



multiclimact

# **D12.1 - DISSEMINATION AND COMMUNICATION REPORT AND PLANNING — SECOND PHASE — V1**

March 2025 | STEINBEIS EUROPA ZENTR



## MULTICLIMACT

### D12.1 - DISSEMINATION AND COMMUNICATION REPORT AND PLANNING – SECOND PHASE – V1

|                     |                                                                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Project Title       | MULTI-faceted CLIMate adaptation ACTions to improve resilience, preparedness and responsiveness of the built environment against multiple hazards at multiple scales |
| Project Acronym     | MULTICLIMACT                                                                                                                                                         |
| Contract Number     | 101123538                                                                                                                                                            |
| Project Coordinator | Rina Consulting S.p.A.                                                                                                                                               |
| WP Leader:          | Steinbeis                                                                                                                                                            |

|                   |                                                                                             |
|-------------------|---------------------------------------------------------------------------------------------|
| Deliverable       | D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1             |
| DoA               | T12.1 Communication and Dissemination strategy [STEINBEIS] (All partners) (M13-M30) [D12.1] |
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| Due date          | 30.03.2025                                                                                  |
| Report date       | 30.03.2025                                                                                  |
| Version           | 2.0                                                                                         |

|                         |             |
|-------------------------|-------------|
| Document classification | PU - Public |
|-------------------------|-------------|



## REVISION TABLE

| Version | Date       | What                                               |
|---------|------------|----------------------------------------------------|
| 1.0     | 20.01.2025 | Table of Contents                                  |
| 1.1     | 25.02.2025 | First draft                                        |
| 1.2     | 10.03.2025 | Second draft ready for internal review             |
| 1.3     | 17.03.2025 | Third draft ready for quality check by coordinator |
| 2.0     | 30.03.2025 | Final version as submitted                         |

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## Abbreviations and Acronyms

| ACRONYM      | DESCRIPTION                                                                                                                                                          |
|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| AECO         | Companies from the Architecture, Engineering, Construction, Operation sector and the construction supply chain                                                       |
| BG           | Background                                                                                                                                                           |
| CI           | Corporate Identity                                                                                                                                                   |
| D&C          | Dissemination & Communication                                                                                                                                        |
| D&C&E        | Dissemination & Communication & Exploitation                                                                                                                         |
| D12.1        | Deliverable 12.1                                                                                                                                                     |
| EC           | European Commission                                                                                                                                                  |
| EEN          | Enterprise Europe Network                                                                                                                                            |
| ER           | Exploitable Results                                                                                                                                                  |
| EU           | European Union                                                                                                                                                       |
| HEU          | Horizon Europe                                                                                                                                                       |
| IP           | Intellectual Property                                                                                                                                                |
| KER          | Key Exploitable Result                                                                                                                                               |
| KPI          | Key Performance Indicators                                                                                                                                           |
| LLGs         | Local Liaison Groups                                                                                                                                                 |
| M            | Month                                                                                                                                                                |
| MULTICLIMACT | MULTI-faceted CLIMate adaptation ACTions to improve resilience, preparedness and responsiveness of the built environment against multiple hazards at multiple scales |
| PR           | Project Results                                                                                                                                                      |
| R&D          | Research and Development                                                                                                                                             |
| SME          | Small and Medium Sized Enterprise                                                                                                                                    |
| ST           | Subtask                                                                                                                                                              |
| STO          | Scientific and Technological Objective                                                                                                                               |
| T            | Task                                                                                                                                                                 |
| V1           | Version 1                                                                                                                                                            |
| WP           | Work Package                                                                                                                                                         |





## Executive Summary

This report, MULTICLIMACT Dissemination and Communication Report and Planning - Second Phase - V1 (D12.1), provides an in-depth review of the dissemination and communication activities carried out and planned between M13 and M30 of the MULTICLIMACT project. It builds upon the D&C&E Strategy v2 (D5.4) from the first phase, shifting the focus from strategic planning to tangible achievements and ongoing efforts in engaging stakeholders and disseminating project outcomes.

The report outlines the key D&C activities, including the continuation of D&C team meetings, the maintenance and enhancement of communication channels and tools, and the development of tailored dissemination materials and guidelines. These efforts have strengthened the project's visibility and impact, fostering engagement across scientific, industry, policy, and public audiences, with a reach exceeding 130.000.

A critical component of the second phase has been the implementation of a structured editorial calendar, which has ensured a coordinated and systematic approach to newsletters, social media updates, infographics, and video materials. To date, the consortium has published multiple newsletters, produced engaging visual content, and maintained an active presence on key dissemination platforms.

The project has also made significant progress in scientific and general publications, supporting the dissemination of MULTICLIMACT findings through academic journals, conferences, and accessible public materials. The report highlights the plan to further increase the number of scientific publications and to develop additional infographics, videos, and other communication tools.

Looking ahead, the second phase will focus on amplifying the project's impact, ensuring the wide dissemination of results, and maximising engagement with key stakeholders. A key focus will be the development of MULTICLIMACT subpages on partner institution websites, which will be available in English and/or local languages to reach a wider audience. Additionally, further outreach through conferences, social media, and collaborative initiatives will be prioritised to enhance engagement and promote the project's key findings.

By maintaining a strategic and proactive approach, the MULTICLIMACT consortium aims to ensure that the project's insights and solutions continue to influence climate adaptation and mitigation strategies beyond its duration.



# 1. INTRODUCTION

The MULTICLIMACT Dissemination and Communication Report and Planning – Second Phase – V1 (D12.1) is a continuation of the D&C&E Strategy v2 (D5.4) submitted in M12 as part of the D&C&E work done in the first phase. This deliverable covers the second phase spanning from M13 to M30; summarises the work connected to D&C activities from M13 to M18 and also planning up to M30 and will be updated on M30 with more concrete results of the second phase in Deliverable D12.5 - Dissemination and Communication report and planning - second phase -V2.

The main difference between the D5.4 and D12.1 is that the first one was more focused on the strategy and the latter is focused on achievements. Another important difference is that D12.1 excludes exploitation activities, as a separate deliverable (D12.2 - Exploitation Logbook, Market analysis and Innovative business modelling - second phase - V1, due in M18 and led by RINA-C) is dedicated to this aspect in the second phase, whereas D5.4 also covered the exploitation strategy.

This deliverable is composed of six chapters, each having multiple subchapters for detailed clarification of the topics addressed. Chapter one introduces the MULTICLIMACT objectives, the role of D&C in reaching these objectives and the main readership of the deliverable. It further sheds light on the involvement of consortium members in the deliverable creation, its structure and relation with other activities in the project.

The following Chapter two focuses on communication and dissemination achievements, including continuation of the D&C Team meetings, maintenance of D&C channels and tools, and also development of detailed D&C tools and guidelines. Chapter three dives into the events and Chapter four into publications, whereas Chapter five looks at the future planning and gives more insight about strategy of the second phase and upcoming activities within this period. Finally, Chapter six concludes and provides an outlook on the expected update on the D&C work.

Across the deliverables, the close connections of the project's D&C activities with other WPs are demonstrated, specifically with the tasks in WP12 led by STEINBEIS and WP16 led by ICLEI and BRC. The tasks in WP12, its task leaders, related partners, duration, and deadlines of related deliverables between M13 and M30 are shown in Table 1.

## D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1

Table 1: Gantt Chart for WP12 (overview of the tasks between M13 and M30)

[illegible]



## 1.1. MAIN OBJECTIVES OF MULTICLIMACT

The main objective of MULTICLIMACT is to support the preparedness and responsiveness of the built environment and people to ensure resilience against climate-related and natural hazards. This aim requires the adoption of a replicable and consistent approach. This will require a virtuous balance between the need of accounting for the local specific needs and potential, as well as the necessity of scaling up affordable, reliable, and relatively fast solutions. MULTICLIMACT aims to achieve the following main objectives:

- The objective of the MULTICLIMACT project is to create a universal framework and tool to support both public stakeholders and citizens in evaluating the resilience of the built environment and people at multiple scales (buildings, including cultural heritage, urban areas, and infrastructures) to locally significant natural and climatic threats. Additionally, the project aims to assist them in improving their preparedness and responsiveness throughout their life cycle.
- The integrated approach will incorporate a resilience scorecard system designed to encompass various categories of built environment assets, along with considerations for human well-being, health, and quality of life, which are fundamental scales for analysis and intervention.
- MULTICLIMACT will facilitate resilience-building and climate adaptation efforts through the deployment of a toolkit comprising Design Practices, Materials, and Digital Solutions. This toolkit will empower users to assess the potential impact of their application on the resilience of the designated asset. The project will adopt a multidisciplinary approach, incorporating socio-economic, lifespan, engineering, and climatic perspectives.
- The MULTICLIMACT strategy aligns with pertinent international and European endeavours by leveraging established knowledge and tools while showcasing suggested methodologies through four case studies. These case studies exemplify diverse geographical regions, natural and climatic threats, social and economic frameworks, and levels of examination, spanning from individual buildings (including cultural heritage) to urban and territorial contexts.

## 1.2. ROLE OF D&C TO REACH THESE OBJECTIVES

The activities performed around D&C in the project aim to increase the impact of all results developed in MULTICLIMACT. In line with the objectives defined above, coordinated communication and dissemination activities in various digital and non-digital forms will be carried out.

- The project will be promoted by informing the wider public about the project's impacts and benefits (communication activities) while at the same time making results available for use to more scientific and technical audience types (dissemination activities).
- The MULTICLIMACT D&C Report and Planning thus serves as a source of information regarding all implemented & future planned D&C activities, materials, and channels.
- The report further acts as a guideline on what is expected from which partners, when it is expected, the aim of the respective activities, how activities will be monitored (e.g., KPIs).
- Furthermore, it provides the partners with an understanding of why D&C activities are relevant to main target groups and how they will be reached.



### 1.3. MAIN READERSHIP

The readership of MULTICLIMACT D12.1 - Dissemination and Communication Report and Planning - Second Phase - V1 is threefold:

1. First, the MULTICLIMACT project partners need to be informed about the planned D&C activities, about how to communicate and disseminate the project themselves and what needs to be considered while doing so (for example, dissemination guidelines for scientific partners, use of Corporate Identity (CI), reference to EU funding).
1. Second, this deliverable informs the European Commission (EC) about the realised and planned D&C activities as well as expected KPIs within the project.
2. Third, this deliverable informs the related stakeholders and citizens in general about the project objectives and achievements.

### 1.4. CONTRIBUTIONS OF PARTNERS

STEINBEIS as leader of WP12 is responsible for the general development of this deliverable and is responsible for the continuous implementation of its described D&C activities throughout the project, continued by WP16 in the following project phase. RINA-C as project coordinator is closely involved in the development of new D&C materials and dissemination guidelines, as they did for development of the project CI in the first phase. Moreover, RINA-C reviewed this deliverable as part of quality management. ICLEI, responsible for the T12.4 in WP12, realised the first review of this deliverable as part of quality management. The following Table 2 shows the main contributions from project partners in the development of the current deliverable.

*Table 2: Contributions of consortium partners to D12.1*

| PARTNER SHORT NAME | CONTRIBUTIONS                                                                          |
|--------------------|----------------------------------------------------------------------------------------|
| STEINBEIS          | Coordinating of WP12 and writing of D12.1 V1                                           |
| RINA-C             | Overall support with D&C activities, final review of D12.1 V1                          |
| ICLEI              | Review of D12.1 V1                                                                     |
| All Partners       | Contribution with feedback and content for D&C Material / Channels to overall strategy |

### 1.5. STRUCTURE AND RELATION TO OTHER PROJECT ACTIVITIES

The project's D&C measures have been determined to raise optimum project awareness and to ensure that research, results, knowledge, and experience gained result in maximum environmental, societal and economic impact. The measures to achieve this rest upon four pillars:





- a) **Communication** (started in the first phase with WP5 and continue in the second phase with WP12 and in the third phase with WP16) focuses on raising awareness among the broad public - both locally in the pilot sites and internationally.
- b) **Replication**, outreach, and scaling (WP5, WP12, WP16) aims at fostering broad deployment at EU level of the MULTICLIMACT resilience framework.
- c) **Dissemination** (WP5, WP12, WP16) ensures that MULTICLIMACT's results have relevant impact on all stakeholders throughout the project's lifecycle and beyond. Activities focus on i) making results available for a well-informed audience, ii) encouraging exploitation of project results in Europe and worldwide e.g. by presenting them on suitable matchmaking platforms, iii) facilitating further research and development at universities, RTOs & research departments of the stakeholder community by providing data generated in MULTICLIMACT, amongst others through openly accessible scientific publications and data sets.
- d) **Exploitation and business modelling** will be explored in detail due to its importance as a separate deliverable, D12.2 - Exploitation Logbook, Market analysis and Innovative business modelling - second phase - V1, in the second phase to be submitted by RINA, due by M18. Here we briefly mention that within the WP12, exploitation and business modelling activities will i) support project partners in the understanding of the legal links between their background and project results, the IP related questions, rights, and obligations, AND ii) ensure the adoption of outcomes and research results by the community around the improvement of the built environment's resilience towards natural hazards. The applied exploitation methodology will end in exploitable results of MULTICLIMACT (products, services, methodologies, and business models) (as done in the first phase WP5, now in the second phase WP12 and in the third phase WP16) and their pathway to market entry. Market analyses and innovative business modelling will also be carried out for key exploitable results.

## 2. COMMUNICATION AND DISSEMINATION ACHIEVEMENTS

The dissemination and communication strategy for the MULTICLIMACT project is designed to maximise the impact and visibility of its efforts in enhancing the resilience of Europe's built environment to natural and climatic hazards. At the heart of this strategy is the commitment to engage a wide range of stakeholders, including the scientific community, policymakers, industry leaders, and the general public, ensuring the project's findings and innovations are accessible and actionable.

Specifically, as mentioned in D5.4-D&C&E Strategy v2, submitted in M12, this strategy offers insight into the significance of dissemination and communication activities, detailing its methodological approach and its implementation throughout the project. The dissemination and communication activities are planned across the three project phases, synchronised with the reporting periods:

1. WP5 (MULTICLIMACT outreach - Communication, Dissemination, Engagement and Exploitation) in period 1 from M1 to M12 (plan & design - completed in September 2024)
2. WP12 (MULTICLIMACT outreach - C&D&E, while maximizing social innovation and exploitation) in period 2 from M13 to M30, (develop & test - current period to last until March 2026)
3. WP16 (MULTICLIMACT outreach - C&D&E, while empowering marketability, scalability, and replicability) in period 3 from M31 to M42 (deploy & revise - the last period between April 2026 to March 2027).

The MULTICLIMACT consortium has made significant progress during the first phase of the project starting from M1 to M12, namely from October 2023 to September 2024 in terms of planning and designing the resilience framework and detailing its technical and non-technical features and setting-up the method that will be implemented in the CREMA tool for the resilience assessment.

The second phase of the project is the longest (18 months), as it includes two crucial steps of the methodology, which requires a consistent effort by all partners. Indeed, the planning and design carried out in the first phase is being put in practice in phase two, where the MULTICLIMACT CREMA tool and the design and materials and solutions toolkit is being developed for their application in a real context, as well as tested at the four project demo sites.

In line with the progress in the project and the D&C&E strategy developed in phase one, D&C activities also gained momentum. Built upon the existing D&C&E strategy, in the second phase the focus of the D&C strategy includes more dissemination actions, whereas maintaining the communication activities. The achievements in the second phase of the project can be summarised as follows and each bullet point will be explained in detail under related sections in this deliverable:

- The D&C Team continues to meet regularly every two months to align central and local D&C activities and to exchange input for D&C communication channels.
- New promotional materials and guides are being developed in line with the current need of the second phase, which is focused more on dissemination activities.
- Networking activities with sister projects and external stakeholders are progressing in a structured manner. The details of joint activities will be documented in D12.4 - International Outreach, Cooperation, and Peer Learning among LLGs, to be delivered by ICLEI in Month 30.
- Efforts to maximise the impact of project outcomes continue through collaboration, synergies, clustering, and twinning activities with other Horizon Europe projects, including those implementing the EU Partnership Built4People, the EU Partnership on Driving Urban Transitions, and projects funded under the same Work Programme.
- Corporate identity elements and promotional materials developed in the project's initial phase have been widely utilised by all partners, both at live events and on digital platforms.



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- The project website and social media channels are actively used to communicate progress effectively and proactively.
- Newsletter publication continues in accordance with the D&C strategy.
- Press releases, blogs, and news articles have been produced and distributed to media outlets.
- The consortium has organised multiple meetings and participated in international conferences.
- The consortium's scientific partners have continued to publish scientific articles, supporting dissemination activities.

Table 3 provides an overview of the main MULTICLIMACT D&C&E KPIs as of the end of the project in M42. The table below shows the target KPIs in black and respective achievements in green as of M18. Please note that for each Item/Tool/Channel, the KPIs can be defined as the number of items, the reach count, or both.

Table 3. Main D&C&E KPIs and respective achievements

| ITEM / TOOL / CHANNEL     | KPI M42<br>(# OF ITEM)                     | ACHIEVEMENT M18<br>(# OF ITEM) | KPI M42<br>(REACH)   | ACHIEVEMENT M18<br>(REACH) | STATUS                     |
|---------------------------|--------------------------------------------|--------------------------------|----------------------|----------------------------|----------------------------|
| Project Website           | NA                                         | NA                             | 40,000 page views    | 4.309                      | Activation measures needed |
| Newsletter                | 6                                          | 3                              | 300 subscribers      | 110                        | In progress                |
| Press Releases            | 1-2 per year (6 in total)                  | 3                              | NA                   | NA                         | In progress                |
| News Articles             | 3 per month, from M6 to M42 (108 in total) | 10                             | NA                   | NA                         | In progress                |
| Blogs                     | 1 per month, from M7 to M42 (35 in total)  | 3                              | NA                   | NA                         | In progress                |
| LinkedIn                  | NA                                         | NA                             | 750 followers        | 381                        | In progress                |
| X                         | NA                                         | NA                             | 750 followers        | 39                         | KPI review needed          |
| Introductory Video        | 1 professional video                       | 1                              | 10,000 views         | 1.969                      | In progress                |
| Mobile-phone style videos | 10-15 videos                               | 2                              | 5,000 views in total | 1.394                      | In progress                |
| Postcard/Rollup           | NA                                         | NA                             | 10,000 people        | ~3.000 people              | In progress                |
| Scientific Publications   | 10-15 publications                         | 9                              | Open access          | 5                          | In progress                |
| General Publications      | 5 publications                             | 19                             | NA                   | NA                         | In progress                |



## D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1

|                                     |                                     |    |                                |     |                    |
|-------------------------------------|-------------------------------------|----|--------------------------------|-----|--------------------|
| <b>Best Practices Booklet</b>       | Digital and printed                 | -  | 500 audience                   | -   | <b>Not started</b> |
| <b>Information Material for KER</b> | Digital and printed                 | -  | 1,000 downloads / distributed  | -   | <b>Not started</b> |
| <b>Project Local Events</b>         | 15-20 events                        | 2  | 25 participants per site visit | -   | <b>In progress</b> |
| <b>External Events</b>              | Approx. 25 events                   | 11 | Active participation           | Yes | <b>In progress</b> |
| <b>Joint/Coordinated Events</b>     | Workshops/ Webinars or other format | 2  | 2,000 participants in total    | -   | <b>In progress</b> |

## 2.1. CONTINUATION OF THE D&C TEAM MEETINGS

### 2.1.1. D&C COMMUNICATION CASCADE

Within MULTICLIMACT, D&C activities take place at various levels and are carried out by different partners. Thus, different roles are required to ensure that adequate implementation of the D&C activities is achieved. The following chapters describe the different communication levels, roles, and responsibilities across the project partners as well as how communication between STEINBEIS as WP12 leader and the remaining MULTICLIMACT partners is organised and linked.

STEINBEIS as WP12 leader set-up the MULTICLIMACT D&C Team in the first phase, which is the backbone of the entire communication activities within the project. The two-way communication flow between STEINBEIS and the project partners is realised through the D&C Team as given in Figure 1. The communication cascade foresees that STEINBEIS informs the WP leaders and the representatives from four demo sites. As the next step, WP leaders and four demo sites then spread this information to other local partners and stakeholders. In return, WP partners and other stakeholders inform WP leaders and demo sites representatives, who also inform STEINBEIS.

In this communication cascade, WP leaders and four demo sites play a crucial role to transmit the information.

### 2.1.2. INTERNAL DISSEMINATION AND COMMUNICATION LEVEL: D&C TEAM

The MULTICLIMACT D&C Team is an important means to ensure the internal communication flow between STEINBEIS as WP12 leader and the rest of the consortium. As seen in Figure 1 the D&C Secretariat, or D&C Team, is responsible for updating each other on the latest developments within the WPs and demonstrators, thus pursuing a multiplier effect. This close involvement of all partners guarantees a successful flow of information within the project as well as a wide spread of MULTICLIMACT outcomes. To ensure this, a dedicated D&C Team has been established, which consists of one D&C representative per project partner. The D&C Team members participate in regular D&C Team meetings to communicate their organisation's or WP needs, providing updates about publishable activities as well as concrete inputs for the website, social media, news articles, etc. to STEINBEIS.



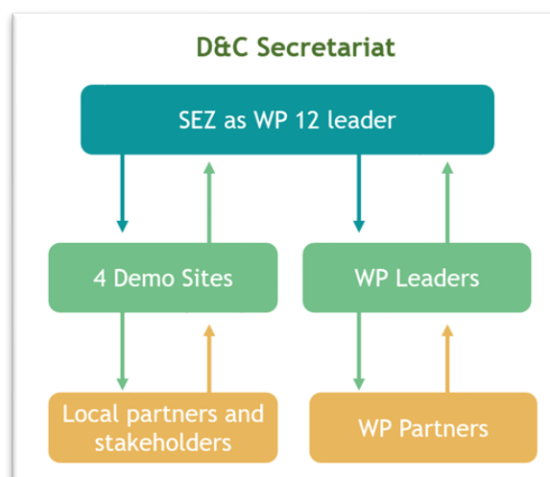


Figure 1: D&C&E Communication structure within D&C Team in the project (Credits: STEINBEIS)

### Frequency

The D&C team was established in M2 and realised the first online meeting on 15 December 2024. For the first six months, the meetings were held monthly and after M8, when the communication flow was successfully established, the online meetings are now held every two months. Since the beginning of the project, the MULTICLIMACT D&C team has met ten times, including two in-person meetings during the General Assembly in Delft on 17 April 2024 and in Ancona on 17 October 2024.

### Members & Roles

The MULTICLIMACT D&C Team consists of mandatory representatives from each WP and each Demo Site, plus optional representatives from all other partners. More specifically:

- **STEINBEIS:** acts as the main project contact point for all interested press and media in the English language. It is responsible for the main project communication and provides the D&C Team members with the respective materials and texts. STEINBEIS manages the projects' main communication materials and channels such as the project website, e-newsletter, press releases or social media channels (LinkedIn, X and YouTube).
- **RINA-C:** as coordinator and exploitation lead, RINA-C strongly supports STEINBEIS with the activities of the D&C Team as well as contributes to its contents as an active member. Vice versa, STEINBEIS strongly supports RINA-C in external communication to related EU institutions, initiatives, projects, interested stakeholders and other multipliers as well as in supporting successful exploitation via dissemination means.
- **PARTNERS:** the D&C Team members (incl. WP leaders and representatives from the demonstrators) are responsible for providing regular input to the MULTICLIMACT D&C Team and for providing STEINBEIS with information about their respective (local) activities and results, so that they can then be further promoted. Furthermore, the D&C Team members are responsible for promoting the project via their own local and national channels, e.g., distributing the project newsletter, translating, and distributing the press releases, disseminating project news via their organisation's websites, social media channels, etc.

### Input Collection

The agenda and the minutes of the D&C meetings are regularly uploaded to a dedicated folder on the joint file sharing platform provided by RINA-C for all team members to access (SharePoint). The collection of input for the different communication channels is supported by a list of activities,



including an Editorial Calendar, stored on the SharePoint. The list is managed by STEINBEIS and regularly filled with inputs by all members of the D&C Team. The list is reviewed jointly by all members as part of the regular D&C Team meetings.

### 2.1.3. EXTERNAL DISSEMINATION AND COMMUNICATION LEVELS

The external MULTICLIMACT D&C activities take place at various levels:

#### European/International Level

At this level, European and international stakeholders, initiatives, projects, etc. are informed about MULTICLIMACT by STEINBEIS in English, e.g., via the project website, blog articles, newsletter, social media channels, but also through active event participation at international level. The global D&C activities are organised jointly in cooperation with related projects and initiatives. Moreover, all project partners participate in global D&C activities and events to increase the visibility of MULTICLIMACT.

#### National, Regional, and Local Level

Interested stakeholders at a national level should be addressed in their local languages. Therefore, D&C activities at national/regional/local level are done by the national, regional, and local project partners. A selection of general project news, articles, and other information (depending on the local audience and their needs) can be translated and distributed by the project partners of each country. Moreover, local partners have connections to local media and related networks which they can use for specific local MULTICLIMACT dissemination and communication. The local D&C Team partners are thus fully responsible for regional/local communication and strongly supported by STEINBEIS where possible, e.g., in the form of bilateral calls or e-mails.

## 2.2. MAINTENANCE OF D&C CHANNELS & TOOLS

Within MULTICLIMACT, a mix of printed and digital D&C materials is distributed via different channels. This multi-channel approach ensures that a broad range of stakeholders and target audiences will be reached. WP12 leader STEINBEIS is responsible for the maintenance of D&C channels and tools throughout the project's lifetime.

This chapter provides practical information about the MULTICLIMACT D&C channels and tools.

### 2.2.1. MULTICLIMACT PROJECT WEBSITE

The MULTICLIMACT website ([www.MULTICLIMACT.eu](http://www.MULTICLIMACT.eu)) is the key instrument for external communication of the project, bringing all D&C activities together in one place. It constitutes the central knowledge base for the project partners and beyond, presented in the English language.

The project website has been made public in M6 and from then on updated regularly with more input from project partners, offering general and individual information for external purposes in a clear and structured manner.

STEINBEIS is responsible for the website's set-up and maintenance, whereas the content is strongly dependent on the input from the project partners, WP leaders and the demonstrator partners in particular.



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In the second phase, in line with the project progress some new sections were added to the project website. Two new pages (INFOCORNER and OUTCOMES) and three subpages under OUTCOMES were developed in accordance with the D&C strategy starting from M8 and now the MULTICLIMACT website, as shown in Figure 2, consists of the following pages:

- **HOME**: landing page and teaser to other pages
- **ABOUT**: objectives, challenges, expected impact, involved partners with two subpages:
  - **Challenge & Objectives**
  - **Consortium**
- **DEMO SITES**: information about each of the four demonstrators, including challenges faced and solutions pursued
- **NEWS**: blogs, articles, newsletters with three subpages:
  - **Press Releases**
  - **Newsletters**
  - **News Articles**
- **INFOCORNER**: Corporate Identity elements including logo and key visual, promotional materials including rollup and postcard and information materials including style guide, scientific publications guideline and general project presentation.
- **OUTCOMES**: results of the projects, e.g., deliverables, scientific publications, white papers
  - **General Publications**
  - **Scientific Publications**
  - **Public Deliverables**
- **CONTACT**: contact info to get in touch with the project as well as links to social media channels

One more section will be added to the website to show the clustering activities, cooperation and joint activities with sister projects and related networks:

- **NETWORKING**: activities with sister projects and external stakeholders; details of clustering activities, and twinning activities with other Horizon Europe projects, including those implementing the EU Partnership Built4People, the EU Partnership on Driving Urban Transitions, and projects funded under the same Work Programme will appear on this page.

The website will be continuously managed by STEINBEIS until the end of the project and be updated with relevant information about project results and achievements with inputs from the project partners. The website will remain active as a static version after the end of the project for at least three more years. The website content will be regularly adapted and updated depending on the needs of the project and the partners.

The page view of the website is 4.309 as of M18 (March 2025). The KPI of a successful website is 40,000 page views by the end of the project (M42).



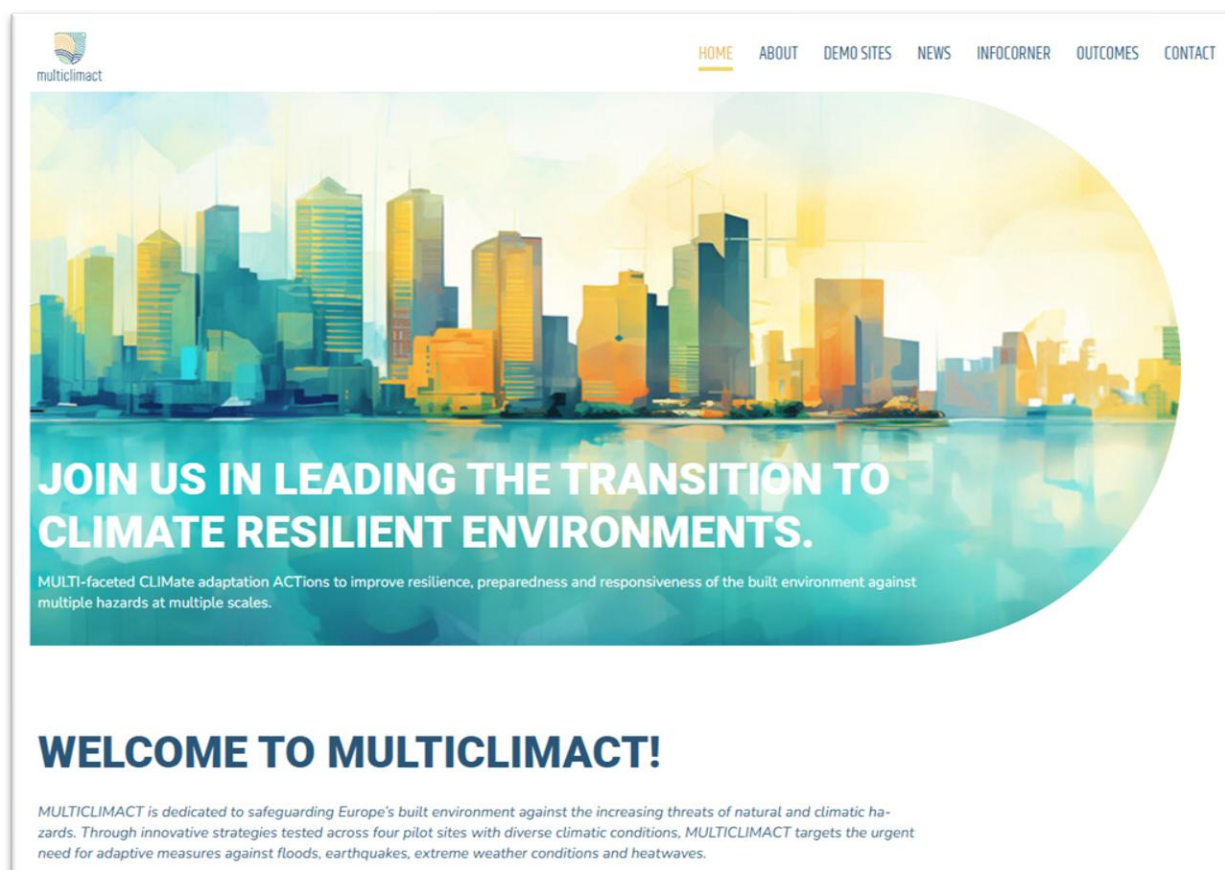


Figure 2: Homepage of the MULTICLIMACT Website as of M18 (Credits: STEINBEIS)

### 2.2.2. NEWSLETTER

The aim of the newsletter is to raise interest in the topics of MULTICLIMACT and inform subscribers about the project's activities and progress, to announce important upcoming activities, and to share external perspectives that are relevant for the project. Its content is strongly linked to the website to increase traffic.

The publicly available MULTICLIMACT e-newsletter is published quarterly or around every six months. The first issue was published in M8 and as seen in Figure 3: MULTICLIMACT Newsletter Issue 2 and Issue 3 (Credits: STEINBEIS), the second issue was published in M11 and the third issue was published in M17.

The design and content structure of the Newsletter are prepared by Steinbeis. The Newsletter includes links to the project website and social media accounts, and is composed of five sections:

1. **Editorial:** A welcoming introduction written in rotation by different project partners, offering insights and setting the tone for each edition.
2. **News from Our Cities:** Highlights of the latest developments from our demonstration sites.
3. **Blogs:** Updates on work package progress, partner news, events, news from clusters and sister projects and joint activities.
4. **Events:** A table of upcoming events and key dates.
5. **Videos:** Project videos featured here, with links to the project's YouTube channel for further viewing.



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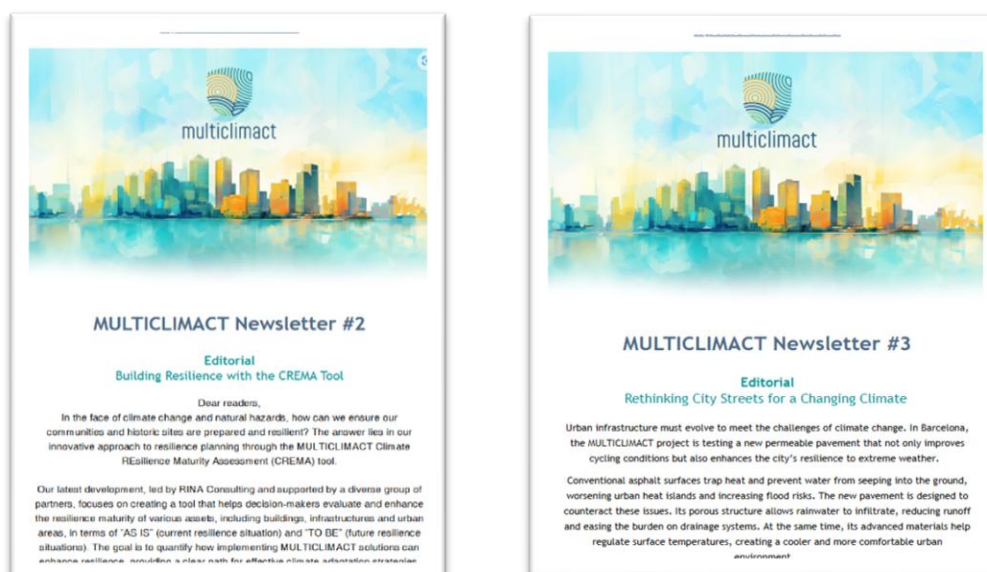


Figure 3: MULTICLIMACT Newsletter Issue 2 and Issue 3 (Credits: STEINBEIS)

The newsletters were included in the website's newsletter archive after they were sent out. A link to the Newsletter archive on MULTICLIMACT website is here: [Newsletters | MULTICLIMACT](#).

STEINBEIS is mainly responsible for coordinating, drafting, and sending out the newsletter and receive active inputs from the partners via the monthly D&C meetings or bilateral communications. Before publishing the newsletter, it is sent for review to the partners and lastly to RINA-C for approval before final publication.

The newsletter distribution list was set up by STEINBEIS according to the latest EU General Data Protection Regulations. Subscribers can subscribe and unsubscribe themselves at any time via the project website. They have to do a double opt-in and are informed in detail about what kind of information is collected, what the distribution list is used for, and how they can unsubscribe.

Overall, six newsletter issues will be published by the end of the project (M42). The number of newsletter subscribers is 110 as of M18 (March 2025). The KPI of a successful newsletter is to reach at least 300 subscribers by the end of the project.

### 2.2.3. PRESS RELEASES

Based on inputs from the D&C Team, STEINBEIS prepares general press releases to inform about important MULTICLIMACT activities, such as project events or milestones. STEINBEIS has prepared three press releases, two in the first 12 months of the project and one in the second phase. The first one focused on kick-off meeting of the project in Milan, Italy in September 2023 and the second one informed about the first General Assembly meeting of the consortium in Delft, The Netherlands in April 2024. In the second phase of the project, the press release informed about the third General Assembly meeting of the consortium in Ancona, Italy in M13. A fourth press release will be out in M19 (April 2025) following the fourth General Assembly in Bilbao, Spain. A link to the Press Release archive on MULTICLIMACT website is here: [Press Releases | MULTICLIMACT](#).

The KPI is to publish 1 to 2 press releases per year, based upon news-worthy content or activities. Overall, 6 press releases will be published by the end of the project.



### 2.2.4. BLOGS & NEWS ARTICLES

The overall management of blogs and news articles is taken over by STEINBEIS. News and blogs contain information about the project or news from partners (events, ongoing activities, milestones, etc.). These non-scientific articles inform a broad audience, relying on active inputs from partners via the D&C Team, who will contribute to the writing of the articles. As of M18 (March 2025) there are 10 news articles and 3 blogs published on our website. News and blog articles are promoted via social media channels and the MULTICLIMACT newsletter. A link to the News Articles archive on MULTICLIMACT website is here: [News | MULTICLIMACT](#).

A list of articles and blogs produced by the project consortium are given below in Table 4.

Table 4: List of news articles and blogs produced by the partners.

| #  | TITLE OF THE ARTICLE                                                                       | TYPE         | DATE               |
|----|--------------------------------------------------------------------------------------------|--------------|--------------------|
| 1  | Materials and Sensing Technologies for Building Resilience Planned at MULTICLIMACT Meeting | News article | 10. January 2024   |
| 2  | MULTICLIMACT: A Groundbreaking EU Initiative to Safeguard the Built Environment            | News article | 19. February 2024  |
| 3  | MULTICLIMACT Project Takes Centre Stage at KEY Conference                                  | News article | 28. February 2024  |
| 4  | MULTICLIMACT at the ECTP Conference 2024: Focusing on Sustainable Solutions                | News article | 7. March 2024      |
| 5  | Pioneering the Future of Built Environment Monitoring with MULTICLIMACT                    | News article | 19. June 2024      |
| 6  | Advancing Earthquake Safety with Smart Concrete Technology                                 | News article | 18. July 2024      |
| 7  | Innovative Permeable Pavements: A Sustainable Solution for Urban Roads                     | News article | 12. September 2024 |
| 8  | Planning for Resilience: MULTICLIMACT's CREMA Tool to Help Cities Adapt to Climate Change  | News article | 12. September 2024 |
| 9  | MULTICLIMACT and RETIME join Forces to Boost Climate Resilience in Cities                  | Blog         | 20. September 2024 |
| 10 | First Annual Climate Resilience Institute Meeting by CMCC Foundation                       | Blog         | 10. October 2024   |
| 11 | Driving Innovation in the Built4People Partnership                                         | Blog         | 29. November 2024  |
| 12 | Shaping Resilient Infrastructure in Camerino: Your Input Matters                           | News article | 1. February 2025   |
| 13 | Riga Central Market: Pioneering Sustainable Solutions Amidst Climate Challenges            | News article | 13. February 2025  |



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The KPI is to publish two to three news articles per month between M6-M42 and one blog article per month between M7-M42 on the MULTICLIMACT website. More articles will be published based upon availability of news updates from the D&C Team, especially from the demonstrators. By the end of the project, 108 news articles and 35 blogs will have been published.

### 2.2.5. SOCIAL MEDIA CHANNELS

STEINBEIS manages all MULTICLIMACT social media accounts, while at the same time encouraging partners to actively contribute, like and share contents as well as to get into a dialogue with various stakeholders. All partners are asked to actively engage with and invite their own networks to follow the MULTICLIMACT accounts. Local partners can translate selected posts and cross-post them to their own channels. Inputs for social media are regularly provided by the members of the D&C Team to STEINBEIS.

STEINBEIS has initiated a new social media campaign reintroducing the project objectives and newly developed digital tools that are used in demo sites to showcase the important expertise of the MULTICLIMACT and also to increase the engagement of partners. Due to the fast pace of social media trends, the selected channels will be regularly assessed, and adjustments will be made, where necessary. For now, MULTICLIMACT will focus its social media activities on LinkedIn and X, as well as YouTube for video content. All three channels are integrated into the project's website.

The KPI is to reach 750 followers on LinkedIn and 750 followers on X by the end of the project (M42).

#### 2.2.5.1. LinkedIn

The MULTICLIMACT LinkedIn account is called **@MULTICLIMACT Project** and is managed by STEINBEIS. A screenshot of the LinkedIn page is given in Figure 4 below. It is available under the following URL: <https://www.linkedin.com/company/multiclimact-project/>.

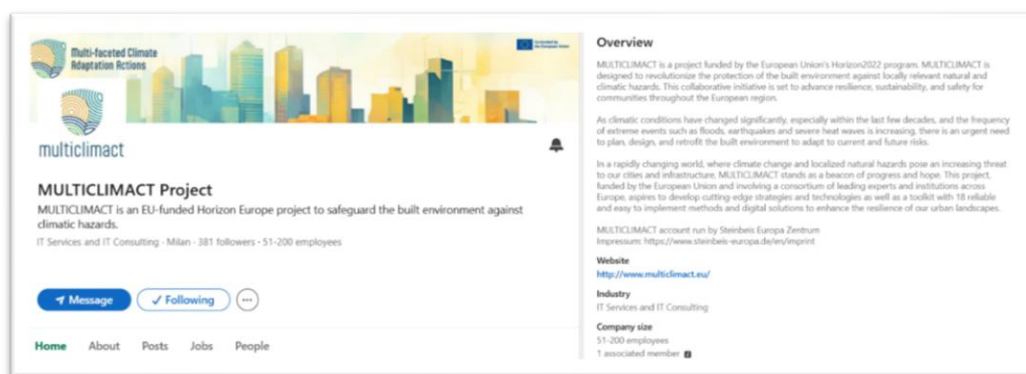


Figure 4: MULTICLIMACT LinkedIn page (Credits: STEINBEIS)

Table 5 shows the engagement statistics for the MULTICLIMACT LinkedIn account. As of M18, there are 381 followers of the project's LinkedIn account. By the end of the project, the KPI is to have about 750 followers.

Table 5: LinkedIn Engagement Statistics as of 15.03.2025

| FOLLOWERS | IMPRESSIONS | REACTIONS | COMMENTS | REPOSTS |
|-----------|-------------|-----------|----------|---------|
| 381       | 16,173      | 503       | 13       | 15      |



### 2.2.5.2. X (Former Twitter)

The MULTICLIMACT X account is called @MULTICLIMACT Project and is managed by STEINBEIS. A screenshot of the X page is given in

Figure 5. It is available under the following URL: <https://twitter.com/multiclimact>.

As of M18 (March 2025), the project has posted 45 tweets and has 39 followers on X platform. Due to the recent change in ownership of X, there has been a huge exodus from the platform and the number of active users and followers is declining. The project's social media activities will focus more on LinkedIn and YouTube. By the end of the project, the KPI is to have about 750 followers on X platform.



Figure 5: MULTICLIMACT X page (Credits: STEINBEIS)

### 2.2.5.3. YouTube

Project's YouTube channel was opened after the introductory video was created by STEINBEIS in M7. The aim of the YouTube channel is to present the video content produced by MULTICLIMACT. The MULTICLIMACT YouTube account is called @MULTICLIMACT Project and managed by STEINBEIS. It is available under the following URL: [MULTICLIMACT Project - YouTube](#).

A screenshot of the videos as they appear on project YouTube page is provided in the Figure 6 below.

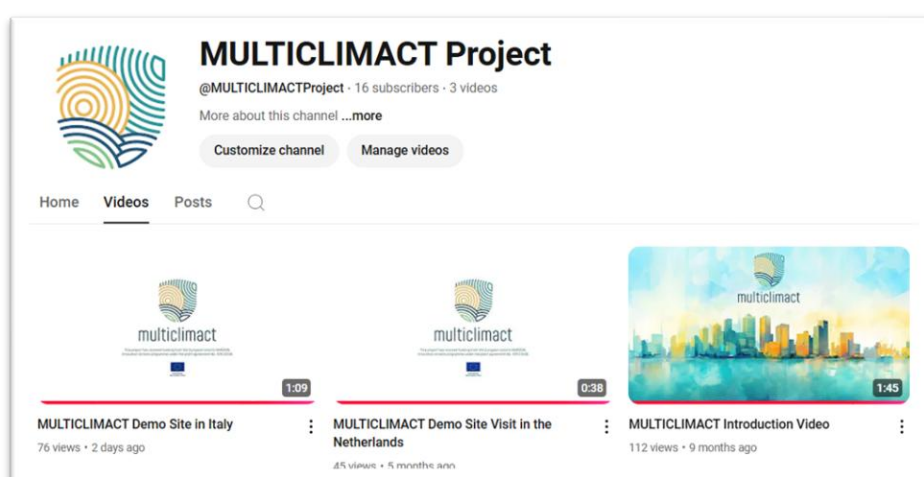


Figure 6: MULTICLIMACT videos in YouTube channel (Credits: STEINBEIS)



### 2.2.6. ROLLUP

To raise awareness and increase the visibility of MULTICLIMACT at events, a general rollup in English language was developed in M5. A version in local languages can also be designed if needed. A copy of the roll-up design is shown below in Figure 7. The rollup is designed in the official MULTICLIMACT brand identity, providing general information about the project, to be used at events or networking activities. A digital version is uploaded to the project's sharing platform and to the project website here: [Infocorner | MULTICLIMACT](#).

The KPI is to reach 10,000 people through the Flyer/Postcard & Rollup.



Figure 7: Rollup design (Credits: STEINBEIS)

### 2.2.7. FLYER/POSTCARD

To raise interest in MULTICLIMACT, a project flyer, more specifically a postcard in English, is developed in M5 to inform about the project objectives, the demonstrators, applied methods, involved partners, etc. A version in local languages can also be designed if needed.

There is a link and a QR-code leading to the website as well as the social media channels. To avoid waste where possible, the postcard will be printed on demand by the partners in need. The postcard can then be distributed at local level and at national and international events. A digital version is uploaded to the sharing platform and to the project website: [Infocorner | MULTICLIMACT](#).

A copy of the postcard design is shown below in Figure 8.

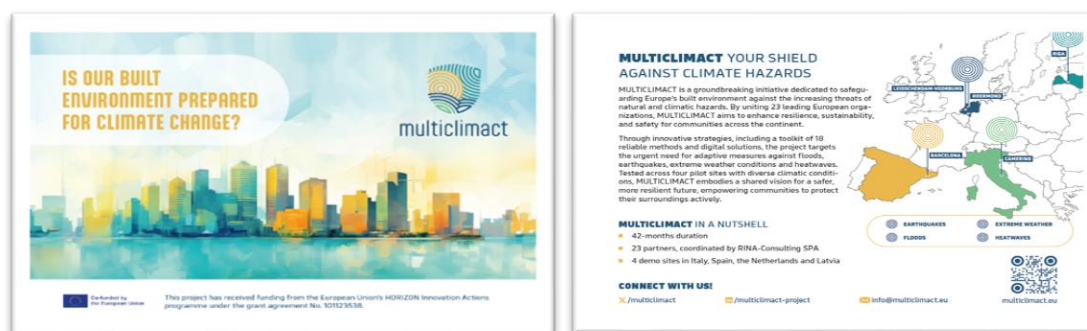


Figure 8: Postcard design (Credits: STEINBEIS)

## 2.3. DEVELOPMENT OF DETAILED D&C MATERIALS & GUIDELINES

As the project progresses and builds upon the D&C&E strategy developed in phase 1, D&C materials have gained further traction. In phase 2, the D&C strategy places greater emphasis on dissemination activities while maintaining ongoing communication efforts. Given the project's advancements, more detailed D&C materials and guidelines have become essential in this phase.

As the WP12 leader, STEINBEIS has developed various D&C materials and guidelines to support project partners. Below is a list of key D&C materials designed for use in the second phase of the project:

- Project General Presentation (Pitch presentation)
- Infographics
- Videos
- Video Editing Guideline
- Scientific Publication Guideline

### 2.3.1. PROJECT GENERAL PRESENTATION

As the WP12 leader, STEINBEIS, in collaboration with project partners—particularly the D&C Team and the project coordinator—developed the project's general presentation in M14. This presentation outlines the project's objectives, key tools, and achieved results.

An initial draft of the PowerPoint presentation was uploaded to the project's common file-sharing platform, allowing all partners to review and suggest revisions. The D&C Team and WP Leaders discussed the presentation during their meetings, and partners were regularly encouraged to provide input. Contributions were received from all demo sites, WP leaders, and scientific partners, ensuring a comprehensive and well-rounded final version.

STEINBEIS incorporated all feedback and finalized the presentation, which is now available for partners to use in external meetings, events, and conferences. This pitch presentation serves as a valuable tool for effectively communicating the project's objectives and progress. It is designed to be clear, engaging, and easily understandable for external stakeholders.

The general presentation is available on project website under INFOCORNER and on the project's common file-sharing platform. A screenshot of the general presentation is shown below in Figure 8.

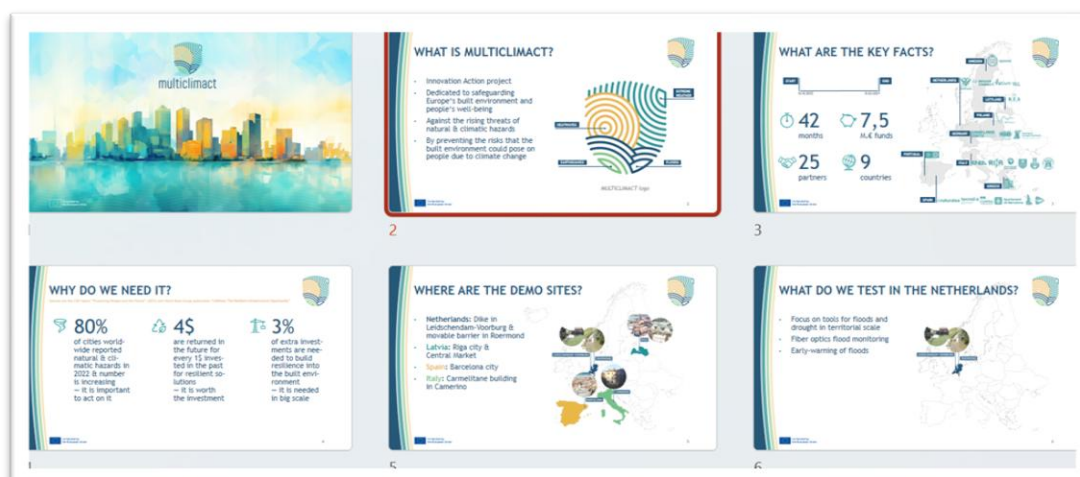


Figure 9: Thumbnails of 18-slide-long Project General Presentation (Credits: STEINBEIS)

### 2.3.2. INFOGRAPHICS

STEINBEIS is actively collaborating with project partners to develop infographics that effectively communicate MULTICLIMACT's objectives, activities, and outcomes. The initial round of meetings with partners has been completed, and STEINBEIS will now establish a structured workflow, develop a systematic approach, and set an agenda to gather input from partners for integration into the infographic.

All partners, particularly demo sites and WP leaders, are encouraged to contribute relevant information to ensure the infographics accurately represent the project's key aspects. As outlined in the grant agreement, the KPI is to produce between three and five infographics by the project's completion. The consortium is planning to produce five infographics—one providing a general overview of the project, and four highlighting the individual demonstration sites.

### 2.3.3. VIDEOS

As described in D5.4 - D&C and Exploitation plan - first phase - V2, the official project video was developed in M7 and published on the project's YouTube channel and at the project's website and cross-posted to the different social media channels. In addition to the introductory video, project partners will produce 10 to 15 mobile phone-style videos between M13 and M42. To enhance the professionalism and consistency of these videos in line with the project's corporate identity guidelines, STEINBEIS has developed a standardised "intro" and "outro" for partners to use in their productions.

In M11, the first mobile phone-style video was produced at the Netherlands demo site and subsequently published on the project's YouTube channel. It was also disseminated via the project newsletter to maximise outreach. And in M17, Camerino Demo site has produced a video, and it was published on the project's YouTube channel and on the newsletter.

As of M18 (March 2025) the number of views for the introductory video is 1.969 and views of the first two mobile phone style videos is 1.394. The KPI of the introductory video is to have about 10,000 views and 5,000 views of mobile phone style videos in total.



### 2.3.4. VIDEO EDITING GUIDELINE

To support project partners in producing high-quality video content, STEINBEIS has developed a comprehensive video editing guideline and organised a training workshop. These resources aim to simplify the video production process, ensure consistency across all project videos, and enhance the overall professionalism of partner-produced content.

The video editing guideline, introduced during the D&C Team meeting on 25 February 2025, provides step-by-step instructions on:

- Basic video editing techniques using accessible software
- Applying the project's branded "intro" and "outro" to maintain visual identity
- Improving video quality, including lighting, framing, and audio enhancement
- Optimising videos for social media and online platforms
- Best practices for storytelling and engaging audiences

The Video Editing Guideline is available on project website under [INFOCORNER](#) page and on the project's common file-sharing platform. A screenshot of the first slides of the video editing guideline is provided in below:



Figure 10: Thumbnails of 27-slide-long video editing guideline (Credits: STEINBEIS)

To further support partners, a hands-on training workshop will be held during the General Assembly on 2-3 April 2025 in Bilbao, Spain. This session will allow partners to:

- Practise editing with real project footage
- Receive expert guidance and troubleshooting support
- Learn how to tailor content for different dissemination channels

By equipping partners with these skills and tools, the workshop ensures that all project videos meet professional standards, effectively communicate key messages, and maximise outreach impact.

### 2.3.5. SCIENTIFIC PUBLICATION GUIDELINE

The MULTICLIMACT Scientific Publications Guideline, developed by STEINBEIS, provides essential guidance for project partners on publishing research outputs in compliance with Horizon Europe



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regulations. Given that publication rules have evolved since Horizon 2020, this guideline ensures that partners understand their responsibilities as researchers and adhere to the latest requirements.

The guideline covers key aspects of scientific publishing, including:

- **Open Access requirements:** All peer-reviewed publications and associated research data must be freely accessible online.
  - **EU funding acknowledgement:** All publications must explicitly mention MULTICLIMACT and its EU funding (Grant Agreement No. 101123538).
  - **Repository obligations:** Publications must be uploaded to an open-access repository, such as Zenodo, where a *MULTICLIMACT community* was created, to fulfil EU compliance.
- Licensing requirements:** Authors are encouraged to use open licences, such as CC0 or CC-BY, to maximise accessibility and reuse.

The Scientific Publications Guideline is available on project website under *INFOCORNER* page and the project's common file-sharing platform. A screenshot of the scientific publications guideline is provided in the Figure 11 below:

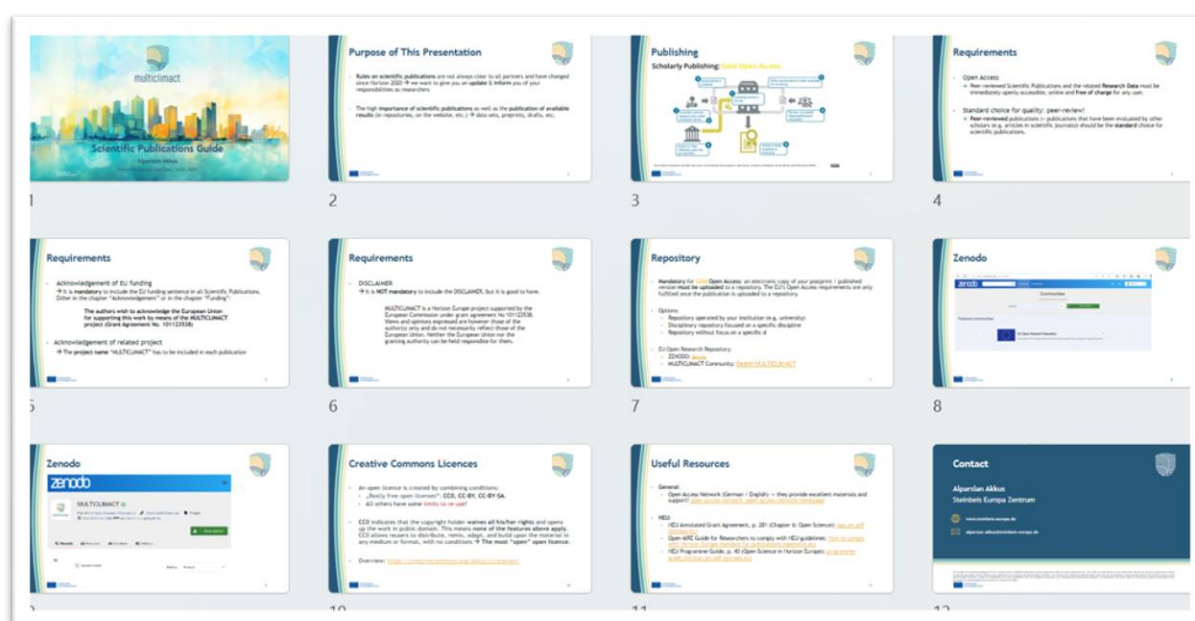


Figure 11: Thumbnails of the MULTICLIMACT Scientific Publication Guideline (Credits: STEINBEIS)

By following this guideline, scientific partners of the project ensure that their research is widely accessible, compliant with EU mandates, and properly credited within the project framework. It facilitates knowledge dissemination, increases project visibility, and contributes to scientific impact, ultimately strengthening MULTICLIMACT's role in climate research and innovation.

### 3. EVENTS

#### 3.1. PROJECT EVENTS

Over the course of the project, the demonstration sites and the technical project partners will organise around 15-20 project events, including webinars, interactive sessions and roundtables targeting local political and/or industrial stakeholders and citizens. This includes site visits/workshops organised by the demo-site partners. Site visits can be combined with a workshop to introduce the project and to discuss its achievements.

As of M18, the consortium has organised two local project events as given in Table 6. The KPI for project events is to reach around 150 local stakeholders per event. The KPI for the site visits is around 25 participants per site visit.

#### 3.2. EXTERNAL EVENTS

Participation at external events such as; Sustainability Energy week, Green Week, Sustainable Places, Urban Future, ENLIT, UNDRR EU Regional Platform, IEEE MetroLivEnv and IEEE I2MTC, ACI/CANMET conference, Smart Cities Marketplace Forum, EGU Conference, etc. is also planned.

Partners can, for example, distribute the project flyer, display the poster or roll-up banner, and present project videos or presentations—either the general overview or tailored materials focused on specific demonstration sites or technologies relevant to their work.

As of M18, the project partners have attended to 11 external events as given in Table 6. The KPI is to have active participation in approximately 25 external events.

#### 3.3. JOINT/COORDINATED EVENTS

Joint activities with related initiatives and projects are well planned in advance. Conferences such as EURESFO, COP28, or initiatives such as Built4People or projects such as RESCUEME are good examples of this type of event. Joint Activities can be workshops/webinars or any other format of local community engagement and public consultations. Joint webinars should be organised starting from M20 to M42 of the project and the topics can be chosen so as to reflect the results of different WPs. The speakers can be chosen among the project partners or from external initiatives, or similar.

All consortium partners are members of related initiatives, networks and projects and will thus support the communication of MULTICLIMACT outcomes via joint or coordinated activities. The personal connections of the consortium partners to members of other networks/initiatives are a strong asset to the project and will therefore be used actively by all partners. The aim is to share intermediate results and identify possible common paths to follow. The events will be digital and/or on-site events. The consortium have organised/attended to two joint events as shown on Table 6.

Depending on the specific type of event, the target audience may vary but focuses always on related projects and initiatives. The KPI for the Joint Events is minimum 2,000 participants in total for all activities. In the first 18 months of the project, partners have organised or attended to 15 local/regional/international events as given in the below Table 6.

Moreover, in coming months project partners are planning to join four events and to present papers:

- EGU25 (European Geosciences Union) in Vienna, Austria on 27 April - 2 May 2025.
- ECCA - European Climate Change Adaptation Conference in Rimini, Italy on 16-18 June 2025.
- EURESFO - European Urban Resilience Forum in Rotterdam, Netherlands on 25-27 June 2025.
- MetroLivEnv IEEE (Metrology for Living Environment) in Venice, Italy on 11-13 June 2025.



## D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1

Table 6: Events Organised/ Attended by Project Partners (M1-M18)

| #  | NAME OF EVENT                                   | DATE                 | PLACE             | PARTNER INSTITUTION    | PARTNER PERSON                                                           | TYPE OF EVENT  |
|----|-------------------------------------------------|----------------------|-------------------|------------------------|--------------------------------------------------------------------------|----------------|
| 1  | KEY Conference                                  | 28 February 2024     | Rimini, Italy     | RINA-C                 | Clemente Fuggini, Celina Solari, Gian Marco Revel, Gloria Cosoli         | External event |
| 2  | ECTP Conference                                 | 5 - 6 March 2024     | Brussels, Belgium | RINA-C, UPONOR, UNIVPM | Camilla Lanfranconi, Qian Wang, Gloria Cosoli                            | External event |
| 3  | NOFOMA Conference                               | 13 - 14 June 2024    | Stockholm, Sweden | KTH, ENEA              | Luca Urciuoli, Ari Prasetia                                              | External event |
| 4  | IEEE MetroLivEnv                                | 14 June 2024         | Crete, Greece     | UNIVPM, Tecniaia       | Gloria Cosoli, Gian Marco Revel, Alessandra Mobili, Diego Zamora Sanchez | External event |
| 5  | Operations Research 2024 (OR24)                 | 05 Sept. 2024        | Munich, Germany   | KTH                    | Luca Urciuoli, Ari Prasetia                                              | External event |
| 6  | CRITIS 2024                                     | 18-20 September 2024 | Rome, Italy       | ENEA                   | Antonio Di Pietro, Arianna Brutti                                        | External event |
| 7  | Sustainable Places                              | 23 Sept 2024         | Luxemburg         | RINA, Steinbeis        | Celina Solari, Charlotte Schlicke                                        | External event |
| 8  | Institute for Climate Resilience                | 30 Sept. 2024        | Lecce, Italy      | CMCC                   | Carmela Apreda, joined online                                            | External event |
| 9  | SMART CITY CONGRESS                             | 04-06 Nov 2024       | Barcelona, Spain  | BCN                    | Aurea Plumed and 200 more from BCN                                       | External event |
| 10 | ASHRAE EiB 2024                                 | 23 Nov 2024          | Athens, Greece    | NCSRD                  | Maria Gavrouzou                                                          | External event |
| 11 | Urban Flood Risk Management                     | 13 Feb 2025          | Sicily, Italy     | CMCC                   | Carmela Apreda                                                           | External event |
| 12 | European Urban Resilience Forum EURESFO         | 26 June 2024         | Valencia, Spain   | BRC                    | Nensi Lalaj                                                              | Joint event    |
| 13 | Built4People 2nd Clustering Event               | 19 Nov 2024          | Brussels, Belgium | RINA-C                 | Celina Solari                                                            | Joint event    |
| 14 | Energy Efficiency Measures at Riga Marketplaces | 19 March 2024        | Riga, Latvia      | REA                    | Nika Kotoviča                                                            | Local event    |
| 15 | European Researcher's Night                     | 27 Nov 2024          | Lecce, Italy      | ENEA                   | Antonio Di Pietro, Arianna Brutti                                        | Local event    |





## 4. PUBLICATIONS

### 4.1. SCIENTIFIC PUBLICATIONS

MULTICLIMACT academic partners started to actively disseminate their research and technical outcomes in the form of scientific publications in national and international journals identified by the consortium or as part of conference proceedings. For all scientific publications, open access feature must be guaranteed. As mentioned in the previous section, STEINBEIS has created an open platform under ZENODO to facilitate the open access feature and to keep scientific articles in a trusted repository along with the project website.

Some identified open access journals and peer-reviewed conference proceedings include, e.g., MDPI: Sustainability, Buildings, Sensors; Elsevier: Building and Environment; Sustainable Cities and Societies; Urban Planning, Water Resources research, Environmental Software and Modelling.

A detailed version of the published articles and conference papers including the DOI numbers, information regarding Open-Access features, peer-review status, funding reference and link to repository will be provided as continuous reports to the EU.

All scientific publications will be cross-published on the website with links to the open-access version. As a KPI, at least 10 to 15 scientific publications will have been published by the end of the project (M42). The project partners have published 9 scientific articles/conference papers as of M18. Five of them are available for all users in an Open Access platform and four of them not. For the non-open access conference proceedings, an author's copy will be requested to be published on the project's Zenodo community. A list of scientific articles and conference papers is given in Table 7.

Table 7: Published Scientific Articles or Conference Papers (M1-M18)

| # | TITLE OF PUBLICATION                                                                                                                                                    | AUTHOR(S)                                                                                                        | LINK TO PUBLICATION                   | OPEN ACCESS | JOURNAL / PUBLISHER / CONFERENCE                       | DATE        | WP / TASK |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|---------------------------------------|-------------|--------------------------------------------------------|-------------|-----------|
| 1 | Integration of Railway Bridge Structural Health Monitoring into the Internet of Things with a Digital Twin: A Case Study                                                | Diego Zamora-Sánchez, Alberto Armijo                                                                             | <a href="#">MDPI</a>                  | Yes         | Sensors                                                | 26.03 .2024 | WP3, T3.2 |
| 2 | Modular Real-Time Monitoring System Architecture for Materials and Technologies to Improve Urban Heat-Island Effect and Water Runoff in HE MULTICLIMACT                 | Zamora-Sánchez, Diego; Armijo, Alberto; Fernandez, Mireia; Lochner, Adrian; Jimenez, Jose Carlos; Arregi, Beñiat | <a href="#">IEEE Preprint Version</a> | Yes         | IEEE <a href="#">MetroLivEnv</a> 2024 Conference Paper | 12.06 .2024 | WP3, T3.2 |
| 3 | Measuring the occupants' well-being in the built environment: towards the integration of physiological and environmental parameters in a multidomain BIM-based platform | G. Cosoli, R. Seferi, D. Ago, M. Arnesano, M. Schweiker, R. Christoforou, M. Moayyedi, G.M. Revel                | <a href="#">IEEE</a>                  | Yes         | IEEE <a href="#">MetroLivEnv</a> 2024 Conference Paper | 12.06 .2024 | WP4, T4.2 |
| 4 | Advancing Resilience of the Built Environment by Digital and Measurement Technologies                                                                                   | Lanfranchi Camilla, Fuggini Clemente, Cosoli Gloria, Revel Gian Marco, Kontogeorgos Miltiadis                    | <a href="#">IEEE</a>                  | Yes         | IEEE <a href="#">MetroLivEnv</a> 2024 Conference       | 12.06 .2024 | WP4, T4.2 |



## D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1

|   |                                                                                                                                                                         |                                                                                                                                                                                            |                        |     |                              |            |           |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|-----|------------------------------|------------|-----------|
| 5 | A systematic perspective of supply chain and built environment resilience - Unravelling biorectional stressors and dynamic feedback loops                               | Luca Urciuoli, Ari Carisza Graha Praselia, Carmela Apreda, Guglielmo Ricciardi, Maria Gavrouzou, Mireia Fernandez Nualart & Athanasios Sfetsos                                             | <u>NOFOMA</u>          | No  | 36th NOFOMA Conference Paper | 13.06.2024 | WP3, T3.3 |
| 6 | Integrating Resilience in Dependent Infrastructures within the Urban Built Environment: A methodological review of methods and tools with focus on road infrastructures | Antonio Di Pietro, Clemente Fuggini, Miltiadis Kontogeorgos, Camilla Lanfranconi, Luca Urciuoli & Ari Praselia                                                                             | <u>NOFOMA</u>          | No  | 36th NOFOMA Conference Paper | 13.06.2024 | WP3, T3.3 |
| 7 | A Decision Support System for the Damage and Urban Resilience Assessment of Natural Events                                                                              | Antonio Di Pietro, Sonia Giovinnazzi, Valeria Leggieri, Michele Morici, Chiara Ormando, Alfredo Reder and Giordano Vicoli                                                                  | <u>Springer Nature</u> | No  | CRITIS Conference Paper      | 18.09.2024 | WP4, T4.6 |
| 8 | Urban Data Governance: an interoperability-based approach for monitoring natural threats at different geographic scales, through Smart City Platforms                   | Arianna Brutti, Antonio Di Pietro, Angelo Frascella, Sonia Giovinnazzi, Cristiano Novelli, Ane Ferreira Sistiaga, Saúl Buitrago, Iñigo Lopez-Villamor, Simone Murazzo and Gian Marco Revel | <u>Springer Nature</u> | No  | CRITIS Conference Paper      | 18.09.2024 | WP4, T4.6 |
| 9 | Energy and Water Interventions That Contribute to the Climate-Proofing of Buildings on Multiple Scales: A Literature Review                                             | Maria Gavrouzou, Carmela Apreda, Eva Raggi, Marta Rivarola, Nensi Lalaj, Diamando Vlachogiannis and Athanasios Sfetsos                                                                     | <u>MDPI</u>            | Yes | Buildings 14, Issue 11       | 27.10.2024 | WP2, T2.4 |

## 4.2. GENERAL PUBLICATIONS

In addition to scientific publications, several, more general technical publications are continuously being developed and published in printed or online industrial and technical journals about urban planning, targeting various stakeholder groups, thus going beyond the academic community. In the first 18 months of the project, 19 general articles were published in various mediums as given in Table 8. All general publications will be linked at the website. As a KPI, at least 5 general publications will be published by the end of the project (M42).

Table 8: General Publications (M1-M18)

| # | NAME OF PUBLISHED ARTICLE                                                                           | DATE OF PUBLICATION | LINK                                                                                                                                         |
|---|-----------------------------------------------------------------------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| 1 | Progetto "MULTICLIMACT": Unicom Partecipa Ad Un Progetto Europeo Per Costruzioni E Città Più Sicure | 12 June 2023        | <a href="#">Progetto "MULTICLIMACT": Unicom partecipa ad un progetto europeo per costruzioni e città più sicure   Università di Camerino</a> |
| 2 | Cambiamenti Climatici, Unicom Nel Progetto Europeo Per Costruzioni E Città Più Sicure               | 12 June 2023        | <a href="#">Cambiamenti climatici, Unicom nel progetto europeo per costruzioni e città più sicure   Cronache Maceratesi</a>                  |





## D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1

|    |                                                                                                                                              |                  |                                                                                                                                                                                                                                                                         |
|----|----------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3  | "MULTICLIMACT", Unicom Per Città Più Sicure                                                                                                  | 14 June 2023     | <a href="#">"Multiclimact", Unicom per città più sicure</a>                                                                                                                                                                                                             |
| 4  | Barcelona prova per primer cop un nou paviment drenant al carril bici del carrer Jordi Girona, al districte de les Corts                     | 08 October 2023  | <a href="#">Barcelona prova per primer cop un nou paviment drenant al carril bici del carrer Jordi Girona, al districte de les Corts : Servei de Premsa</a>                                                                                                             |
| 5  | New drainage paving tested in the bike lane in Carrer Jordi Girona                                                                           | 08 October 2023  | <a href="#">New drainage paving tested in the bike lane in Carrer Jordi Girona   Urban Planning, Ecological Transition, Urban Services and Housing</a>                                                                                                                  |
| 6  | "European Initiative to Safeguard the Built Environment Against Local Natural and Climatic Hazards has started"                              | 10 October 2023  | <a href="#">European Initiative to Safeguard the Built Environment Against Local Natural and Climatic Hazards has started (idw-online.de)</a>                                                                                                                           |
| 7  | Anche Unicom Partner del Progetto MULTICLIMACT: Una Iniziativa della Comunità Europea per Rendere le Nostre Città Più Sicure                 | 23 October 2023  | <a href="#">Anche Unicom partner del progetto MULTICLIMACT: una iniziativa della comunità europea per rendere le nostre città più sicure   Università di Camerino</a>                                                                                                   |
| 8  | MULTICLIMACT: A European initiative to protect built environment against natural and climate threats                                         | 01 November 2023 | <a href="#">MULTICLIMACT: A European initiative to protect built environment against natural and climate threats   KTH</a>                                                                                                                                              |
| 9  | Introducing MULTICLIMACT: A Groundbreaking European Initiative to Safeguard the Built Environment Against Local Natural and Climatic Hazards | 03 November 2023 | <a href="#">Introducing MULTICLIMACT: A Groundbreaking European Initiative to Safeguard the Built Environment Against Local Natural and Climatic Hazards</a>                                                                                                            |
| 10 | Safeguarding The Built Environment Against Locally Relevant Natural And Climatic Hazards                                                     | 10 November 2023 | <a href="#">Press release: Safeguarding the built environment against locally relevant natural and climatic hazards</a>                                                                                                                                                 |
| 11 | "Europäische Initiative zum Schutz der bebauten Umwelt"                                                                                      | 07 December 2023 | <a href="https://issuu.com/bauemotion/docs/ejournal_160_januar_1_2024/?fr=xIAEoAT3NTU1QiFDQEBAbhAP1wJuashC0sGJU1sDwRAP1wLIFqY6Bm4KbTo">https://issuu.com/bauemotion/docs/ejournal_160_januar_1_2024/?fr=xIAEoAT3NTU1QiFDQEBAbhAP1wJuashC0sGJU1sDwRAP1wLIFqY6Bm4KbTo</a> |
| 12 | BUILT4PEOPLE partnership: shaping a sustainable Europe's built environment                                                                   | 23 January 2024  | <a href="#">BUILT4PEOPLE partnership: shaping a sustainable Europe's built environment - RINA.org</a>                                                                                                                                                                   |
| 13 | Europe investigates how to improve the resilience of buildings, urban areas and territories against climate change                           | 25 January 2024  | <a href="#">Europe investigates how to improve the resilience of buildings, urban areas and territories against climate change - CYPE</a>                                                                                                                               |
| 14 | Comencen les obres per instal·lar un nou paviment drenant al carril bici del carrer Jordi Girona, al districte de les Corts                  | 27 January 2024  | <a href="#">Comencen les obres per instal·lar un nou paviment drenant al carril bici del carrer Jordi Girona, al districte de les Corts : Servei de Premsa</a>                                                                                                          |
| 15 | fibrisTerre joins Multiclimat project                                                                                                        | 14 March 2024    | <a href="#">fibrisTerre joins Multiclimat project   fibrisTerre</a>                                                                                                                                                                                                     |
| 16 | Finalitzen les obres d'instal·lació d'un nou paviment drenant al carril bici del carrer Jordi Girona, al districte de les Corts              | 21 May 2024      | <a href="#">Finalitzen les obres d'instal·lació d'un nou paviment drenant al carril bici del carrer Jordi Girona, al districte de les Corts : Servei de Premsa</a>                                                                                                      |
| 17 | "Advanced dike systems designed to protect against extreme floods and high water events"                                                     | 07 May 2024      | <a href="#">Advanced dike systems designed to protect against extreme floods and high water events (idw-online.de)</a>                                                                                                                                                  |
| 18 | MULTICLIMACT Holds 3rd General Assembly in Ancona, Italy                                                                                     | 24 October 2024  | <a href="#">MULTICLIMACT Holds 3rd General Assembly in Ancona, Italy - Climate Research Group of Environmental Research Laboratory (C-EREL)</a>                                                                                                                         |
| 19 | THE CLIMATE RESILIENCE CLUSTER   Opinion Article MULTICLIMACT                                                                                | 1 February 2025  | <a href="https://resilience.eu/wp-content/uploads/2025/02/Opinion-Article-MULTICLIMACT-2.pdf">https://resilience.eu/wp-content/uploads/2025/02/Opinion-Article-MULTICLIMACT-2.pdf</a>                                                                                   |



### 4.3. BEST PRACTICES BOOKLET

Best Practices Booklet will be prepared at the end of the project in M40 to M42. It will be published in both digital & printed format. The Best Practices Booklet will present the main project results at the end of the project. Target Group of this publication is: Public administration, AECO companies, academia, Policy Makers, Citizens, Investors, Media, and also related projects. Language: English. The KPI of the Best Practices Booklet is to reach at least 500 audience.

### 4.4. INFORMATION MATERIAL FOR KER

An information material outlining the key exploitable results (KER) and with respect to the objectives/challenges will be planned. The KPI for the Information Material is the number of audiences reached through downloaded info sheets, distributed flyers at brokerage events etc. would be approximately 1,000.



## 5. FUTURE PLANNING

This deliverable (D12.1) focuses on the activities performed and planned within WP12 during the second phase of the project, spanning from M13 to M30. It will be updated at the end of this period (M30, D12.5 - Dissemination and Communication Report and Planning – Second Phase – V2). D12.5 will include detailed future plans for WP16 in the third phase, covering M31 until the project's conclusion in M42. However, the current D12.1 provides a general overview of dissemination and communication (D&C) activities planned until the project's completion.

As previously stated, WP12 has placed greater emphasis on dissemination activities while maintaining a steady pace of communication efforts. STEINBEIS, as WP12 leader, has developed an Editorial Calendar, as seen in the screenshot in Figure 12 to coordinate partner contributions, setting clear timelines and assigning responsibilities for D&C activities. This calendar primarily schedules the inputs required for infographics, publication of newsletters, and mobile phone-style videos. The Editorial Calendar is uploaded to project's common Sharepoint where all partners have access to.

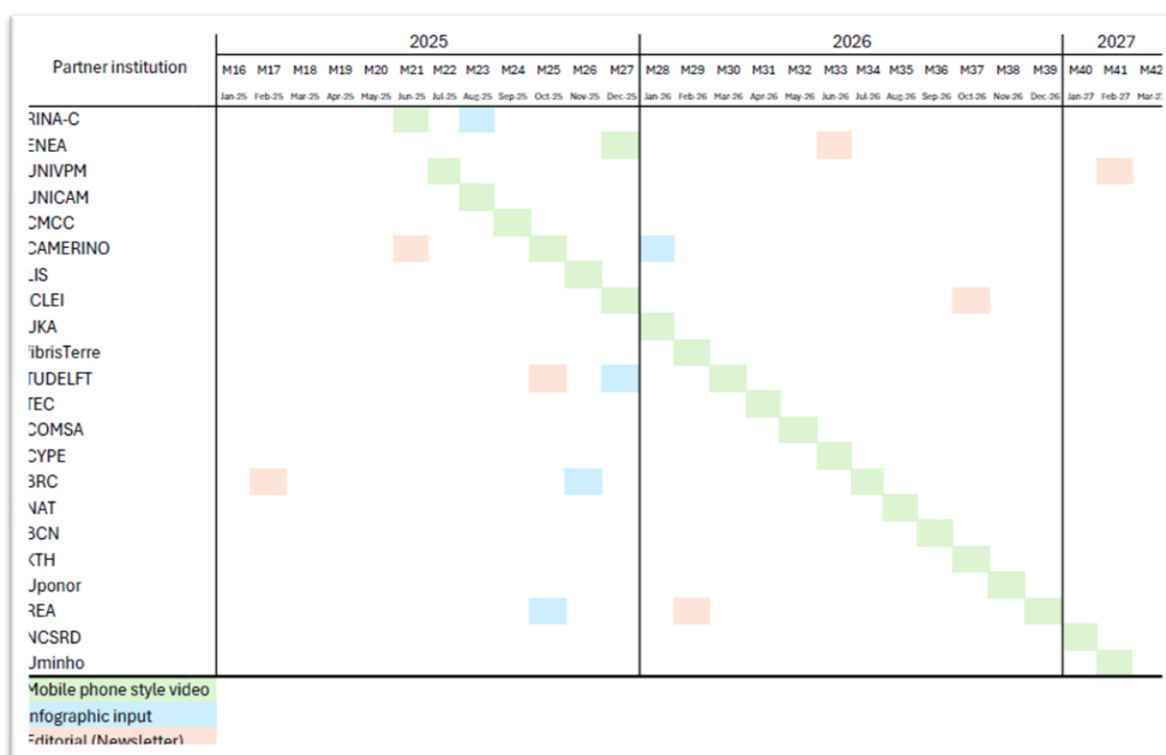


Figure 12: Screenshot for the Editorial Calendar

### Infographics

To date, the consortium has produced three infographics, as presented in the pitch materials. An additional five infographics are planned: one offering a general overview of the project and four focused on individual demonstration sites. Between M23 and M30, input will be gathered monthly from each demo site, the project coordinator, and voluntary WP leaders. Based on these contributions, five infographics will be created within this phase.



## D12.1 - Dissemination and Communication Report and Planning – Second Phase – V1

### Newsletters

According to the editorial calendar, six more newsletters are scheduled for publication by M42, bringing the total number of newsletters released over the course of the project to nine. As outlined in the project's D&C strategy, newsletters are prepared in collaboration with partners to ensure an inclusive approach. The schedule for upcoming editions is already in place, with designated partners assigned to provide editorial contributions. Between M21 and M41, six newsletters will be produced with input from consortium members. The screenshot shown in Figure 13 presents the editorial calendar used for planning past and future editions of the newsletter and identifies the responsible partners for each section.

|                  | ISSUE 1<br>Apr-24     |           | ISSUE 2<br>Sep-24      |                 | ISSUE 3<br>Feb-25             |           | ISSUE 4<br>Jun-25 |             | ISSUE 5<br>Oct-25 |             | ISSUE 6<br>Feb-26 |             | ISSUE 7<br>Jun-26 |             | ISSUE 8<br>Oct-26 |             | ISSUE 9<br>Feb-27 |             |
|------------------|-----------------------|-----------|------------------------|-----------------|-------------------------------|-----------|-------------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|-------------|-------------------|-------------|
|                  | Task                  | Partner   | Task                   | Partner         | Task                          | Partner   | Task              | Partner     | Task              | Partner     | Task              | Partner     | Task              | Partner     | Task              | Partner     | Task              | Partner     |
| EDITORIAL        | Welcome               | Steinbeis | Coordination           | RINA-C          | Rethinking City Street BRC    |           | CAMERINO          |             | TUDELFT           |             | RIGA              |             | ENEA              |             | ICLIE             |             | UNIVPM            |             |
| NEWS FROM CITIES | What's a demo site?   | Steinbeis | Porous pavements       | Barcelona       | Winter data                   | Riga      | Barcelona         | Netherlands | Barcelona         | Netherlands | Barcelona         | Netherlands | Barcelona         | Netherlands | Barcelona         | Netherlands | Barcelona         | Netherlands |
|                  |                       |           | PM Delft press release | The Netherlands | Experimentation with Camerino | Camerino  |                   |             |                   |             |                   |             |                   |             |                   |             |                   |             |
| BLOGS            | Materials and sensing | Camerino  | CREMA tool             | RINA-C          | Built4People                  | RINA      |                   |             |                   |             |                   |             |                   |             |                   |             |                   |             |
|                  | KEY conference        | UNIVPM    | MetroLiv               | UNIVPM          | CRI meeting                   | CMCC      |                   |             |                   |             |                   |             |                   |             |                   |             |                   |             |
|                  |                       |           | ECTP Conference        | RINA-C          | RETIME cooperation            | Steinbeis |                   |             |                   |             |                   |             |                   |             |                   |             |                   |             |
|                  |                       |           | Theo                   | UPONOR          | Clustering Activities         | ICLIE     |                   |             |                   |             |                   |             |                   |             |                   |             |                   |             |
| EVENTS           | upcoming events       | Steinbeis | upcoming events        | Steinbeis       | upcoming events               | Steinbeis | Steinbeis         |             | Steinbeis         |             | Steinbeis         |             | Steinbeis         |             | Steinbeis         |             | Steinbeis         |             |
| VIDEO            | Introduction video    | Steinbeis | Collare from Nether    | Steinbeis       | Camerino demo site            | Camerino  | RINA              |             | ENEA              |             | LIS               |             | Netherlands       | TUDELFT     | Barcelona de BRC  |             | Rina demo site    | REA         |

Figure 13: Screenshot of the editorial calendar for Newsletter

### Mobile Phone-Style Videos

The editorial calendar in Figure 12 also defines the timeline and responsibilities for the production of mobile phone-style videos. From M21 to M41, each partner—particularly demo sites and WP leaders—will contribute to video production. In addition to the introductory video, between M13 and M42, project partners will create 10 to 15 mobile phone-style videos.

### Web Presence and Outreach

During phase two, the project aims to develop MULTICLIMACT subpages hosted on partner institutions' websites. These pages will be available in English, local languages, or both, depending on the institution.

The consortium also plans to increase its participation in international conferences in the second phase, presenting MULTICLIMACT solutions in academic forums. Additionally, the number of scientific and general publications is expected to rise.

- By the end of the project (M42), at least 10 to 15 scientific publications will have been published.
- At least five general publications will be released within the same timeframe.
- A Best Practices Booklet will be developed between M40 and M42.
- An information material summarising key exploitable results and addressing project objectives and challenges will also be prepared.

These initiatives will ensure that the project's impact extends beyond its duration, contributing to broader scientific and policy discussions in the field.



## 6. CONCLUSION AND OUTLOOK

This deliverable (D12.1) has provided a comprehensive overview of the dissemination and communication (D&C) achievements within the second phase of the MULTICLIMACT project, spanning from M13 to M18, and the outlook to M30. It has outlined the continuation of D&C team meetings, the maintenance and development of key communication channels and materials, participation in events, and the progress made in scientific and general publications. These efforts have been instrumental in enhancing the visibility and impact of MULTICLIMACT's activities, fostering collaboration among partners, and engaging both scientific and general audiences.

A key takeaway from this phase has been the strategic expansion of dissemination tools and approaches. The continued use of newsletters, social media, infographics, and video materials has strengthened outreach, while increased participation in external events and conferences has provided valuable platforms to present project insights. Additionally, the structured editorial calendar has played a vital role in ensuring consistent and well-coordinated communication efforts across the consortium.

Looking ahead, the next phase of the project (M31-M42) will focus on further amplifying the impact of D&C activities, building upon the foundation established in this phase. The creation of additional infographics, newsletters, and mobile phone-style videos will continue to ensure wide dissemination of project outcomes. The planned development of MULTICLIMACT subpages on partner institution websites, available in English and local languages, will further enhance accessibility and engagement with target audiences.

Moreover, an emphasis will be placed on increasing scientific and general publications, with the target of at least 10-15 scientific papers and five general publications by M42. The Best Practices Booklet and information materials on key exploitable results will serve as essential resources for ensuring that MULTICLIMACT's findings and methodologies are effectively communicated beyond the project's lifetime.

As the project moves into its final phase, a continued commitment to knowledge-sharing and engagement will be essential for maximising MULTICLIMACT's long-term impact. The insights gained from dissemination activities thus far will inform the refinement of strategies to ensure that the project's outcomes reach a broad spectrum of stakeholders, including policymakers, researchers, industry leaders, and the general public.

The final update of this deliverable (D12.5) at M30 will provide a detailed assessment of the second-phase outcomes and lay the groundwork for the final dissemination strategy leading up to M42. In the third and final phase (M31-M42), D16.1 - Dissemination and Communication Final Report will present the most up-to-date figures, offering a comprehensive evaluation of the project's overall impact and outreach efforts.

By maintaining a dynamic and proactive approach to D&C, MULTICLIMACT will ensure that its solutions, findings, and best practices continue to drive meaningful change in climate adaptation and mitigation efforts across Europe and beyond.

