

<https://carbonostrum.eu>

## THE PROJECT

We're thrilled to share with you the latest updates on CarboNostrum, a groundbreaking initiative funded by Erasmus +. Climate change poses significant challenges to agriculture in the Mediterranean region, making it more important than ever to implement sustainable and climate-smart farming practices. With participation from organizations spanning five Mediterranean nations - Portugal, Spain, Greece, Italy, and Turkey - our partnership is dedicated to empowering small-scale farmers and emerging agricultural producers with the necessary resources and expertise to enact climate change mitigation and adaptation strategies.

The CarboNostrum project offers a detailed Handbook on climate-smart agricultural practices for the Mediterranean: a collection of Case Studies highlighting some of the best real-life examples of effective farming techniques tailored to the region's unique challenges, and an immersive blended course on climate-smart farming methodologies and environmental stewardship. These resources provide practical benefits such as improved resilience to climate change, enhanced sustainability, and increased productivity. All nicely packed in our **CarboNostrum HUB!**

## THE PILOTING

From October 18th until the end of March, the CarboNostrum pilot took place, with 33 participants from our partner countries eagerly immersing themselves in a comprehensive exploration of climate-smart farming practices through the CarboNostrum blended learning course. They diligently engaged with all 6 modules, demonstrating a strong commitment to enhancing their knowledge and skills in climate-smart agricultural practices. Over the course of the modules, participants actively took part in online discussions, interactive exercises and practical assignments, ensuring a comprehensive understanding of the course material. Their involvement and valuable feedback will be instrumental in refining and improving the course content, ensuring its effectiveness in empowering farmers to address the challenges of climate change in the Mediterranean region.



Module 5 of the CarboNostrum blended course marked an exciting milestone with a week-long face-to-face event held in Thessaloniki, Greece. This experience brought together participants from across the Mediterranean region and allowed for in-depth discussions focusing on the practical application of climate-smart practices and strategies to enhance environmental stewardship. The event fostered collaboration, knowledge sharing, and networking among participants, further strengthening the CarboNostrum community's commitment to sustainable agriculture and climate resilience.

## OUR HUB:

You may find all our resources in the **CarboNostrum HUB**. Explore our **Case Studies**, **Handbook**, and immersive blended learning **Course**.

## CASE STUDIES

Our collection of case studies offers a firsthand look into the world of Climate-Smart Agriculture, showcasing real-life examples of successful farming practices across the Mediterranean region. These case studies not only highlight the benefits and challenges faced by farmers but also serve as inspiring examples for newcomers looking to adopt sustainable methods. We're excited to announce that all 11 case study films are now available on the CarboNostrum Project YouTube page! Additionally, we've compiled these case studies into an eBook, providing an in-depth exploration of each grower's unique story and cultivation system.



## CARBONOSTRUM HANDBOOK:

A comprehensive guide that delves into the intricate relationship between agriculture, climate change, and desertification in the Mediterranean. Focused on Climate-Smart Agriculture, this handbook offers practical strategies for enhancing productivity and resilience and reducing greenhouse gas emissions. From farming practices to policy frameworks and monitoring tools like GIS, this resource equips farmers and land managers with the knowledge needed to navigate the challenges of climate change.

## BLENDED LEARNING COURSE:

Designed specifically for smallholder farmers and emerging agricultural producers in the Mediterranean, this immersive course combines digital resources with hands-on experiences to provide learners with essential tools for climate change adaptation. With a focus on sustainable agricultural practices and soil management strategies, participants will gain practical skills and theoretical knowledge to tackle the challenges of climate change. Comprising six modules with a total duration of 150 hours, the course aims to empower learners to contribute to a more sustainable future for the Mediterranean agriculture. We are currently improving the CarboNostrum blended course following the enriching feedback from pilot participants.

## NEXT STEP: MULTIPLIER EVENTS

As we move forward with the CarboNostrum project, we're happy to announce a series of engaging and informative national events aimed at sharing insights, exchanging experiences, and fostering collaboration in climate-smart farming practices. These events will be happening in each partner country and gather stakeholders, experts, and enthusiasts from across the Mediterranean region to explore innovative approaches, showcase successful case studies, and discuss the latest advancements in climate-smart agriculture.

**CARBONOSTRUM FINAL INTERNATIONAL CONFERENCE**, the first one, is happening in Portugal, on the 28th May 2024 at Cineteatro Camacho Costa (Largo Sousa Prado, 7630-138 – Odemira). **SAVE THE DATE!**



**CarboNostrum Odemira24**

FREE PARTICIPATION  
MANDATORY REGISTRATION

## FINAL INTERNATIONAL CONFERENCE PROGRAM May 28th 2024

### MORNING

9:30	Reception of participants		
10:00	Carbon Sequestration and Ecosystem Services on the Left Bank of the Guadiana	Henrique Cerqueira	UNL/FCSH
10:20	Carbon Markets   CarBio-Solo	Carlos Álvaro	UNL/FCSH
10:40	CarboNostrum – Climate-Smart Agriculture in a Changing World	Sérgio Prazeres	The USE Concept
11:00	Coffee Break		
11:30	MOSAIC – Land-use Strategies for Climate Change and Biodiversity Loss	Francesca Poggi	CICS/NOVA
11:50	Municipality of Odemira – Adaptation Strategies to Combat Climate Change	Helder Guerreiro	Município de Odemira
12:10	Debate		
12:30	Lunch		

### AFTERNOON

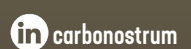
14:00	Drone Technology: Practical Application to Agriculture	Jorge Camilo	HP Drones
14:30	Geographic Information Systems: ArcGIS Online	Edgar Barreira	Esri Portugal
15:00	Coffee Break		
15:30	Controlled-Environment Agriculture and Climate Smart Agriculture	Athanasios Koukounaras	AUTH/Greece
16:00	All about Composting	Antónia Ribeiro	Mudo Tuga
16:30	Closing of the International Conference		

Stay tuned to our social media pages for future updates on the next national events!

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