


# **D6.4 – Training course / Moodle (T.6.1.)**

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## Coordinating partner



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## Introduction and Objectives

The LIFE21-IPC-ESLIFE eCOadapt50 project (hereinafter referred to as "the Project") was launched in response to the urgent need to enhance climate change adaptation across 19 territories in Catalonia. Supported by the European Commission under the LIFE programme, the Project focuses on four key economic sectors highly vulnerable to climate change: agriculture and livestock farming, forestry, fisheries, and tourism.

A core component of the Project is the implementation of Work Package 6 (WP6: Capacity Building for Climate Change Adaptation), which aims to increase awareness, knowledge, and action on climate adaptation at the local level. WP6 primarily engages key stakeholders, including public authorities and economic actors within the targeted sectors, equipping them with the necessary skills, knowledge, and tools to mitigate climate risks and enhance the resilience of their activities.

The capacity-building framework established under WP6 is guided by an in-depth needs analysis (D6.1), which identifies sector-specific knowledge gaps and training priorities. This ensures that the proposed training actions are tailored to the real needs of stakeholders, enabling them to navigate the challenges and opportunities of climate adaptation effectively.

This capacity-building strategy builds upon the experience gained from the LIFE CLINOMICS project, leveraging best practices to design and implement training activities across territories and sectors. The eCOadapt50 consortium, comprising 26 beneficiaries, brings together expertise and resources to facilitate knowledge transfer, strengthen sectoral capacities, and ensure the long-term sustainability and replicability of the Project's results.

The online course consists of a comprehensive, but basic course on the risks and impacts arising from climate change and on adaptation measures necessary in general terms and in the specific sectors. The course contains different chapters and each chapter contains a selection of materials, incl. videos, factsheets, interactive ppts (e.g. Moodle) and a multiple choice self-assessment exam at the end of each chapter. It is directed to all target groups incl. public administration officials and interested citizens. It serves the purpose of awareness raising and sets the base for additional more detailed trainings. It has been prepared during year 1, 2 and 3 of the project and updated with additional material and information throughout the life cycle of the project. This activity is carried out by an external provider (subcontracting) and the course will be hosted in the eCOadapt50 website and in the CCB platform "Virtual Entrepreneur Campus".

This online training course - Moodle report provides an assessment of the progress made in implementing the capacity-building plan, evaluating the effectiveness of the training activities and their impact on stakeholders.

## Training Programme

### Target group

The training plan is designed for key stakeholders across four economic sectors identified as particularly vulnerable to climate change in Catalonia:

Agriculture and livestock farming

Forestry

Fisheries

Tourism

Additionally, as part of the LIFE eCOadapt50 project, members of the eCOadapt50 consortium (comprising 25 beneficiaries) are both recipients and implementers of this training programme, given their links to these sectors.

Public administration personnel are also considered a key target group due to their role in policymaking and the implementation of public policies that impact these sectors.

Given the cross-sectoral and global nature of climate change, the training plan also aims to raise awareness among the general public, promoting broader engagement in adaptation strategies.

Furthermore, two additional groups are recognised as participants and facilitators of training content:

Insurance companies: These actors play a crucial role in climate change risk management, yet their potential contribution is often overlooked. The training will enhance awareness of the insurance solutions available to mitigate unpredictable climate-related risks.

Financing decision-makers (particularly in public funding): Their involvement is essential in promoting investment in adaptation measures and ensuring that key stakeholders are aware of financial options to proactively address climate change impacts.

Beyond sectoral stakeholders, the training plan is also structured around specific territories and actors identified in the initial LIFE eCOadapt50 project framework. The following table summarises the number of actors involved per territory:

Territory	Number of actors	Committed Actors
Consell Comarcal de l'Alt Penedès	8	6
Associació ADRINOC Zona Nord-Oriental de Catalunya	56	1
Associació GALP Costa Brava	18	4
Associació Leader Ripollès-Ges-Bisaura	15	5
Consorci Leader Pirineu Occidental	35	6
Associació Leader de Ponent	61	4

Consorci Leader de Desenvolupament Rural del Camp	58	9
Consorci per al desenvolupament de la Catalunya Central	12	3
Centre en Resiliència Climàtica-Eurecat	52	6
Parcs Naturals província de Barcelona (10)	21	3

The number of engaged actors is expected to grow over the course of the project, particularly through the activation of Living Labs.

## Training Programme Objectives

The training plan under Work Package 6 (WP6: Capacity Building for Climate Change Adaptation) is designed to equip stakeholders with the knowledge, skills, and tools necessary to reduce the vulnerability of their territories and economic activities while actively contributing to climate change adaptation efforts.

The main objective of the capacity-building plan is:

To empower all sectors and stakeholders with the necessary knowledge and tools to effectively address climate change impacts and implement adaptation measures within their activities.

At a more specific level, the training plan seeks to provide meaningful, inspiring, and transferable learning experiences, both professionally and personally, through the following specific objectives:

- RAISE AWARENESS of climate change risks and impacts within the target sectors and stakeholder groups of eCOadapt50.
- DISSEMINATE KNOWLEDGE on climate adaptation strategies and solutions.
- DEVELOP SKILLS to implement economically, environmentally, and socially beneficial adaptation measures.
- FOSTER INNOVATION AND COLLABORATION in designing and implementing sustainable and effective climate adaptation actions at the territorial level.

The formulation of training objectives follows Bloom's Taxonomy, ensuring clarity, alignment with training actions, and effective evaluation of learning outcomes.

### Cross-cutting Training Objectives

- CTO.1: Understand climate change, key concepts, and associated terminology.
- CTO.2: Identify the main causes and consequences of climate change.
- CTO.3: Recognise the impacts, risks, and vulnerabilities of climate change across ecosystems, sectors, and workers.
- CTO.4: Explore key adaptation strategies.
- CTO.5: Analyse case studies and best practices to inspire local action.
- CTO.6: Acquire knowledge of financial mechanisms for climate adaptation projects and organisations.
- CTO.7: Understand the role of the insurance sector and climate-related insurance policies.

### Sector-Specific Training Objectives

- **Tourism Sector**
  - TTO.1: Assess the general context and current challenges of the tourism sector in adapting to climate change.
  - TTO.2: Transfer best practices for managing and adapting tourism activities in a changing climate.
  - TTO.3: Encourage innovation and adaptive transformation within the tourism industry.
- **Forestry Sector**
  - FTO.1: Assess the general context and current challenges of the forestry sector in adapting to climate change.
  - FTO.2: Understand climate change impacts on forest resources and ecosystem services.
  - FTO.3: Integrate forest management as a fundamental tool for climate adaptation.
- **Fisheries Sector**
  - PTO.1: Assess the general context and current challenges of the fisheries sector in adapting to climate change.
  - PTO.2: Highlight the importance of marine biodiversity conservation for fisheries adaptation.
  - PTO.3: Promote best practices in fisheries management for climate adaptation.
- **Agriculture and Livestock Sector**
  - ALO.1: Assess the general context and current challenges of the agriculture and livestock sector in adapting to climate change.
  - ALO.2: Transfer best practices for managing and adapting agricultural and livestock activities to climate change.
  - ALO.3: Encourage innovation and adaptation in agricultural and livestock models to maximise resilience.

This structured approach ensures that the training plan aligns with sectoral needs, territorial realities, and stakeholder engagement, ultimately enhancing climate resilience across eCOadapt50 territories.

## Online training course - Moodle Proposal Action Plan and Current Status Analysis

### Online training course - Moodle Proposal Action Plan

The Action Plan from November 2024, establishes the different types of activities that will be carried out within the WP6 “Capacity Building for Climate Change Adaptation” and their formats. As stated in the document the different training formats will be the following: e-learning modules (transversal and sectorial), webinars (sectorial, transversal and public administration), workshops (sectorial and public administration) and, Toolkit of best practices.

In this regard, this deliverable focuses on the progress and current state analysis of the e-learning module, either for the transversal chapters and for the sectorial.

According to the Proposal Action Plan the e-learning modules were foreseen as the following:

Training Actions 2024-2029							
Link to the Moodle course: <a href="#">eCOadapt50: Adaptació Local per al Canvi Climàtic   Cursos online   CEV - Eucampusbcn</a>							
Total Number	Type of Action	Format	Duration	Frequency	Action Code	Number	Target Group
1	E-learning Module Online training course - Moodle	Online async	5h	Continuous	M1	1	All stakeholders and target groups of the Life eCOadapt50 project
4	E-learning Sectorial Capsule Module Online training course - Moodle	Online async	30 minutes	Continuous	Mt	1	Stakeholders in the tourism sector
					Mf	1	Stakeholders in the forestry sector
					Mp	1	Stakeholders in the fisheries sector
					Ma	1	Stakeholders in the agricultural and livestock sector

### Current Status Analysis

The e-learning modules have been structured in different chapters and sectorial capsules:

- Chapter 1: The science of climate change
- Chapter 2: Impacts of climate change in Catalonia
- Chapter 3: Risks and vulnerabilities to climate change



- Chapter 4: Mitigation and adaptation to climate change
- Chapter 5: Adaptation strategies
- Chapter 6: Adaptation to climate change in Catalonia
- Sectorial capsule for Tourism: Challenges in adapting to climate change in the tourism sector
- Sectorial capsule for Forestry: Challenges in adapting to climate change in the forestry sector
- Sectorial capsule for Fishery: Challenges in adapting to climate change in the fishing sector
- Sectorial capsule for Agriculture and Livestock: Challenges in adapting to climate change in the agricultural and livestock sector

The current status of the development of the different e-modules and sectorial capsules is as follows:

Training Actions 2024-2029							
Type of Action	Format	Duration	Frequency	Action Code	Number	Target Group	Status
E-learning Module	Online async	5h	Continuous	M1	1	All stakeholders and target groups of the Life eCOadapt50 project	Delivered
E-learning Sectorial Capsule Module	Online async	30 minutes	Continuous	Mt	1	Stakeholders in the tourism sector	Delivered
				Mf	1	Stakeholders in the forestry sector	Delivered
				Mp	1	Stakeholders in the fisheries sector	Delivered
				Ma	1	Stakeholders in the agricultural and livestock sector	Delivered

## Conclusions

The online training course hosted on the virtual platform has demonstrated outstanding quality, surpassing initial expectations. The consortium has shown great interest in the platform; however, the extensive revisions required have resulted in delays to the final product.

The BCC team has invested significant effort in this project, with our partners, particularly UGT, CCOO, OCCC Gencat, and DIBA, dedicating substantial time to reviewing and providing valuable corrections. The number of revisions has exceeded initial projections, leading to delays in the submission timelines for individual chapters.

Regarding the course's hosting platform, the Chamber's virtual campus is currently undergoing a major structural overhaul due to internal decisions beyond the control of the European Projects Office. While the older version is being used to upload completed chapters, a transition to the new version will be necessary. This migration will require additional administrative and logistical work. However, despite these external challenges, the new platform is expected to be significantly more user-friendly, ultimately enhancing both the project's outcomes and its overall impact.

Although the public launch of the course has been delayed, we do not consider this a critical issue. The project's overall effectiveness remains unaffected, and the final quality of the course will far exceed initial expectations, fully aligning with the core objectives of LifeCOadapt50.