



# FARCLIMATE

## DELIVERABLE D4.2 Training Online Platform

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## List of acronyms

|         |                        |
|---------|------------------------|
| HORIZON | Horizon Europe         |
| NbS     | Nature-based solutions |
| LCA     | Life Cycle Assessment  |
| PBL     | Problem-Based Learning |
| EU      | European Union         |

The acronyms of the participating partners are set in the table 2 - List of Participants.

## Project information

Project full title: Moving ForwARd to achieving CLIMATE-resilient and sustainable European regional economic systems - FARCLIMATE

Acronym: FARCLIMATE

Call: HORIZON-MISS-2022-CLIMA-01

Topic: HORIZON-MISS-2022-CLIMA-01-04 - Transformation of regional economic systems for climate resilience and sustainability

Start date: 1st October 2023

Duration: 48 months

List of participants:

| Partner No. | Organization Name                                                                       | Acronym  |
|-------------|-----------------------------------------------------------------------------------------|----------|
| 1 (Coord.)  | UNIVERSIDAD DE VIGO                                                                     | UVIGO    |
| 2           | CONTACTICA S.L.                                                                         | CTA      |
| 3           | INTERNATIONAL UNION FOR CONSERVATION OF NATURE                                          | UICN     |
| 4           | C4G - CONSULTING AND TRAINING NETWORK, LDA                                              | C4G      |
| 5           | INVIALE LIFE CYCLE THINKING S.L.                                                        | INV      |
| 6           | MUNICIPIO DO FUNDAO                                                                     | FUNDAO   |
| 7           | GREEN GROWTH GENERATION                                                                 | GGG      |
| 8           | UNIVERSITE DE LIEGE                                                                     | ULIEGE   |
| 9           | FUNDACION CENTRO DE SERVICIOS Y PROMOCION FORESTAL Y DE SU INDUSTRIA DE CASTILLA Y LEON | CESEFOR  |
| 10          | UNIVERSIDADE NOVA DE LISBOA                                                             | UNL      |
| 11          | FUNDACIÓN PARA LA PESCA Y MARISQUEO FUNDAMAR                                            | FUNDAMAR |
| 12          | European Network of Living Labs                                                         | ENOLL    |
| 13          | Centre for Research and Technology                                                      | CERTH    |
| 14          | Laurea University of Applied sciences                                                   | LAUREA   |

## Deliverable details

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Document Number:    | D4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Document Title:     | Training Online Platform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dissemination level | PU – Public                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Period:             | PR2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| WP:                 | WP4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Task:               | T4.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Author:             | Tiago Nascimento, Hugo Romão, Beatriz Nascimento (C4G)                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Abstract:           | These deliverable documents the development and launch of the <b>FARCLIMATE</b> Online Training Platform, an open-access website that hosts short educational videos on climate resilience. Designed and managed by C4G under WP4, the platform enables users to explore content by sector, it features embedded videos, sectoral navigation, and a view tracking. The platform supports the dissemination of outputs from WP2, WP3, and WP4, promoting informal learning and public engagement across Europe. |

| Version      | Date       | Description     |
|--------------|------------|-----------------|
| Draft_V0.1   | 23/05/2025 | First draft     |
| Version_V1.0 | 30/05/2025 | Initial version |
|              |            |                 |
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## 1 Executive summary

Deliverable D4.2 documents the development and implementation of the **FARCLIMATE** Online Training Platform, a key output of Work Package 4 (WP4) within the **FARCLIMATE** project.

Designed and managed by C4G – Consulting and Training Network, Lda, the platform offers a public-facing, open-access digital environment that hosts short, curated educational videos on climate resilience. Its primary objective is to translate complex scientific insights and adaptation strategies into accessible audiovisual content, promoting informal learning and raising public awareness across Europe.

The platform emphasises simplicity, responsiveness, and usability. Built on the Umbraco CMS, it supports intuitive navigation by sector and thematic area. Each video is embedded directly on the platform and enriched with metadata including title, duration, sector, and real-time view counters.

C4G led all phases of the platform's development, including CMS configuration, partner coordination, editorial oversight, and technical validation. Its modular architecture supports the seamless integration of new content, while the sector-based layout ensures pedagogical consistency and ease of use.

The platform serves as a dissemination tool for outputs from WP2 (regional assessments) and WP3 (methodological approaches), and as a central resource for community learning activities under Work Packages, such as WP7, among others. Positive feedback from the pilot and launch phases confirmed its effectiveness for awareness-raising, training, and replication purposes.

Deliverable D4.2 is thus a significant milestone in achieving the **FARCLIMATE** project's overarching mission: empowering climate-resilient, informed, and engaged communities across Europe through accessible and scalable educational tools.

## 2 Introduction

### 2.1 Context of the Deliverable within WP4

Deliverable D4.2 – Online Training Platform is part of Work Package 4 (WP4) of the **FARCLIMATE** project, which focuses on transversal training and community empowerment to enhance climate resilience.

These deliverable documents the implementation of the project's official online training portal, which serves as the primary digital interface for making audiovisual training materials publicly accessible.

The platform is intended to function as a lightweight, user-friendly video library that allows visitors to explore content intuitively by sector and topic. Through this platform, **FARCLIMATE** facilitates broad dissemination of the educational content produced under WP4, contributing to outreach, awareness-raising, and informal learning.

This deliverable is directly connected to the operationalisation of content developed in Deliverable D4.1 and will support dissemination and replication activities under Work Packages, such as WP7, among others.

### 2.2 Objectives of the Online Training Platform

The objectives of the platform are clear and action-oriented:

1. To host and organize educational videos produced by consortium partners as part of the **FARCLIMATE** training programme.
2. To enable intuitive exploration by sector, topic, or theme (e.g., Forestry, Fisheries, Life Cycle Assessment (LCA), Biodiversity).
3. To monitor video visibility using basic analytics, including view counts per video.
4. To provide a visually engaging, multilingual-ready environment accessible on both desktop and mobile devices.
5. To support dissemination and training efforts under WP6 and WP7 by serving as a central, stable reference point for public engagement and community learning activities.

### 2.3 Interlinkages with WPs 2, 3 and 7

The online training platform is grounded in content and concepts developed under several key work packages:

1. WP2 provided the selection of regional case studies, needs assessments, and vulnerability mapping that informed the selection of video topics.
2. WP3 contributed methodological insights on adaptation strategies, which are visually communicated through the training materials.

3. WP7 will leverage the platform in community events and Living Labs, using the content as a foundation for discussion, awareness-raising, and participatory learning.

As such, the platform acts as a bridge between research and application, ensuring that scientific outputs are translated into accessible and actionable knowledge.

## 2.4 Alignment with the FARCLIMATE Project Goals

The platform directly supports the overarching objective of the FARCLIMATE project, strengthening climate resilience across Europe through the following contributions:

1. Open access to key educational content.
2. A user-centred design that facilitates informal and self-directed learning.
3. Scalable dissemination of materials beyond the project's duration, ensuring a lasting digital legacy.
4. Community empowerment by enabling local stakeholders to access and reuse training content for awareness-raising and capacity-building initiatives.

## 3 Implementation methodology

### 3.1 Coordination and Role of C4G

C4G – Consulting and Training Network, Lda is responsible for the design, implementation, and management of the FARCLIMATE Online Training Platform, in its role as leader of Work Package 4 (WP4).

C4G coordinated both the technical development and content integration processes, ensuring that the platform:

1. Aligns with the project's dissemination and training objectives.
2. Reflects the thematic and pedagogical coherence established in Deliverable D4.1.
3. Functions as a reliable, easy-to-maintain repository of audiovisual content.

In addition, C4G trained consortium partners on content structuring and submission procedures, provided editorial guidance, and maintained platform security and accessibility throughout its initial public phase.

### 3.2 Platform Development Process

The platform was developed following a streamlined, purpose-driven workflow:

1. Design and functional scoping – A minimal, user-focused layout was defined, prioritising direct access to training videos through thematic filters.
2. Content Management System (CMS) setup – A flexible and intuitive CMS (Umbraco) was selected to enable efficient management of video entries, thumbnails, metadata, and categories.

3. Creation of sector and topic navigation – Primary categories were established, including Forestry, Fisheries, Agriculture, Life Cycle Assessment (LCA), EU Taxonomy, Biodiversity, and Nature-based Solutions (NbS).
4. Content upload and visual identity integration – Videos and images were published with consistent thumbnails and branding, aligned with the FARCLIMATE visual identity.
5. Testing and feedback – Internal testing and pilot usage (e.g., the Fundão pilot) confirmed platform functionality, clarity, and responsiveness.
6. Launch and publication – The platform was made publicly accessible via <https://training.farclimate-project.eu>.

### 3.3 Collaboration with Partners for Content Integration

The successful implementation of the FARCLIMATE Online Training Platform depends on close and continuous collaboration between C4G and content-producing partners across the consortium.

Each partner contributes sector-specific expertise, while C4G ensures that this knowledge is translated into high-quality, pedagogically coherent, and technically integrated training modules accessible via the platform.

The training materials hosted on the platform were developed by various consortium partners according to their thematic areas of expertise:

1. CESEFOR – Forestry-related content.
2. FUNDAMAR – Fisheries-related content.
3. ULiège – Agriculture and field demonstration activities.
4. CTA – Life Cycle Assessment (LCA) and EU Taxonomy.
5. UICN – Biodiversity, ecosystem services and Nature-based Solutions (NbS).
6. GGG, LAUREA, ENOLL, CERTH – Urban adaptation, agroecology, and Living Labs.

Each training video was produced by the relevant partner based on their thematic specialisation.

C4G coordinated the following aspects:

1. Receipt of video files and corresponding thumbnails/descriptions.
2. Metadata classification, including title, theme, sector, and duration.
3. Technical validation for format, resolution, and platform compatibility.

### 3.4 Implementation Timeline

The platform was developed using an agile approach, with a focus on simplicity and user experience. Key elements such as layout, navigation and content structure were defined early to ensure intuitive access and efficient content management.

Video content was added progressively, with adjustments made based on internal testing and feedback and once the platform's core features were validated, it was made publicly accessible, allowing for ongoing updates as new materials become available.

## 4 Platform architecture and functionalities

### 4.1 Technical Infrastructure and Hosting

The **FARCLIMATE** Online Training Platform is hosted in a secure and scalable web environment managed by C4G.

It is deployed using a cloud-based infrastructure that ensures:

1. SSL encryption (HTTPS).
2. GDPR-compliant hosting within the European Union.
3. Frequent backups and version control.
4. Full accessibility via desktop and mobile browsers.

The platform is built on the Umbraco Content Management System (CMS), chosen for its flexibility, user-friendliness for content administrators, and robust support for multilingual and media-rich environments.

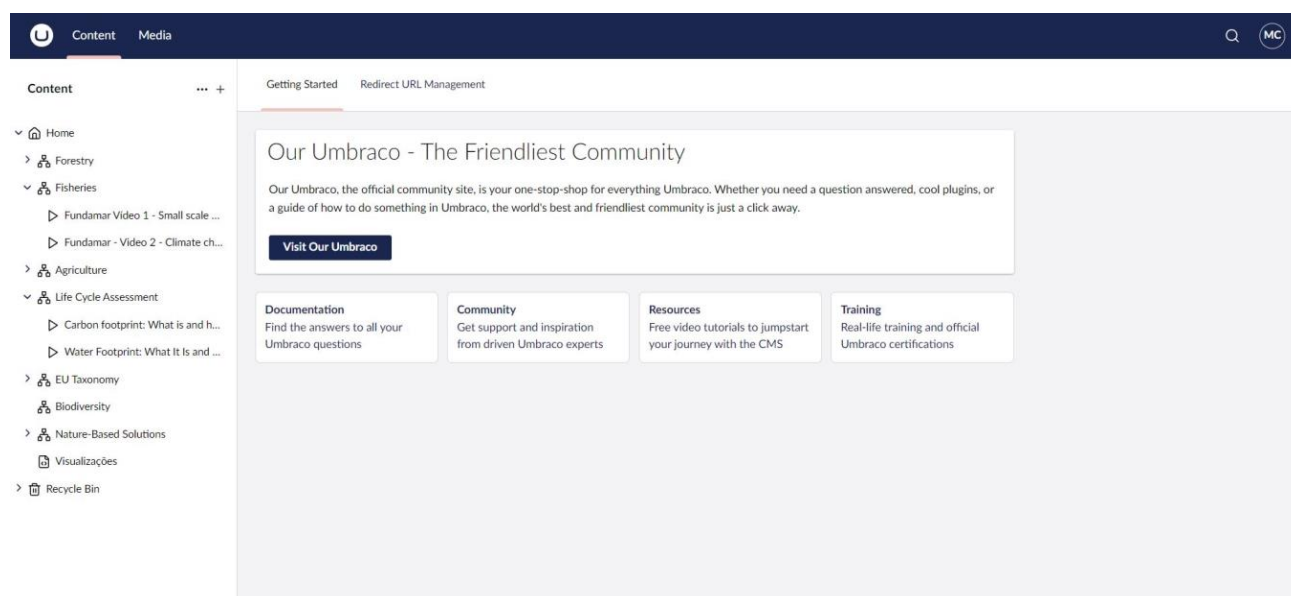


*Figure 1 - Umbraco Content Management System (CMS).*

## 4.2 Content Management System and Backoffice

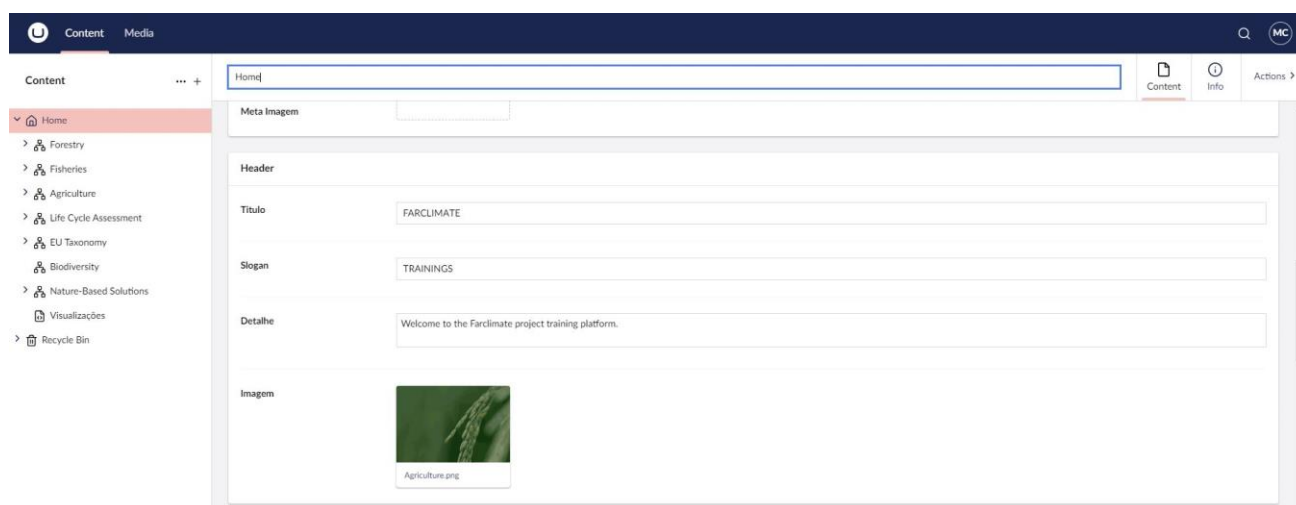


Figure 2 - Backoffice and CMS.

The CMS back office provides administrators with the ability to:

1. Create and update video entries, including titles, descriptions, sector tags, thumbnails, and video duration.
2. Assign training videos to thematic categories such as Forestry, Fisheries, Agriculture, and others.
3. Upload thumbnails and visuals through the integrated media library.
4. Track visualisation data, including basic analytics such as view counts per video.
5. Manage homepage and navigation elements, including banners, introductory text, and labels.

This interface ensures streamlined editorial control, enabling quick content updates and scalable integration of new videos as they are produced.

## 4.3 Sector-Based Content Organisation

The FARCLIMATE Online Training Platform organises its content into three integrated sectoral categories, Forestry, Fisheries, Agriculture and four standalone transversal themes.

While the original pedagogical structure defined in Deliverable D4.1 includes ten distinct training programmes, the platform merges these perspectives within each sector. This approach simplifies the user experience, enabling intuitive exploration of sector-specific content that addresses both challenges and responses in an integrated format.

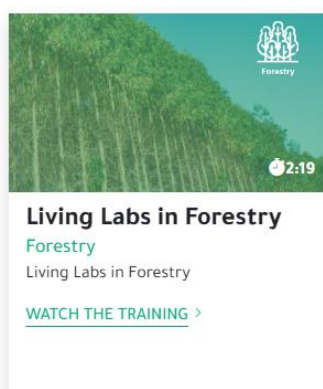
Each sectoral category combines impact analysis with adaptation strategies.

### All trainings

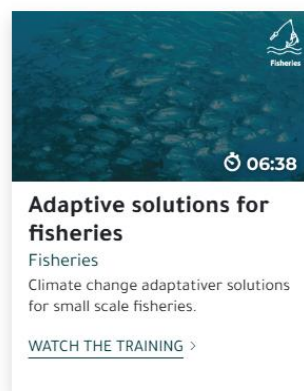
| Training Areas             |
|----------------------------|
| All trainings              |
| Forestry (2)               |
| Fisheries (2)              |
| Agriculture (3)            |
| Life Cycle Assessment (2)  |
| EU Taxonomy (1)            |
| Biodiversity (0)           |
| Nature-Based Solutions (1) |

Each category is visually distinguished by a colour-coded icon and has a dedicated landing section accessible from the homepage or “All Trainings” menu.

#### Forestry | Green



#### Fisheries | Blue



#### Agriculture | Orange



#### Life Cycle Assessment | Purple



Figure 3 - Color-coded video category.

In addition to these merged categories, four transversal thematic areas are presented independently: Life Cycle Assessment (LCA), EU Taxonomy, Biodiversity, and Nature-based Solutions (NbS).

## 4.4 Main Functionalities

Despite its simplicity, the platform integrates essential functionalities aligned with its dissemination and learning objectives:

1. Homepage with thematic access: visually segmented buttons link to each sector:

## All trainings

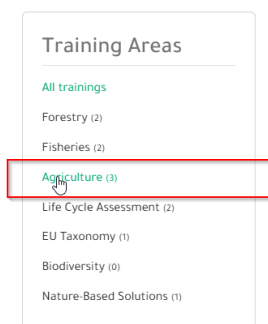


Figure 4 - Homepage with thematic access.

- Video presentation tiles: display image, duration, topic, and viewer count.



Figure 5 - Video presentation tiles.

- Embedded videos: videos play directly within the platform interface.

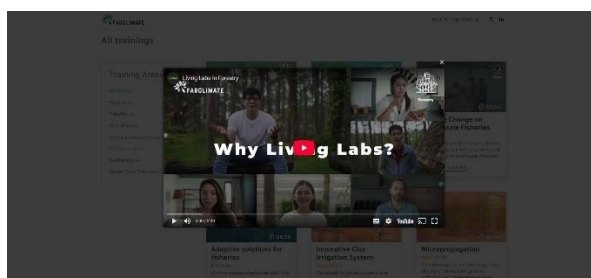


Figure 6 - Embedded videos.

- Basic analytics: view counts per video.

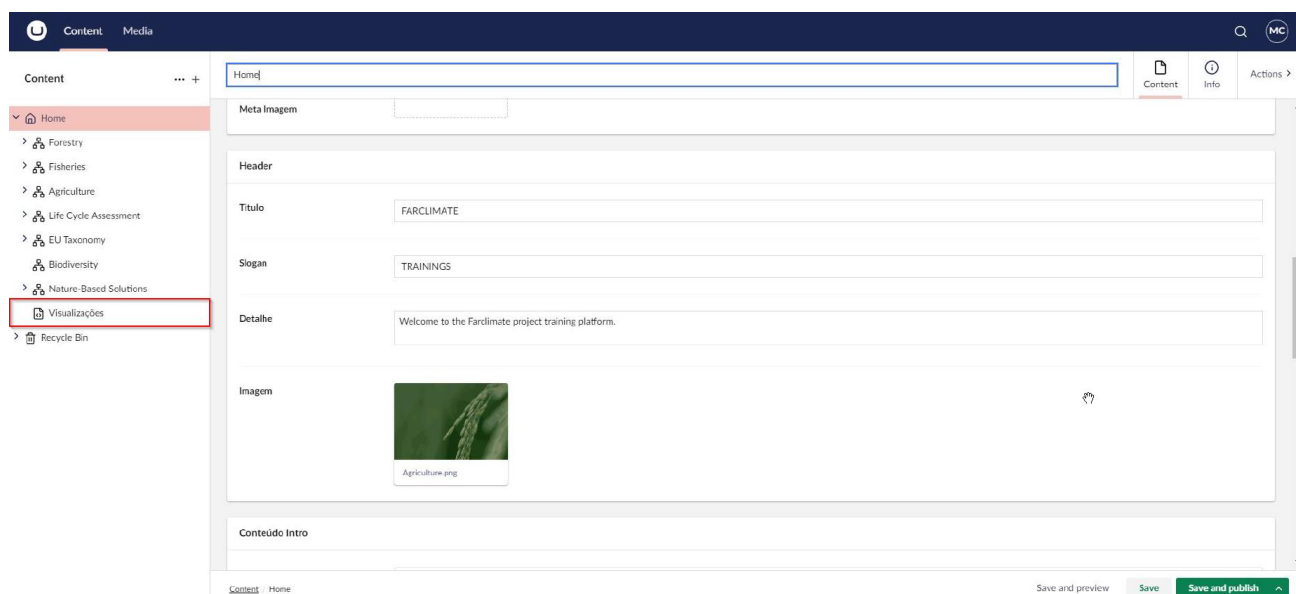


Figure 7 – Analytics.

## 5. Responsive design: fully compatible with smartphones and tablets.



Figure 8 – Responsive Design.

## 6. Footer navigation: includes links to the Privacy Policy, Cookie Policy, and project context.

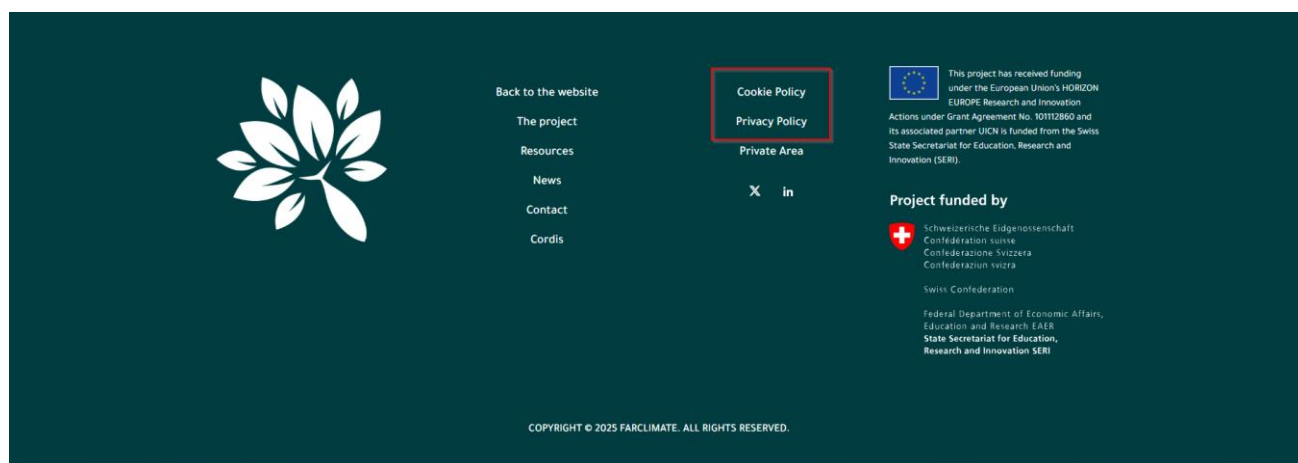


*Figure 9 - Footer navigation.*

## 4.5 Accessibility and Mobile Compatibility

The platform adheres to accessibility best practices, incorporating features such as high colour contrast, scalable text, and descriptive text for images to ensure inclusive access for all users.

Its layout is fully responsive, automatically adjusting to various screen sizes across mobile phones, tablets, and desktop devices, ensuring consistent usability and navigation.

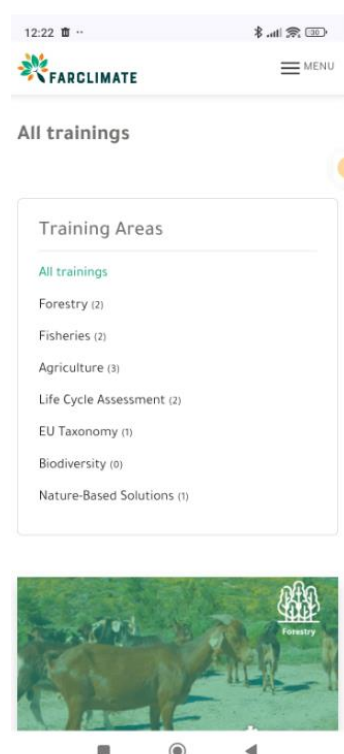


*Figure 10 - Responsive layout - example on mobile phones.*

## 5 Security, privacy and compliance

### 5.1 Main Functionalities

The **FARCLIMATE** Online Training Platform is hosted in a secure cloud environment. The infrastructure ensures data confidentiality through HTTPS encryption, availability via daily backups and uptime monitoring, and integrity through controlled CMS access and editorial logging. All data is stored on EU-based servers, with back-office access restricted to authorised C4G staff.

<https://training.farclimate-project.eu/>

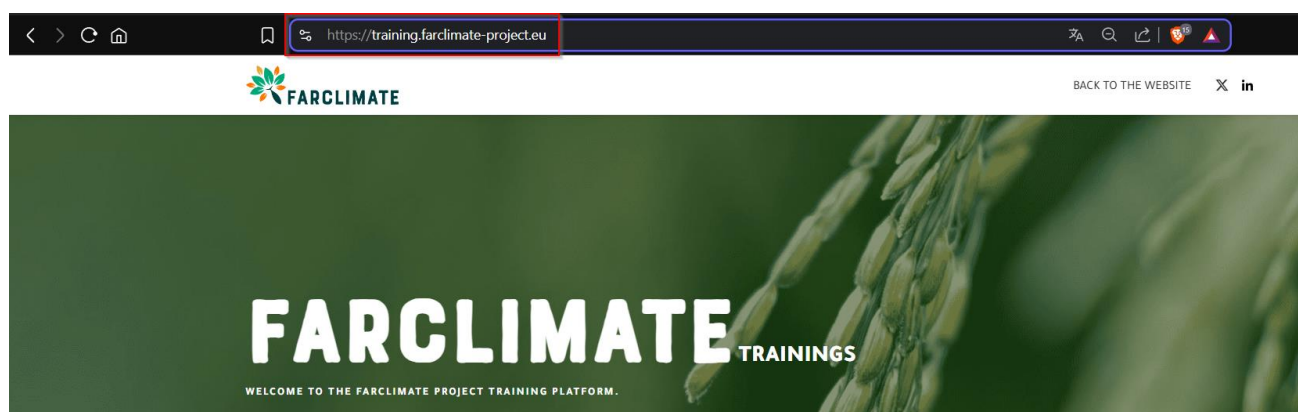


Figure 11 - Web security.

### 5.2 Data Protection and Privacy Policy

Designed with a privacy-by-design approach, the platform complies with the General Data Protection Regulation (GDPR). It does not require user registration, and video view counts are tracked anonymously to avoid collecting personal data.

A clear Privacy Policy and Cookie Policy are available in the site footer, outlining the types of data collected (e.g., basic analytics via embedded YouTube), legal basis for processing, and user rights.

<https://farclimate-project.eu/privacy-policy/>

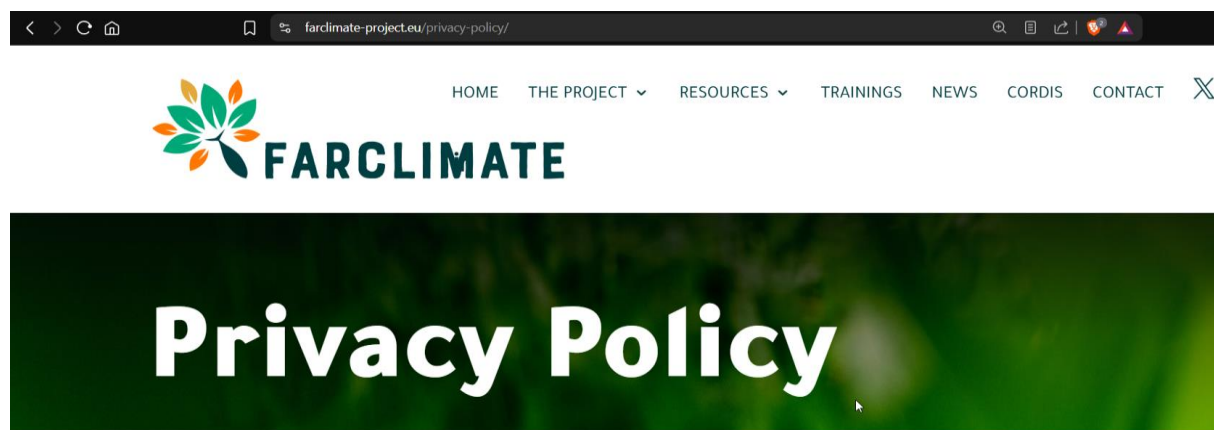


Figure 12 - GDPR compliance.

<https://farclimate-project.eu/cookie-policy/>

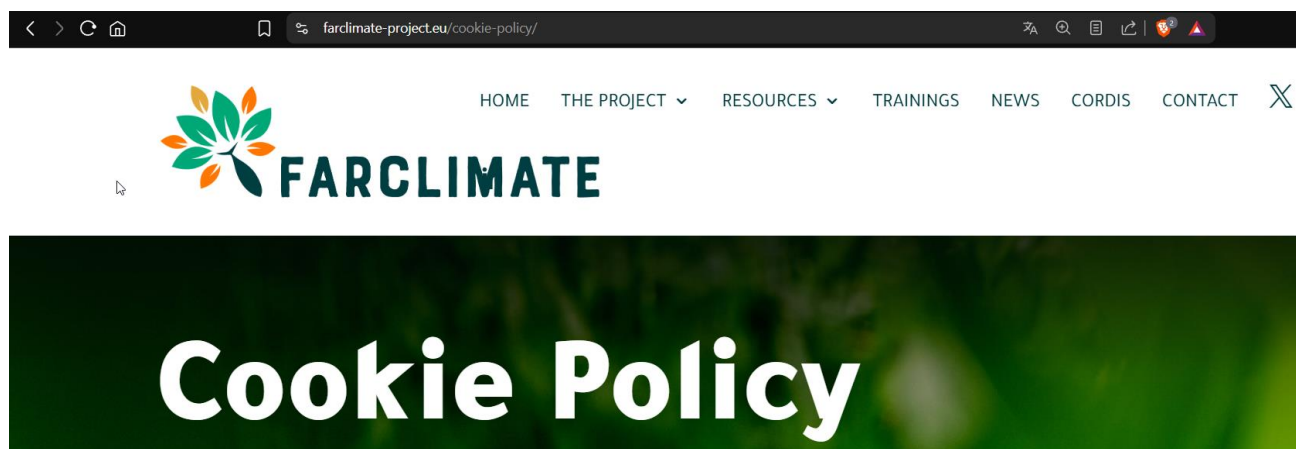


*Figure 13 - Security - Cookies Policy.*

### 5.3 Content Publishing Permissions and Editorial Control

Content publishing is managed solely by designated C4G personnel, who handle video uploads, content editing, and visual identity management. Access to the CMS is secured through role-based logins, strong password policies, and a protected administration portal. Consortium partners submit standardised content for validation and integration.

### 5.4 Usage Monitoring and Access Logs

Usage monitoring relies on basic metrics such as video views, page visits and CMS activity logs. These are used to evaluate engagement, plan updates, and support reporting under WP4 and WP6. The platform avoids personal tracking cookies, using only those essential for technical functionality like session or language settings.

## 6 User Experience and Engagement

The FARCLIMATE Online Training Platform offers open access with no need for login or onboarding, thanks to its intuitive design. Users navigate easily through sectoral categories, visual cues, and clear labels such as "Watch this training" and "Video duration."

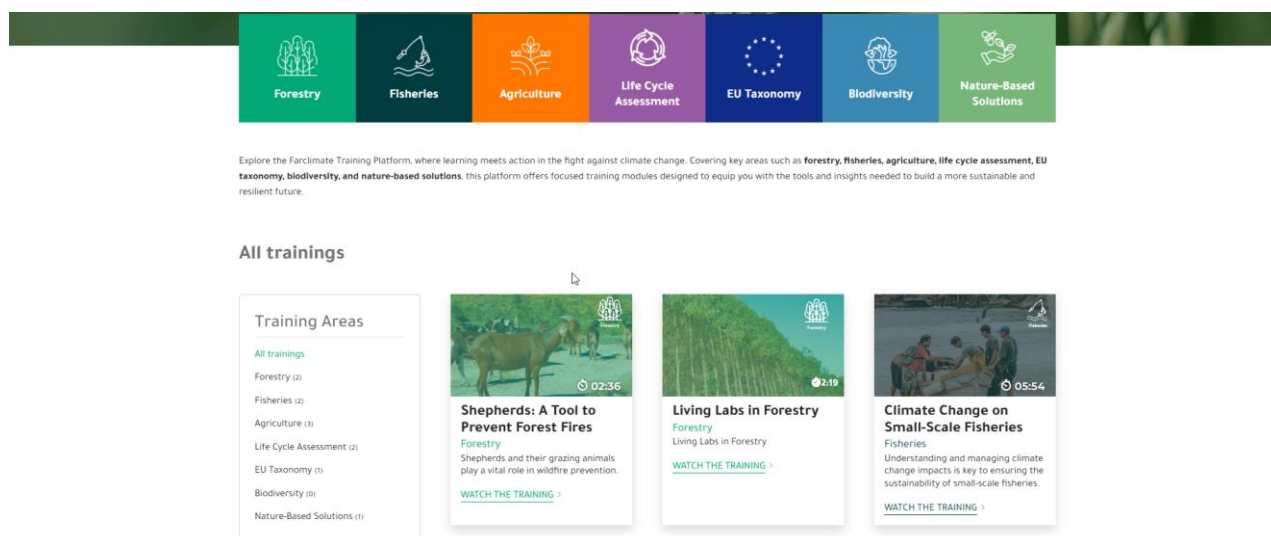


Figure 14 – Navigation.

The platform fully adopts the FARCLIMATE visual identity, logo, colours, icons, and fonts, reinforcing user trust.

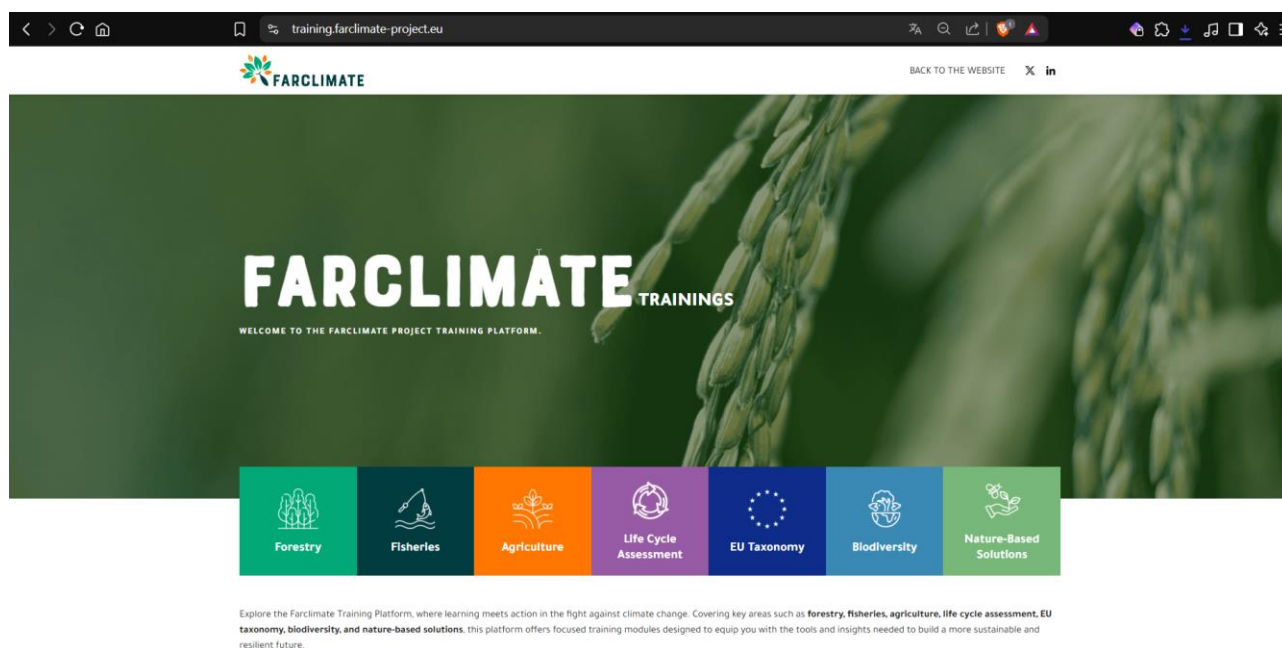


Figure 15 - Visual identity.

## 7 Video content provided

The FARCLIMATE Online Training Platform hosts a curated collection of short video-based training resources developed collaboratively by consortium partners. Designed for open public access, the platform focuses on raising awareness, promoting good practices, and enhancing climate adaptation literacy.

All videos are between 2 and 3 minutes long, presented in English (with subtitles), and include educational clips. Content is streamed and accompanied by metadata such as sector tags, duration, view counters, and thumbnail images for quick orientation.

The Training content present also four transversal themes separately: Life Cycle Assessment (LCA), EU Taxonomy, Biodiversity, and Nature-based Solutions (NbS).

The platform's content organisation reflects the pedagogical foundations of Deliverable D4.1, while simplifying navigation by merging related themes within sector categories. This design supports a unified learning experience, short, modular videos support self-directed learning with no prescribed order, aligning with microlearning principles.

The approach also improves accessibility for non-specialists and enhances reusability in WP7 activities such as workshops and Living Labs. Importantly, the platform retains the flexibility to expand or reorganise modules based on audience needs and future deployment contexts.

## 8 Conclusion

The **FARCLIMATE** Online Training Platform successfully delivers on its goal of providing an open, accessible, and visually structured space for climate adaptation training. Developed by C4G, the platform will host more than 45 short videos across the 7 thematic areas of the curriculum, requiring no registration and enabling wide public access to everyone.

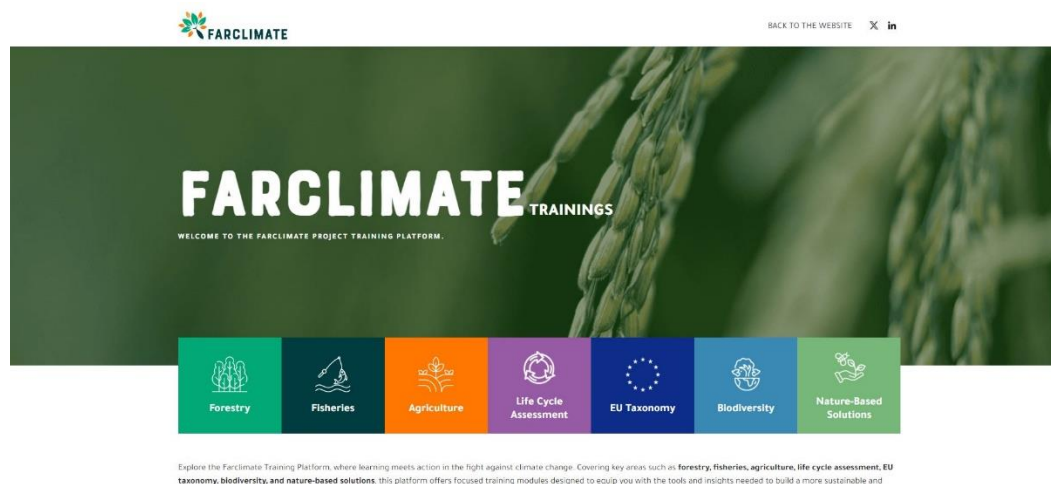
Serving as a central tool within WP4, it connects research outputs from WP2 and WP3 with community-level actions under WP7, among others.

Looking ahead, C4G and partners will expand video content, enhance multilingual support, and ensure long-term maintenance and dissemination.

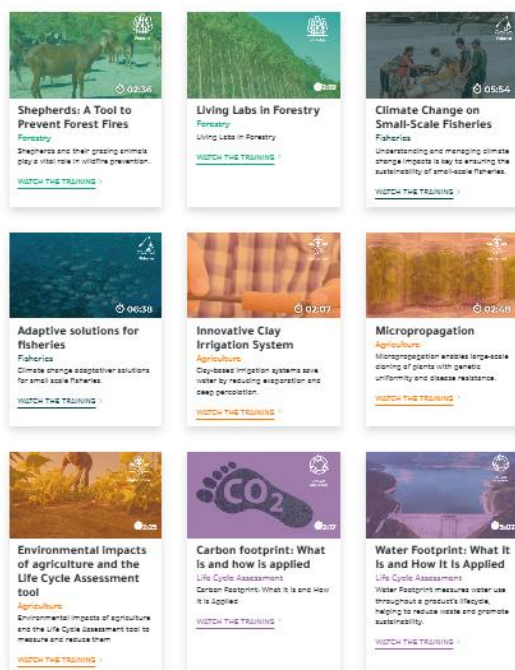
In essence, the platform is a scalable, low-barrier tool for capacity-building and awareness, fully aligned with FARCLIMATE's educational and communication goals.

## Annex A – Platform Frontend Screenshots

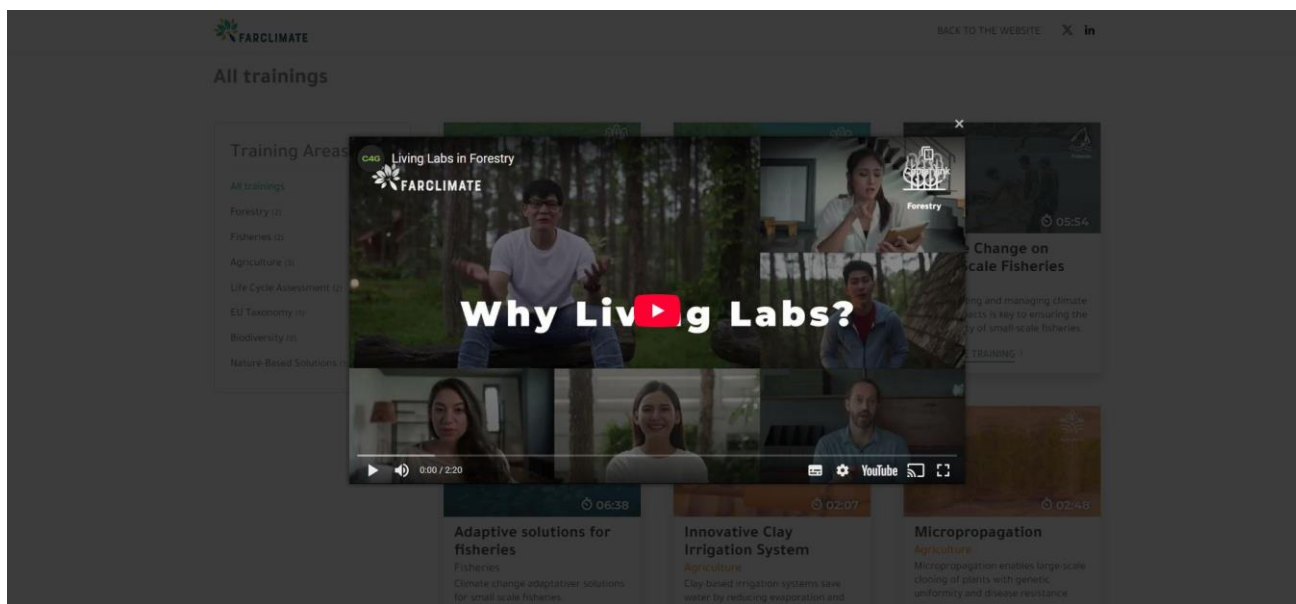
### Homepage with thematic buttons



### Training module cards



## Individual video view page

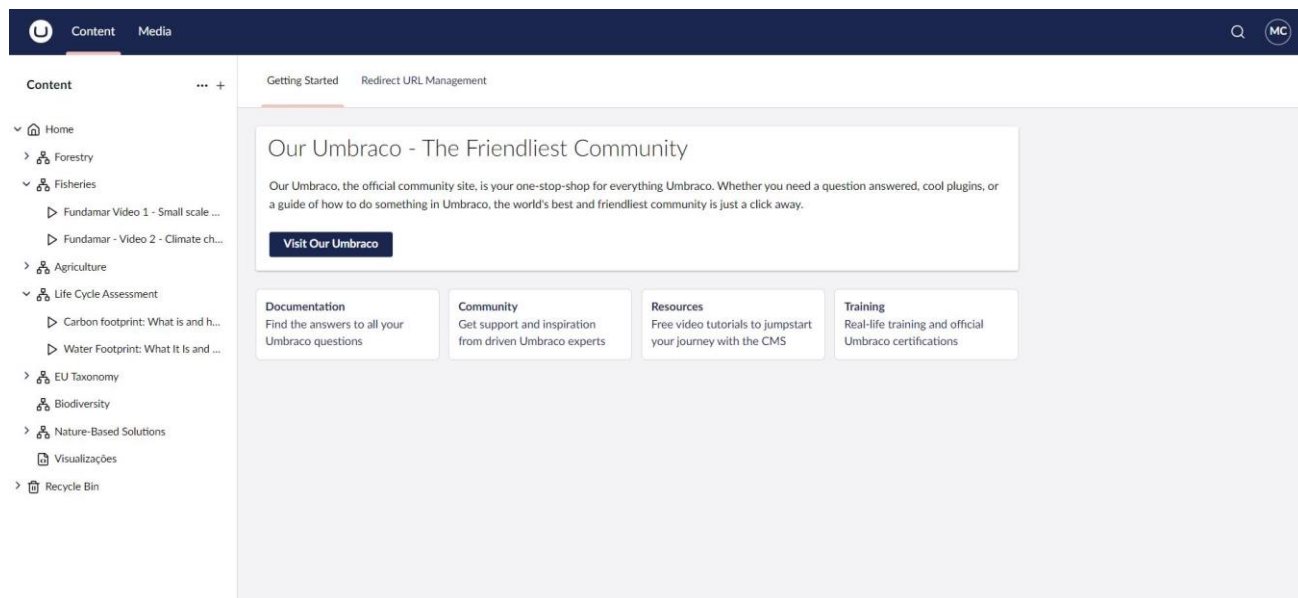


The screenshot displays the FARCLIMATE website interface. At the top, the FARCLIMATE logo is on the left, and navigation links for 'BACK TO THE WEBSITE' and social media icons are on the right. Below the header, the 'All trainings' section is visible. On the left, a sidebar lists 'Training Areas' including All trainings, Forestry (1), Fisheries (2), Agriculture (3), Life Cycle Assessment (1), EU Taxonomy (1), Biodiversity (1), and Nature-Based Solutions (1). The main content area features a large video player titled 'Why Living Labs?' with a play button icon. Below the video player, there are three featured training cards: 'Adaptive solutions for fisheries' (Fisheries, 06:38), 'Innovative Clay Irrigation System' (Agriculture, 02:07), and 'Micropropagation' (Agriculture, 02:48). Each card includes a brief description of the training content.

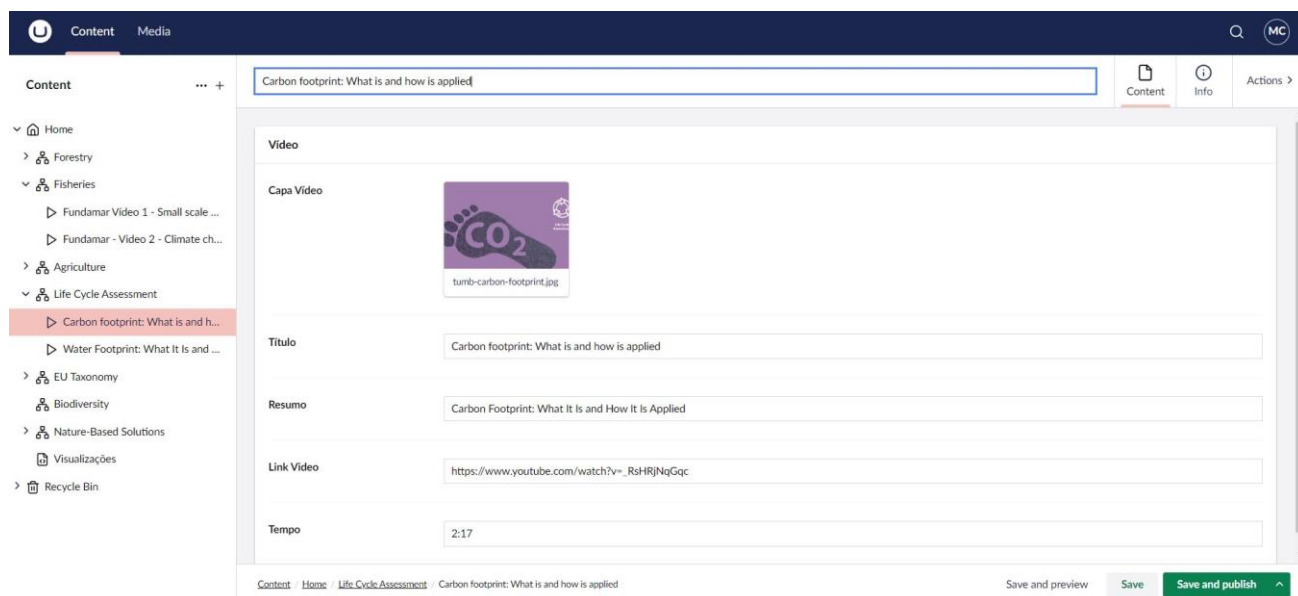
## Annex B – Content Management System (Backoffice)

Screenshots from the Umbraco CMS used by C4G:

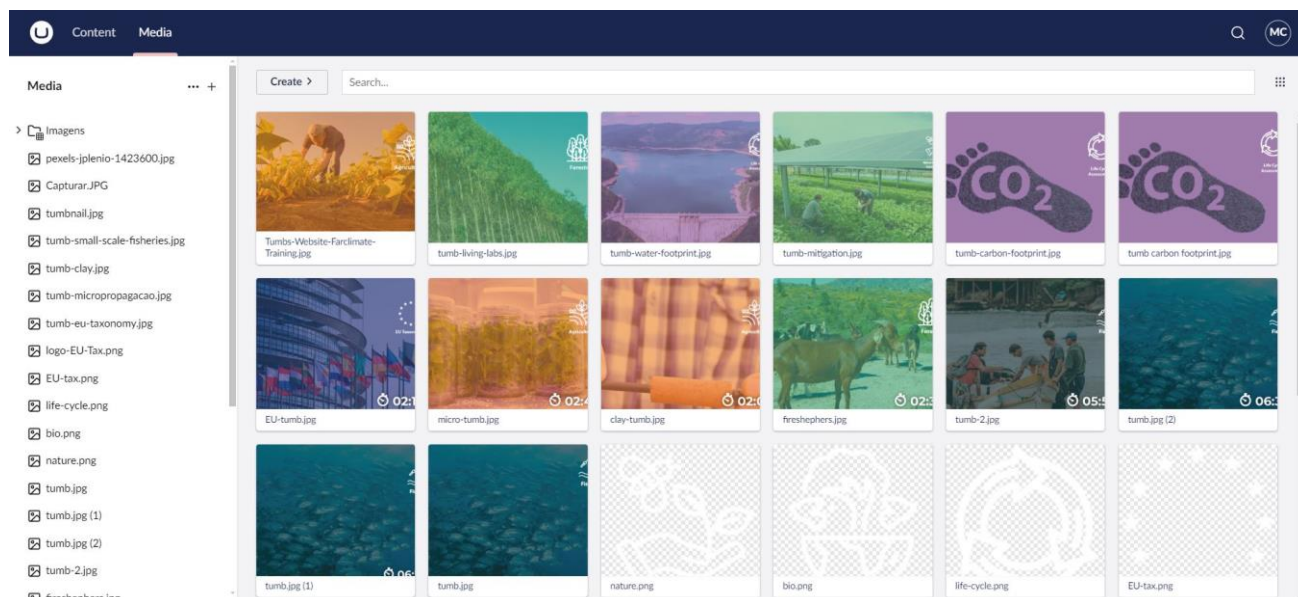
Homepage configuration interface



Video management dashboard



## Media library view



## View count monitoring panel

