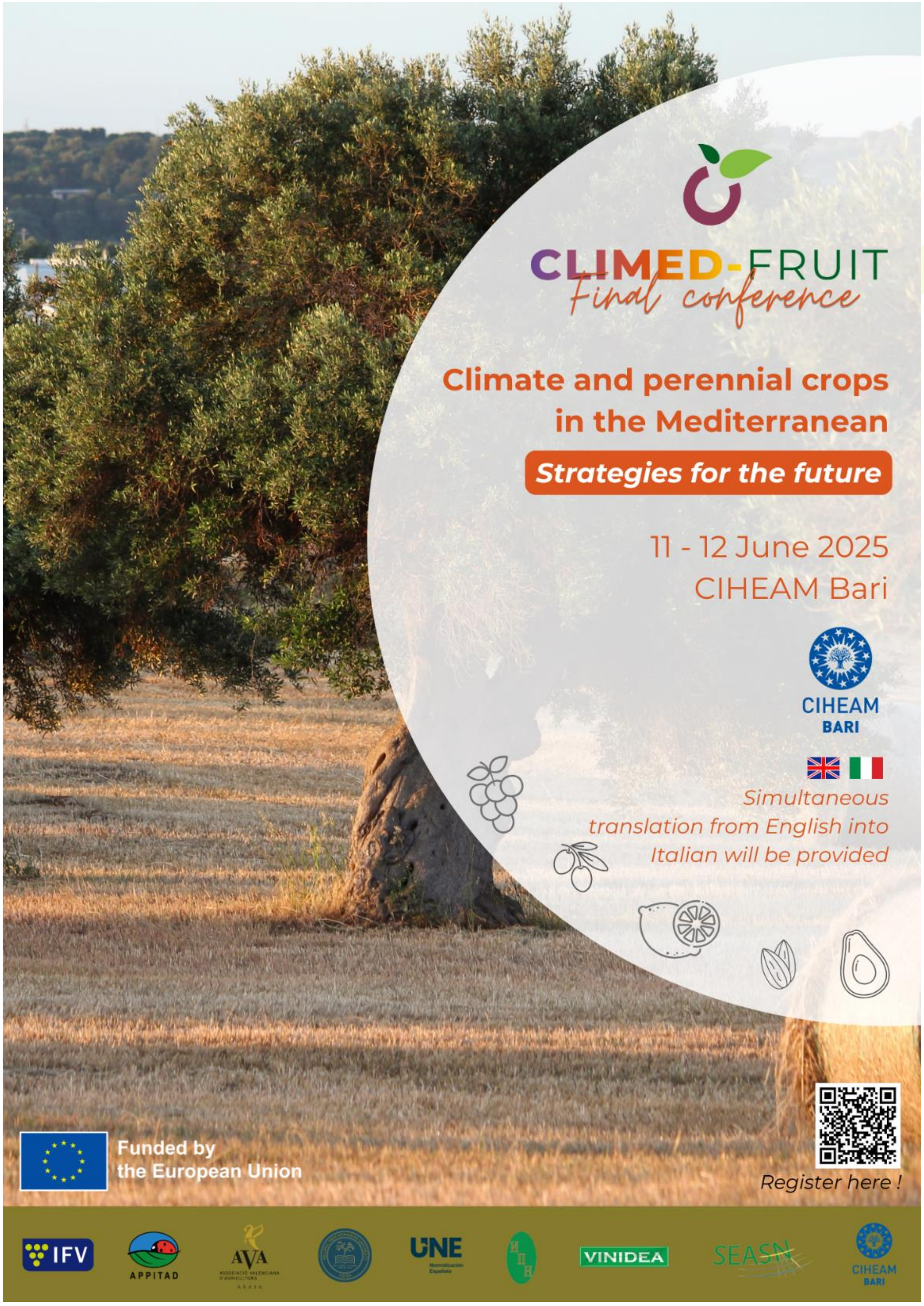
Deliverable 5.9 is the product of the activities done in task 5.7, whose text is here entirely reported:

Task 5.7 Organisation of final OG forum (Task Leader: IFV, Participants: all partners): *A final forum (hybrid: on-line and presential) will be organized by IFV and will showcase the results and achievements of CLIMED-FRUIT. Different OGs and projects from outside the consortium will be invited. The conference will be filmed, streamed and reviewable on the project's YouTube channel in order to maximize outreach. The documents and presentations will also be shared on the project's website (D5.7).*

Table des matières

Agenda

The agenda was designed to include a half-day conference, with sessions selected based on the five subtopics around which the project is structured, to disseminate selected project results and knowledge. The conference also offered a hybrid format with a live online broadcast to reach a wider audience. This was complemented by a half-day field visit, allowing participants to directly observe and discuss one of the technologies selected within the project on-site.



CLIMED-FRUIT *Final conference*

Climate and perennial crops in the Mediterranean - Strategies for the future

Programme

Conference: Wednesday, June 11, 2025 - 2:30 p.m. to 5:30 p.m. (CEST)

Hybrid event: In presence and online

2 p.m. - 2:30 p.m. Registration	
Opening and welcome address Director of CIHEAM Bari Clara GERARDIN, Eiros HUGO, CLIMED Fruit project coordinators, French Wine and Vine Institute (IFV), France Oronzo Antonio MILILLO, President of the Regional Federation of Chartered Agronomists and Chartered Foresters, Puglia	
Keynote speaker Riccardo VELASCO, Director of the Research Centre in Viticulture and Enology (CREA-VE), Italy	
SESSION 1 **Managing soil and biodiversity to improve system's resilience** Moderator: **Eirios HUGO**	**Mulching in the vine and citrus rows: impact on moisture conservation and weed control** Carlos MONTESINOS, Asociación Valenciana de Agricultores (AVA-ASAJA), Spain Fanny PREZMAN , French Wine and Vine Institute (IFV), France
	The use of a self-reseeding cover crop in the vine rows: an agroecological solution to reduce tillage and herbicide use in vineyards Lorenzo Gabriele TRAMACERE, University of Pisa, Italy
	Green infrastructure and cover crops application in olive orchards for biodiversity, soil health and climate resilience Ermelinda PEREIRA, APPITAD, Portugal
	Soil and vegetation management effects on vine physiology and arthropod diversity Gabriela MAIA, Universidade de Trás-os-Montes e Alto Douro, Vila Real, Portugal
SESSION 2 **Optimising irrigation to limit water consumption** Moderator: **Naouel ADMANE**	**Advantages of subsurface irrigation and fertigation for sustainable water management in irrigated vineyards** Clara GERARDIN, French Wine and Vine Institute (IFV), France
	Designing a variable-rate drip system based on hydrological properties of plots Gianni TRIOLI, VINIDEA, Italy
Coffee break	
SESSION 3 **Mitigating climatic hazards and pests' pressure** Moderator: **Fanny PREZMAN**	**Winegrowing improvement via symbiosis with smart agrivoltaics** David MIGNANELLI, PowerfulTree, Spain
	Emerging Pests in Mediterranean Vineyards: Managing the grape leafhopper (*Jacobiasca lybica & Empoasca vitis*) Juan MARTINEZ, Bodegas Enguera, Spain
	***Xylella fastidiosa* in Apulia: Current threat status & prevention strategies** Donato BOSCIA , CNR - IPSP (Institute for Sustainable Plant Protection), Italy
Climed-Fruit's recommendations for future Operational Groups implementation Climed-Fruit consortium	

Funded by the European Union

CLIMED-FRUIT Final conference

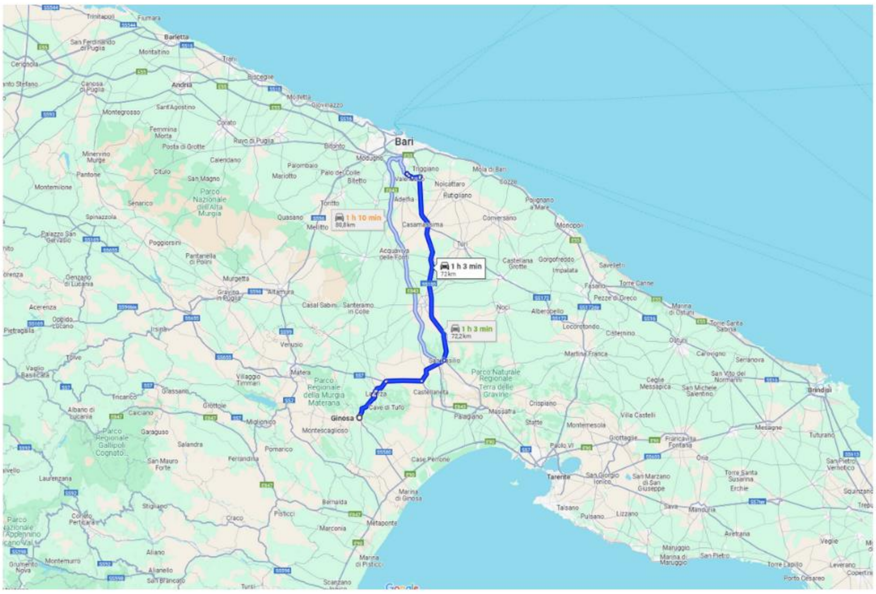
Climate and perennial crops in the Mediterranean - Strategies for the future

Programme

Field visit: Thursday, June 12, 2025 - 9:00 a.m. to 1:00 p.m. (CEST)

Departure from CIHEAM Bari by bus at 9:00 a.m.

The field visit will take place at Giovanni Ranaldo's farm, located in Ginosa Marina, Taranto Province, Southern Italy.
The organic table vineyard is equipped with interconnected sensors at both soil and crop levels, which communicate with the Decision Support System (DSS) aimed at enhancing organic table grape production and quality by optimising the use of natural and human resources for more sustainable organic farming. This system is designed to improve irrigation management for organic table grapevine according to the specific needs of each variety. It is adapted to the Mediterranean climate and considers the various management aspects of different crop varieties.
The benefits for users include efficient water resource management, reduced working hours for agricultural holders, and a significant increase in yield and fruit quality.



Funded by the European Union

Event organisation and overview

Originally scheduled to be hosted by IFV France, the final event of the Climed-Fruit project was instead organised by CIHEAM Bari. This decision reflected the international and strategic nature of **CIHEAM Bari, a centre of excellence in agricultural research and training, with a diverse student and expert community from Mediterranean and African countries**. Organising the event at CIHEAM Bari provided an ideal platform to amplify the impact of the project's results. As a hub for regional cooperation and knowledge sharing, CIHEAM Bari played a crucial role in ensuring that the innovative, field-tested solutions collected from various Operational Groups (OG) across Europe to improve climate change adaptation and mitigation in perennial crops in the Mediterranean. As a result, the conference enabled to expand dissemination of the results throughout Mediterranean countries and beyond (presence of international students). This broader reach is essential to fostering sustainable agriculture, strengthening local fruit production systems, and encouraging the adoption of climate-resilient practices across diverse agroecological contexts.

The event was promoted one month in advance using a registration form adapted for international participants in English and Italian for national participants. The final event was organised over two days. The Climed-Fruit Final Conference, titled "*Climate and Perennial Crops in the Mediterranean – Strategies for the Future*," took place on the 11th of June 2025 at CIHEAM Bari. The conference, divided into several thematic sessions, focused on key topics such as managing soil and biodiversity to enhance agroecological resilience, optimising irrigation to improve water use efficiency, and implementing strategies and tools to mitigate climate risks and pest pressures, all aimed at ensuring resilient agricultural production.

The KPI for the final event, which was aimed for at least 100 attendees, was reached with **68 in-person participants and 43 online participants**. Among the in-person attendees, there were 23 advisors from the agronomist charters of Bari and 24 students from Mediterranean and African countries. Additionally, 34 attendees participated in the field visit. Furthermore, a total of 223 registrations were received from 53 countries across five continents (19 EU countries and 34 non-EU). 62 % of the registrations were from EU countries, 28% were from non-EU countries, and were from various stakeholder groups: academics, students, advisors, farmers, and policy makers (Fig. 1.).

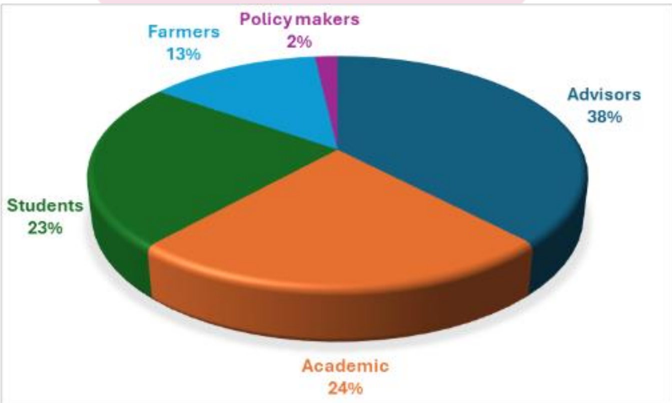


Fig. 1. Total registrations by stakeholder's category (n=223)

To maximise the conference outreach, the 223 registered participants have received an email with the YouTube link to the conference recording, along with links to the presentations on the project's website.

On the second day, participants also had a technical field visit to Giovanni Ranaldo's farm, an innovative organic table grape farm located in Ginosa, Taranto province. During this visit, attendees had the opportunity to explore real-time monitoring techniques using soil and plant sensors and to learn about a Decision Support System (DSS) designed to optimise resource use while enhancing fruit quality in organic farming.

Photos

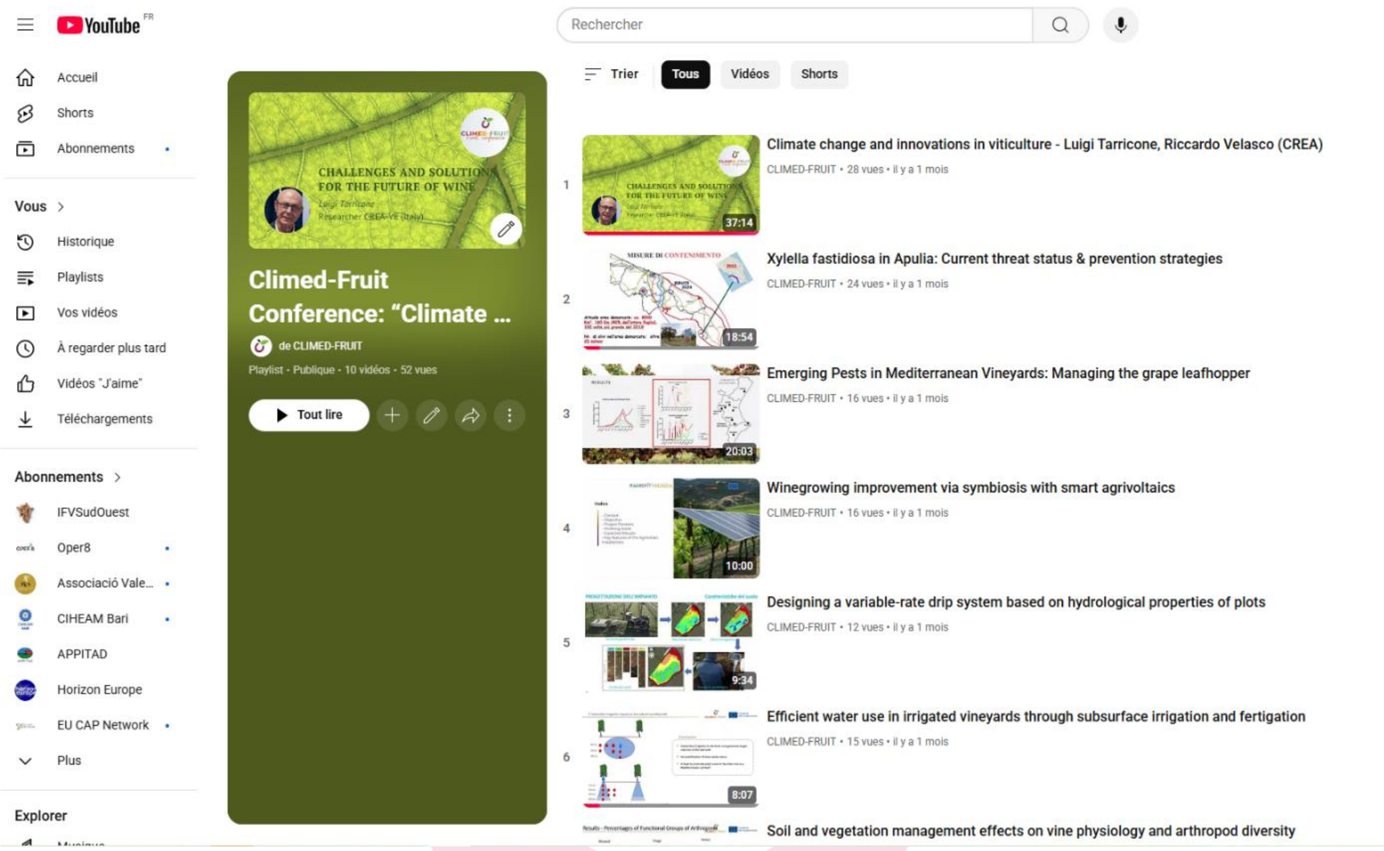
Day 1 – Conference

Day 2 – Field visit

Presentations of the conference

The complete set of presentations delivered during the conference is available in English on the project's YouTube channel and can be accessed through the following link:

https://www.youtube.com/playlist?list=PLqU_4ysqg2Qn2x5XWSgB0jOO0SkrClaCS



The recordings were broadcast a month ago and have accumulated 160 views to date.