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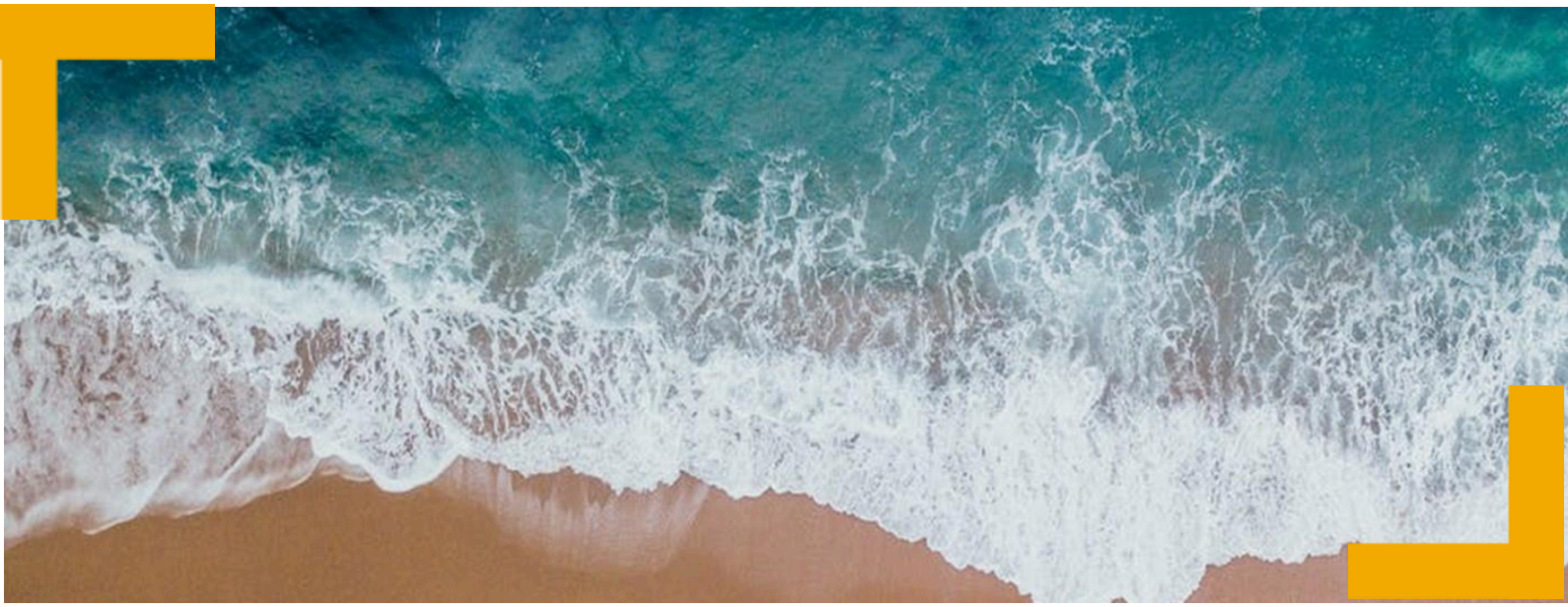

December 2025

CONTRIBUTION TO THE AMPLIFICATION STRATEGY

Deliverable D.3.4.3

https://medsearise.interreg-euro-med.eu/

ANAT LIKI | ARPA FVG | CCI NICE CÔTE D'AZUR | UCG 1974 | Cambra de Comerç de Barcelona | L-Università ta' Malta

Deliverable ID

Project acronym	MedSeaRise
Project title	Supporting Adaptation to Mediterranean Sea Level Rise
Project mission	Protecting, restoring and valorising the natural environment and heritage
Project priority	Greener MED
Specific objective	RSO2.4 Promoting climate change adaptation and disaster risk prevention, resilience, taking into account eco-system based approaches
Type of project	Study project (Thematic Project)
Project duration	01/01/2024 – 31/03/2026 (27 months)

Deliverable title	Contribution to the Amplification Strategy
Deliverable number	D.3.4.3
Deliverable type	Report
Work package number	3
Work package title	Methodology validation, capacity building and amplification
Activity name	Internal information flow, results amplification and capitalization of experience
Activity number	3.4
Partner in charge (author)	CCINCA
Partners involved	ANATOLIKI S.A., ARPA FVG , CCINCA, UoM-IBMK, BCC, UM

Document history

Versions	Date	Document status	Delivered by
Version 0.1	24/01/25	Draft	PP2
Version 1.0	31/12/25	Final	PP2

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Abbreviations

ANATOLIKI	Organisation for Local Development, Anatoliki S.A. – Project Partner - LP1
ARPA FVG	Regional Environmental Agency of Friuli Venezia Giulia Region- Project Partner - PP2
CCINCA	Chamber of Commerce and Industry Nice Côte d'Azur - Project Partner - PP3
UoM-IMBK	Public institution University of Montenegro - Institute of Marine Biology - Project Partner - PP4
BCC	Barcelona Chamber of Commerce - Project Partner - PP5
UM	University of Malta - Department of Geosciences- Project Partner - PP6
PP	A Project Partner, in general. Nobody specifically indicated
PPs	All Project Partners
D.2.3.1	Project deliverable 2.3.1: Benchmarks on evaluation of sea level rise anthropic impacts risk assessment
D.2.3.2	Project deliverable 2.3.2: Benchmarks on evaluation of sea level rise ecosystem impacts risk assessment
D.2.4.1	Project deliverable 2.4.1: Methodology and the best practices
D.3.4.1	Project deliverable 3.4.1: White Paper
D.3.4.2	Project deliverable 3.4.2: Green Paper
WP1	Work Package 1 of the MedSeaRise project - Information retrieval, data input and stakeholder awareness
WP2	Work Package 2 of the MedSeaRise project - Information analyses, methodology development and tools generation
WP3	Work Package 3 of the MedSeaRise project - Methodology validation, capacity building and amplification
Output 2.1	Project output 2.1: Methodology for an effective use of sea level rise scenarios in climate change impact risks assessment
GWL	Global Warming Level

This is a deliverable of the MedSeaRise project. The project contributes to the Natural Heritage mission of the Euro-MED Programme and it belongs to the Study Project class.

The document summarizes the work done in the frame of the project activity 3.4, describing how the project partners have maintained the coordination along with the flow of data and information generated during the project implementation, to the end of sharing and promoting the project results towards the public.

Furthermore, here are reported the activities and the project outcomes that have been proposed for their amplification across the Euro-MED cooperation area and beyond. That was possible thanks to the continuous interaction between MedSeaRise and the Governance Projects, namely the Thematic Community Project (TCP) and Institutional Dialogue Project (IDP).

Whenever required, an annexe is used to add further details to the description together with references to the other project deliverables.

Internal and external information flows

Information flow of the activities across the work packages.

MedSeaRise has considered essential, the coordination among all the project activities to achieve successfully all the project goals.

The flow of information across the partnership was constant and coordinate by the WP leaders, namely:

- WP1 Leader: PP2 (ARPA FVG) .
- WP2 Leader: PP6 (UM)
- WP3 Leader: PP3 (CCINCA)

and the overall supervision of the LP1 (ANATOLIKI S.A.).

Besides the usage of the e-mails, that we can consider to have been a default, at least weekly way to interact, the Basecamp [1.1] services gave the opportunity to broadcast information to the whole partnership, besides to let all PPs aware of the activities progress and deliverable achievements. See annex 4.

The project implementation has benefited by many video calls, that is remote meeting among PPs, but partners had the opportunity to meet in person four times and a last one is scheduled close to the project end.

Those plenary meetings, besides to make the discussions and decision making easier, especially on key aspects of the project implementation, have reinforced the reciprocal knowledge among the partners.

The comprehensive result of the MedSeaRise internal information flow is the strong logical connection between project deliverables and the consolidation of the partnership. This latter aspect keeps the added value produced by project activities in the partnership beyond the project end. In fact, in the Euro-MED cooperation area new connection channels have been developed, which enrich the network of entities and people operating in the Mediterranean basin.

In the future, on those connections collaborations are expected to be born to face common issues, exploiting already well developed institutional activities, besides partnerships aimed at collecting the economical and human resources required to be engaged in bigger challenges.

Information flow towards the public.

The results achieved in the frame of the MedSeaRise had always a counterpart of communication outside the project partnership. The project has developed a communication plan since the beginning and it was implemented continuously through news published on the project website and on a periodical newsletter, by means of posts on socials.

Relevant was also the participation in public events and the organization of info days, presenting the project and reporting the progress of the achievements. For each of those initiatives the proper language and level of technicalities was adopted, with the goal to transfer the concepts to the and audience wider as possible

Since the goals of MedSeaRise are based on a strong scientific background, the project communication activity was conducted towards high scientific and technical communities too. In fact, some partners brought the project results to international scientific conferences, thus reaching the scientific community.

In this deliverable, details on the project communication actions meant to reach audiences outside the partnership are not reported. For further information, the specific reports on the project communication actions are available.

Amplification of project outcomes

Interactions with the Governance Projects (IDP and TCP)

The project MedSeaRise has considered the opportunity to interact with the Governance Projects, one of the pillars on which to base the amplification of the outputs. All the PPs have been involved in a relevant series of tasks that have been carried out since the first phase of the project implementation. In fact, the deliverable D.1.3.1 is specifically dedicated to the definition of project contribution to Amplification Strategy.

The Community4Nature reference person for Thematic Community Project (TCP) and Institutional Dialogue Project (IDP) served as the essential link between the Governance Projects and MedSeaRise. Furthermore, the project has appointed an internal Results Amplification coordinator.

During the first four periods of the project, there were several meetings between the Community4Nature reference person and the project partnership. In particular, she was always present in the plenary project meetings and these participations have supported a lot the roadmap for the amplification of MedSeaRise outputs.

In addition there have also been three specific online meetings involving the MedSeaRise partnership and a wide representation of the NHM Governance projects. Those meetings took place in: April 2024; March 2025; May 2025

MedSeaRise was also present in the main events organized by the Community4Nature to support the interaction among the thematic projects. That is:

- The 1st Mission for Natural Heritage Institutional Dialogue, on November 2024,
- The 2nd Mission for Natural Heritage Institutional Dialogue, on November 2024,
- Natural Heritage Mission & Thematic Projects common meeting, on July 2025

The analysis conducted by Community4Nature on the MedSeaRise deliverables and outputs resulted in the identification of some project outcomes. So the project was stimulated to submit the details on those project results to the Community4Nature Adaptive Resource Collection form.

There are three specific project results that have been considered for further amplification. They are:

- Output 2.1 – “Methodology for an effective use of sea level rise scenarios in climate change impact risk assessment”;
- D.2.1.2 – “Datasets and documentation supporting the methodology and the best practices”;
- D.3.4.1 – “White paper”

Project deliverables, outputs and the Amplification Room.

Introduction

Thanks to the continuous exchange of ideas between the MedSeaRise partnership and the Community4Nature (C4N), project activity 3.4 has produced a list of activities considered suitable for the amplification. Those activities are among the possible contributions to the objectives identified by Natural Heritage Mission (NHM) Amplification Room (AR).

PPs have distilled this proposal after a set of fruitful discussions they had during the MedSeaRise project lifespan. Namely, the seminal online bilateral meeting of project partnership with NHM team on 26 March 2025, the all PPs meetings hold in Malta, on 01-02 April 2025, and in Barcelona, on 02-03 October 2025, in which the NHM reference person participated too, in addition to other video calls and e-mail exchanges all aimed to contribute to the NHM general objectives, by exploiting the opportunities coming from the AR.

MedSeaRise proposal includes the main project output and a set of deliverables for a peer review analysis for the next transferability and hopefully to be included in the NHM catalogues and the JS Library. The elements of the proposal are listed here below with some comments and suggestions on which review process is assumed to be suitable for that and when the subject of the review is foreseen to be ready to start the review. Finally, the list of MedSeaRise PPs that are considered essential to bring the project result ready for peer review and consequent improvements, if any.

The Methodology - D.2.4.1 project - output O 2.1

D.2.4.1 which is also the main output (**O 2.1**), namely the Methodology for an effective use of sea level rise scenarios in climate change impacts risk assessment.

It is a methodology to retrieve data on sea level future scenarios and to use them as inputs in the risk assessment procedures, to evaluate the sensitivity of climate change coastal impacts from the uncertainty affecting the inputs. The methodology is suitable for both classes of impacts, those threatening anthropic activities and those ecosystems, and it is completed by benchmarks helping the users in its application and to the results comparison. It is specifically meant for the Mediterranean.

It is a **document** with related **data files** on sea level future scenarios and sea tide variations

Suggested review processes

For this product the suggested review processes are:

- Review of the document content, logic and coherence in the frame of one of more **thematic clusters**.
- Review of the data files content, format, metadata completeness and degree of usability through common available software and applications. The review process may be conducted in a **thematic cluster**, through a dedicated topic in the **NHM Forum**, by means of a questionnaire submitted to the NHM thematic projects and people considered to have interest in sea level rise issues. To propose data files for inclusion in **T-MEDNet** services

Tentative timeline for product availability

The deliverable 2.4.1 is expected to be issued at the end of the 4th project period, according to the project time line. Anyway, to let the reviewers have enough time to work on it, MedSeaRise is going to issue a first **draft** on the deliverable, document and data, by **01/08/2025**, leaving the **final**, maybe including the improvements advised by reviewer, at the deadline set in the application form (**31/12/2025**).

PPs mainly involved

To generate the **draft document** of deliverable 2.4.1, suitable for review, the most of the effort is required to: **PP2** - ARPA FVG, **PP4** - UoM-IBMK, **PP6** - -UM.

To generate the **data files** of deliverable 2.4.1, suitable for review, the involved PPs are: **PP2** - ARPA FVG, **PP6** - -UM.

To achieve the final version of the document of deliverable 2.4.1, the effort is required to all PPs: **LP1** - ANATOLIKI S.A., **PP2** - ARPA FVG, **PP3** - CCINCA, **PP4** - UoM-IBMK, **PP5** - BCC, **PP6** - -UM.

Benchmarks for anthropic impacts - D.2.3.1

We define a benchmark as a standard example of risk assessment for an impact, real or ideal, due to the increase of the sea level rise, that has to be considered as a tool for the evaluation and comparison of the risk sensitivity from the input data on the sea level trends, according to a specific metric.

MedSeaRise deliverable **D.2.3.1**, benchmarks on evaluation of sea level rise anthropic impacts risk assessment, is composed by a set of documents on benchmarks presentation and demos describing the sea level rise trends data usage in the benchmark. Documents are supported by data files suitable to reproduce the benchmark. Documents include comments and advice on how to use benchmark results for their comparison with further applications of the methodology (D.2.4.1) to cases of impacts of sea level rise hazard on anthropic activities.

It is a set of **documents** with related **data files** one for each benchmark.

Suggested review processes

For this product the suggested review processes are:

- Review of the document content and the linearity and the clearness of data usage description. The **thematic clusters** are considered the suitable environment for the benchmark discussion. Furthermore, the **stakeholders** and **associated partners** of selected NHM Thematic Projects, dealing with climate change impacts on anthropic activities, may be involved in expressing their comments.
- Review of the data files content, format, metadata completeness and degree of usability through common available software to reproduce the benchmark. and applications. The **thematic clusters** are considered the suitable environment plus the **stakeholders** and **associated partners** of selected NHM Thematic Projects.

Tentative timeline for product availability

The deliverable 2.3.1 is expected to be issued at the end of the 4th project period, according to the project time line. Anyway, to let the reviewers have enough time to work on it, MedSeaRise is going to issue at least one benchmark, by **01/07/2025**. While release of other benchmarks will proceed up to the deadline set in the application form (**31/12/2025**).

PPs mainly involved

The generation of benchmarks related to anthropic impact requires the effort by the PPs involved in the case studies focusing on anthropic risks, namely: **LP1** - ANATOLIKI S.A., **PP2** - ARPA FVG, **PP3** - CCINCA, BCC, **PP6** - -UM. The First available benchmark is going to be the first proposed for the review.

Benchmarks for ecosystem impacts - D.2.3.2

We define a benchmark as a standard example of risk assessment for an impact, real or ideal, due to the increase of the sea level rise, that has to be considered as a tool for the evaluation and comparison of the risk sensitivity from the input data on the sea level trends, according to a specific metric.

MedSeaRise deliverable **D.2.3.2**, benchmarks on evaluation of sea level rise ecosystem impacts risk assessment, is composed by a set of documents on benchmarks presentation and demos describing the sea level rise trends data usage in the benchmark. Documents are supported by data files suitable to reproduce the benchmark. Documents include comments and advice on how to use benchmark results for their comparison with further applications of the methodology (D.2.4.1) to cases of impacts of sea level rise hazard on ecosystems.

It is a set of **documents** with related **data files** one for each benchmark.

Suggested review processes

For this product the suggested review processes are:

- Review of the document content and the linearity and the clearness of data usage description. The **thematic clusters** are considered the suitable environment for the

benchmark discussion. Furthermore, the **stakeholders** and **associated partners** of selected NHM Thematic Projects, dealing with climate change impacts on ecosystems, may be involved in expressing their comments.

- Review of the data files content, format, metadata completeness and degree of usability through common available software to reproduce the benchmark. and applications. The **thematic clusters** are considered the suitable environment plus the **stakeholders** and **associated partners** of selected NHM Thematic Projects.

Tentative timeline for product availability

The deliverable 2.3.2 is expected to be issued at the end of the 4th project period, according to the project time line. Anyway, to let the reviewers have enough time to work on it, MedSeaRise is going to issue at least one benchmark, by **01/07/2025**. While release of other benchmarks will proceed up to the deadline set in the application form (**31/12/2025**).

PPs mainly involved

The generation of benchmarks related to anthropic impact requires the effort by the PPs involved in the case studies focusing on anthropic risks, namely: **PP2** - ARPA FVG and **PP4** - UoM-IBMK. The First available benchmark is going to be the first proposed for the review.

White Paper - D.3.4.1

Deliverable (**D.3.4.1**) the White Paper on the uncertainties affecting the current knowledge and the data on sea level future trend in the Mediterranean and consequent impacts, is a document, focusing on the uncertainties affecting the current knowledge and the data on sea level future trend in the Mediterranean and consequent impacts. It is realized thanks to the results of the methodology application and the SWOT analysis conducted in the project.

By means of this deliverable, stakeholders will access the weak points of the input data they are going to use in simulating impacts deriving from the sea level increase. In addition, they could appreciate how the risk assessment can be usefully conducted in spite of the scientific data uncertainty. It is expected the information presented in the White Paper stimulates the scientific community in identifying the area of investigation in which to focus efforts to reduce the weaknesses of nowadays scientific knowledge on sea level projections, especially for the Mediterranean area.

It is a **document**.

Suggested review processes

For this product the suggested review processes are:

- Review of the document content. The **thematic clusters** are considered the suitable environment for the benchmark discussion. Inside the cluster, reviewers coming from the scientific sectors are considered to give a relevant contribution.
- Furthermore, the **stakeholders** and **associated partners** of selected NHM Thematic Projects, dealing with climate change impacts on ecosystems, may be involved in expressing their comments.

Tentative timeline for product availability

The deliverable 3.4.1 is expected to be issued at the end of the 5th project period, according to the project time line. Anyway, to let the reviewers have enough time to work on it, MedSeaRise is going to issue a first **draft** on the deliverable, document and data, by **01/09/2025**, leaving the **final**, maybe including the improvements advised by reviewer, at the deadline set in the application form (**28/02/2026**).

PPs mainly involved

To generate the **draft document** of deliverable 3.4.1, suitable for review, the most of the effort is required to: **PP2** - ARPA FVG, **PP6** - -UM.

To achieve the final version of the document of deliverable 3.4.1, the effort is required to all PPs: **LP1** - ANATOLIKI S.A., **PP2** - ARPA FVG, **PP3** - CCINCA, **PP4** - UoM-IBMK, **PP5** - BCC, **PP6** - -UM.

Green Paper - D.3.4.2

Deliverable (**D.3.4.2**) the Green Paper on the potentials of a large-scale transfer and testing of the methodology and its extension to a wider spectra of risks, together with capitalizing the knowledge achieved thanks to the project, in the Programme cooperation area.

This is a document summarizing the skill achieved in applying the methodology (D.2.4.1) thanks to the case studies conducted in MedSeaRise. Those skills and workarounds to the issues faced are presented for the benefits of further and massive applications of the methodology, hopefully to serve as a background on which to develop risk assessment services. In this document the identification of classes of risk associated with sea level rise impacts, not explicitly considered for case studies in the project, are presented for the methodology application and testing outside the already tested classes of impacts.

It is a **document**.

Suggested review processes

For this product the suggested review processes are:

- Review of the document content. The **thematic clusters** are considered the suitable environment for the benchmark discussion.

- Furthermore, the **stakeholders** and **associated partners** of selected NHM Thematic Projects, dealing with climate change impacts on ecosystems, may be involved in expressing their comments.

Tentative timeline for product availability

The deliverable 3.4.2 is expected to be issued at the end of the 5th project period, according to the project time line. Anyway, to let the reviewers have enough time to work on it, MedSeaRise is going to issue a first **draft** on the deliverable, document and data, by **01/09/2025**, leaving the **final**, maybe including the improvements advised by reviewer, at the deadline set in the application form (**28/02/2026**).

PPs mainly involved

To generate both the **draft document** and the final version of deliverable 3.4.2, suitable for review, the effort is required to all PPs: **LP1** - ANATOLIKI S.A., **PP2** - ARPA FVG, **PP3** - CCINCA, **PP4** - UoM-IBMK, **PP5** - BCC, **PP6** - -UM.

Proposed peer reviewers

Besides the **thematic clusters** that are considered a suitable environment to evaluate the transferability of the proposed project results, MedSeaRise proposes to involve as reviewers the **people** who have shown interest in the MedSeaRise Project activities during the **Malaga meeting**, besides others who could come thanks a survey among **stakeholders** and **associated partners** of selected **NHM Thematic Projects**. Stakeholders are people potentially interested in knowing and hopefully to test the MedSeaRise outputs, such as: environmental operators, economic operators, safety operators and experts supporting stakeholders in decision making and risk assessment.

For the cluster identification and stakeholder survey, MedSeaRise asks the support of the C4N through the AR tools.

Contribution to the Euro-MED Academy for

The contribution of MedSeaRise to the Euro-Med Academy is foreseen in both: the Library and the Training Platform. The possible contributions are listed here below with details on contents and expected availability, regardless of the time required by the peer review process.

Library

For the library, MedSeaRise proposes three deliverables, which are **documents**

1. **D.2.4.1** which is also the main output (**O 2.1**), namely the **Methodology for an effective use of sea level rise scenarios in climate change impact risk assessment**.

A methodology to retrieve data on sea level future scenarios and to use them as inputs in the risk assessment procedures, to evaluate the sensitivity of climate change coastal impacts from the uncertainty affecting the inputs. The methodology is suitable for both classes of impacts, those threatening anthropic activities and those ecosystems, and it is completed by benchmarks helping the users in its application and to the results comparison. It is specifically meant for the Mediterranean.
Expected contribution start: 01/08/2025 end 31/12/2025 First a draft and in final form at the deliverable deadline

2. **D.3.4.1** the **Withe Paper** on the uncertainties affecting the current knowledge and the data on sea level future trend in the Mediterranean and consequent impacts. Through this document, stakeholders will access the weak points of the input data they are going to use in simulating impacts deriving from the sea level increase. In addition, they could appreciate how the risk assessment can be usefully conducted in spite of the scientific data uncertainty. It is expected the information presented in the White paper stimulates the scientific community in identifying the area of investigation in which to focus efforts to reduce the weaknesses of nowadays scientific knowledge on sea level projections, especially for the Mediterranean area.
Expected contribution start: 01/09/2025 end 30/11/2025 for the first draft. Start: 01/12/2025 end 31/01/2026 for final form at the deliverable deadline.

3. **D.3.4.2** the **Green Paper** on the potentials of a large-scale testing of the methodology and its extension to a wider spectra of risks, together with capitalizing the knowledge achieved thanks to the project, in the Programme cooperation area. This is a document summarizing the skill achieved in applying the methodology (D.2.4.1) thanks to the case studies conducted in MedSeaRise. Those skills and workarounds to the issues faced are presented for the benefits of further and massive applications of the methodology, hopefully to serve as a background on which to develop risk assessment services. In this document the identification of classes of risk associated with sea level rise impacts, not explicitly considered for case studies in the project, are presented for the methodology application and testing outside the already tested classes of impacts.
Expected contribution start: 01/09/2025 end 30/11/2025 for the first draft. Start: 01/12/2025 end 31/01/2026 for final form at the deliverable deadline.

Training Platform

For the Training Platform, MedSeaRise proposes two deliverables, which are specific and fully described examples of the methodology (D.2.4.1) application. For each application, a document explains step by step the methodology application together with the data used for the reproduction of the application. They are standard examples of risk assessment for an impact, real or ideal, due to the increase of the sea level rise, that has to be considered

a tool for the evaluation and the comparison of the risk sensitivity from the input data on the sea level trends, according to a specific metric. The format of these contributions matches the online services and the presentation accessible through the Moodle platform software.

1. **D.2.3.1 Benchmarks** on evaluation of sea level rise **anthropic impacts risk assessment**. Anthropic risk benchmarks description, generation and comments of how to use them for the comparison and the evaluation of risk assessment sensitivity from sea level rise hazard. Documents and demos describing the sea level rise trends data usage for risk assessment (Documents + Data Files)
   Expected contribution start: 01/07/2025 end 30/10/2025 for the release of the first set of examples. Start: 01/11/2025 end 31/12/2025 for last examples at the deliverable deadline.

   D.2.3.2 Benchmarks on evaluation of sea level rise **ecosystem impacts risk assessment**. Ecosystem risk benchmarks description, generation and comments of how to use them for the comparison and the evaluation of risk assessment sensitivity from sea level rise hazard. Documents and demos describing the sea level rise trends data usage for risk assessment (Documents + Data Files).
   Expected contribution start: 01/07/2025 end 30/10/2025 for the release of the first set of examples. Start: 01/11/2025 end 31/12/2025 for last examples at the deliverable deadline.

Contribution to Clusters

Interaction with other projects

Certainly, one of the most effective ways to amplify the project results is to find synergies with other projects. This in turn means to share the project achievements, even if partial, in a larger community, where other results have been built or are in progress. The discussion stimulated by the project outputs' reciprocal presentation naturally results in a peer review of the project deliverables, besides the identification of the mutual support, among shared project results, in building a compound of tools and services not foreseen in the phase of project goals definition. The union of project outputs becomes a set of services and tools whose value is higher than the simple sum of the usefulness and the goodness of each output.

For these reasons, MedSeaRise searched for interactions with other Euro-MED projects, especially those belonging to the Natural Heritage Mission (NHM). According to the information available thanks to the coordination made by the Community4Nature (C4N), these are the NHM TPs considered potentials for ideas and expertise exchange and for creating synergies to amplify the project results.

- **ARTEMIS**
- **COASTRUST**
- **FRED**
- **MPA4Change**
- **Wetland4Chang**

To create opportunities for interactions with other projects, MedSeaRise asked for the support of the C4N through the AR tools. That support became a real and effective help through the participation in the clusters.

Participation to clusters

The participation in clusters is considered an important opportunity for the project. Considering the suggestion received during the bilateral meeting with NHM team, on 26 March 2025, keeping in mind the issues faced by MedSeaRise project, the topics each cluster focuses on, and last but not least the commitments the Project Partners already have, it was considered natural and sustainable the participation of MedSeaRise to the following three clusters: Climate Change Adaptation for Coastal Areas, Tools for Disaster Risk Reduction and Land-sea interactions.

In practice, the MedSeaRise participated actively in two clusters only, namely Climate Change Adaptation for Coastal Areas and Tools for Disaster Risk Reduction, because of the limited number of human resources available to give an effective contribution to all

clusters.

Adaptation to Climate change in Coastal Areas

According to the main goal of this cluster, which is to conduct pilot case explorations with the aim of being the anchor to build a common narrative, MedSeaRise project proposed to contribute as follows:

- to provide an integrated narrative on how to face combined risks in coastal areas: floods, sea rise/storms, erosion, impacts from infrastructure;
- to develop joint actions for common target audience (learning programmes, scientific papers, communication, awareness campaigns, events, ...;
- to find new project & funding opportunities;
- to exchange information, expertise and material on pilots.

The cluster coordinators made a pre-selection of proposals and during the 26 September 2025 cluster meeting, the benchmarks generated by MedSeaRise project were considered suitable pilot cases for exploration. See annex 1

Tools for Disaster Risk Reduction

According to the main goal of this cluster, which is to promote the use and innovation of tools for disaster risk reduction, MedSeaRise project proposed to contribute as follows:

- to delve into the impacts of sea level rise, increasing drought and flash floods on agriculture and vice versa (how agriculture can increase vulnerability to these climate risks);
- to explore new funding opportunities.

During the meetings of the cluster, a set of objectives were discussed that are summarized as: to develop a joint capacity building course and/or document summarizing the tools and technical knowledge, to develop new joint research proposals, to create a joint target audience database.
At the cluster meeting held on 30 October 2025, one of the specific objectives was explored in detail. It is the generation of a thematic course for the Euro-MED Academy, which is titled “Digital Tools for Disaster Risk Reduction“, which is going to flow into the thematic line “Innovation for Environmental Transitions”. To this end MedSeaRise will contribute with a part, which subject is: Sea level rise. Calculating the uncertainty to predict future sea level rise and risk assessment tools See Annex 2

Land-sea interactions

The initial aim of the MedSeaRise project was to be involved in the "Land-sea interactions" cluster because the issues the cluster is dealing with overlap the topics MedSeaRise has worked on a lot. The potential contributions of the project to the cluster are:

- Risk assessment and synergetic Nature-based Solution
- Capacity building on tools and approaches
- Find synergies and exchange on pilots

Unfortunately, because of the involvement in two clusters a significant effort added to the specific project commitments was requested. It was not possible to find further human resources to dedicate to this cluster too.

Participation to Forum

MedSeaRise considered the participation in the discussions promoted and conducted in the Natural Heritage Mission Forum [2.1] relevant for the amplification and the capitalization of the project results and for sharing the achieved knowledge.

MedSeaRise contributes to the discussions in the following topics:

- Promotion of Climate Change Mitigation and Adaptation

It was expected the discussions in the clusters or as a consequence of the conduction of the set of case study the project is focusing on, MedSeaRise may promote new topics in the Natural Heritage Mission Forum. Anyway monitoring the forum it was found the proposed topics have not caught a significant number of followers and posts; see Annex 3. So the activity on the forum was limited to the Promotion of Climate Change Mitigation and Adaptation topic.

Mentorship

MedSeaRise has considered the opportunity to give mentorship, as a way to amplify the project achievements. The proposal of mentorship came from the Community4Nature because during the second Institutional Dialogue event, which took place on 28–29 November 2024 in Málaga, Spain, some people showed interest in the MedSeaRise objectives and results.

So, MedSeaRise gave the availability to get in touch with the following contact point/person, to explore the opportunity for a mentorship. To this end was asked help from the NHM to contact these potential "takers". In summary:

- (WWF North Africa (Tunisia) (NHM AP)), because of the importance of assessing the impact of sea level rise in the Gulf of Gabes (Tunisia), as this part of the

Mediterranean is really at risk, so this could be a nice opportunity for a mentorship programme. In this region, MedCities has a close relationship with Sfax municipality (Associated partner)

- MedCities is involved in the EU Missions "Restore our Ocean and Waters" (depolluting, restoration of coastal habitats, and sustainable, carbon neutral, blue economy) and "ADAPT" (much more involved in the year to come). These could also provide some opportunities for transference.
- T-MEDNet for sharing/hosting MedSeaRise datasets. The platform is managed by ICM-CSIC, LP of MPA4Change.
- ECOACSA (ARTEMIS PP), to exchange on pilots (e.g. Greek pilots, interest in the pilot activities in Municipality of Kalamaria, MedSeaRise AP) MedSeaRise also showed interest in adopting ARTEMIS results, for example, in Malta (Prof. Alain Deidun from University of Malta involved in Posidonia restoration in Malta)
- University of Forestry (Wetland4Change), because MedSeaRise will produce a model for predicting floods that could be considered in the assessment of wetlands flood regulation capacity (implemented in Wetland4Change) MedSeaRise wondered whether Wetland4Change was planning to extend the pilot cases among more countries in Europe
- MedPAN (NHM AP), because of Interested in the Pilot Activity in Montenegro. Would like to share the assessment risks, as well as the green & white papers within the MedPAN network. Interest to attend the final conference.
- Andalusian Federation of Municipalities and Provinces (FAMP) (COASTRUST), because MedSeaRise case studies could be interesting for COASTRUST Maltan pilot (Ċirkewwa Marine Park)

Policy mainstreaming and advocacy

MedSeaRise is a study project with the aim to develop a methodology that involves scientific data on future sea level rise scenarios and impacts due to the sea level increase. In the project, there is not a specific activity or deliverable that explicitly can be considered a governance solution suitable for transfer. Anyway, the project raises the attention on one key point common to all the governance tools which involve the use of scientific information in defining adaptation and resilience solutions to climate change foreseen impacts.

That concept was shared in the frame of the Natural Heritage Mission (NHM) Amplification Room (AR). This is considered a contribution for sharing and capitalizing on the concept, which is explained hereafter.

When a governance solution refers to, suggests to use or even imposes to adopt the results of science, to steer and to regulate human actions, it is mandatory that the solution explicitly refers to the intrinsic uncertainty of the scientific information and knowledge.

Such uncertainty is one of the sources determining the efficiency and efficacy of the solution. So, in each solution definition the uncertainty of the scientific inputs has to be one of the topics to be evaluated prior to the solution proposal and during the proposal

discussion among the governance actors. Finally, the governance solution has to explain clearly how that uncertainty enters in the governance process and how it has to be handled.

To bring this message into the proper amplification activity, the project requires the support of the NHM Governance Projects through the AR tools.

Coming to the contribution of the main MedSeaRise output, (**O 2.1 - D.2.4.1**), to already available policies and strategies, it is expected the Methodology for an effective use of sea level rise scenarios in climate change impact risks assessment become a practical support to the **European Green Deal**, which underlines the need to strength our efforts on climate-proofing, resilience building, prevention and preparedness. Then, it is clear that the methodology that supports the adaptation to sea level rise, is going to contribute to the strategy.

In addition, according to the main results expected from **WestMED**, namely the initiative for the sustainable development of the blue economy in the western Mediterranean region, it is easy to recognize that the project matches some of the initiative actions, such as new approaches in facing the climate change hazards, besides producing examples generated also with the participation of stakeholder.

Furthermore, the **Territorial Agenda 2030** provides an action-oriented framework to promote responses to the increasing pressure concerning sustainable development and climate change. The MedSeaRise methodology is meant to increase the efficacy and to improve the efficiency of the adaptation and the resilience to sea level rise, due to climate change in the Mediterranean area, so it is clearly inserted into the frame defined by the Agenda 2030.

Finally, the MedSeaRise partnership that includes partners operating in that Mediterranean area, from six different countries, practically supports the **EU Strategy for the Adriatic and Ionian Region**.

For these last contributions, since the policies and strategies are already under application, it appears straightforward the MedSeaRise methodology, in particular thanks to its usage, is going to be incorporated into the mainstream of those policies and strategies. So a large-scale diffusion of the methodology in the Mediterranean area results in the amplification of the project output. So all the facilities the AR can provide to foster the methodology are welcome.

Conclusions

Concluding remarks

Project MedSeaRise has pushed a lot of efforts in running internal and external communication activities along the whole project timeline. In each WP a dedicated set of activities has maintained the internal information flow besides the amplification of results and the capitalization of experience.

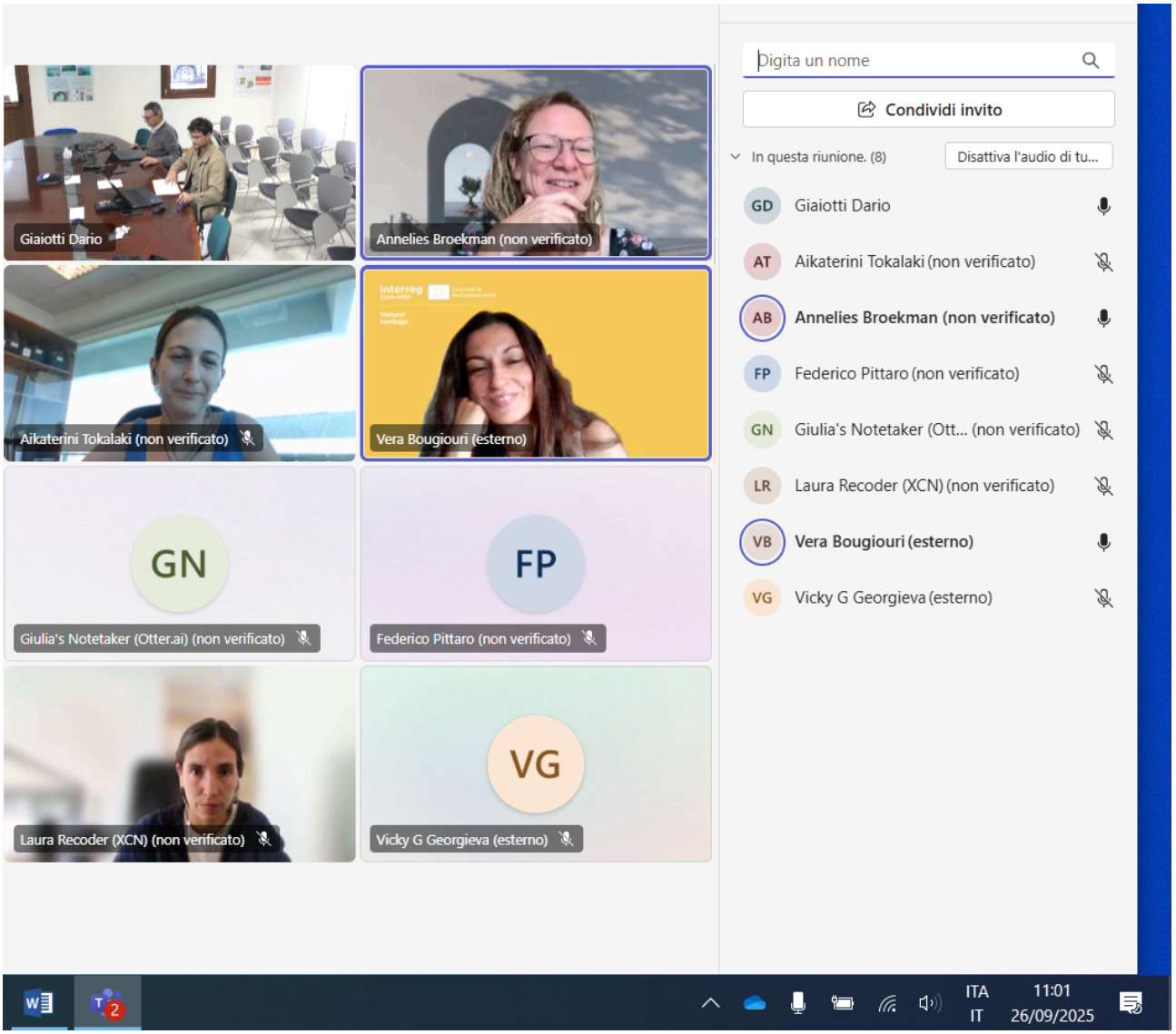
The progress of the project and the results achieved through the work done by each PP were also shared outside the project. In fact, presentations by the PPs of their local actions and project achievements became interesting stories that were channelled to the broad public via the project social media and website.

Regular meetings have been organized involving all the PPs. Some of them were held in person and that boosted the project coordination. In every meeting a session dedicated to the progress of the Communication Strategy implementation was present.

A continuous interaction of the MedSeaRise project with the Governance Projects, namely the Thematic Community Project (TCP) and Institutional Dialogue Project (IDP), was the key for implementing the project Results Amplification Strategy.

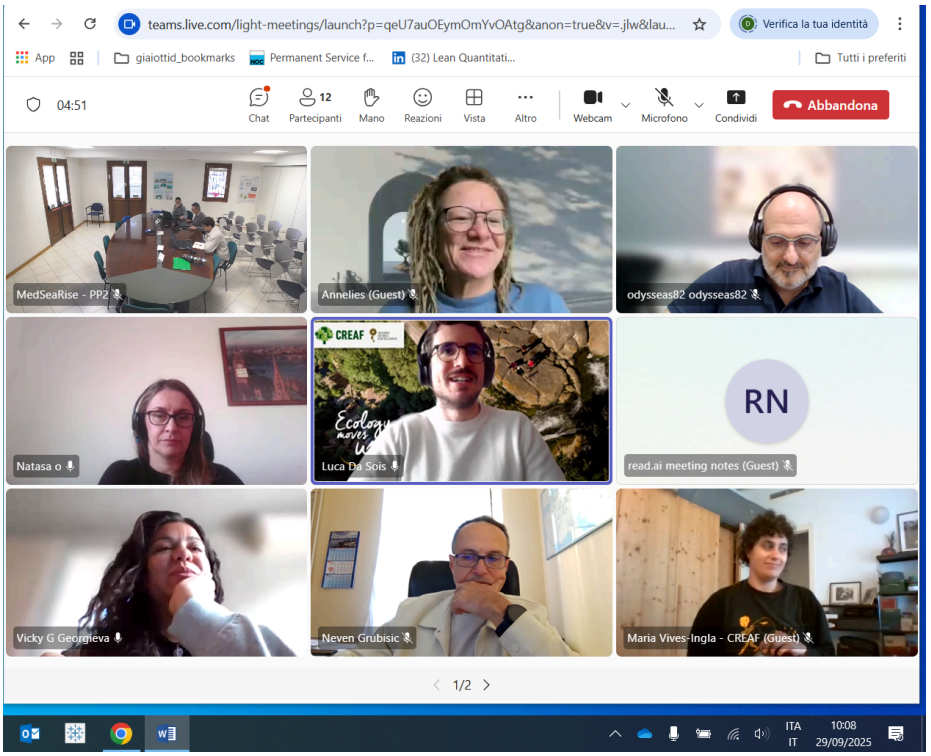
Thanks to the Community4Nature support, the project had the possibility to participate in clusters and to propose tools that could be part of the Academy services.

Annex 1 – Adaptation to Climate change in Coastal Areas meetings

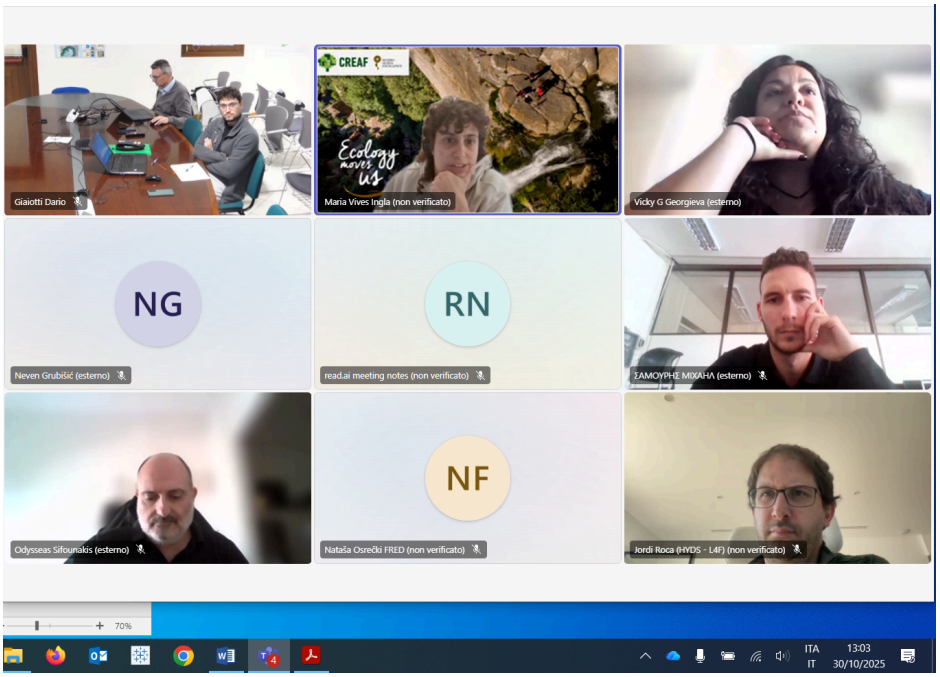


Tools for Disaster Risk Reduction Date: 26/09/2025 11:00 CEST

Annex 2 – Tools for Disaster Risk Reduction meetings

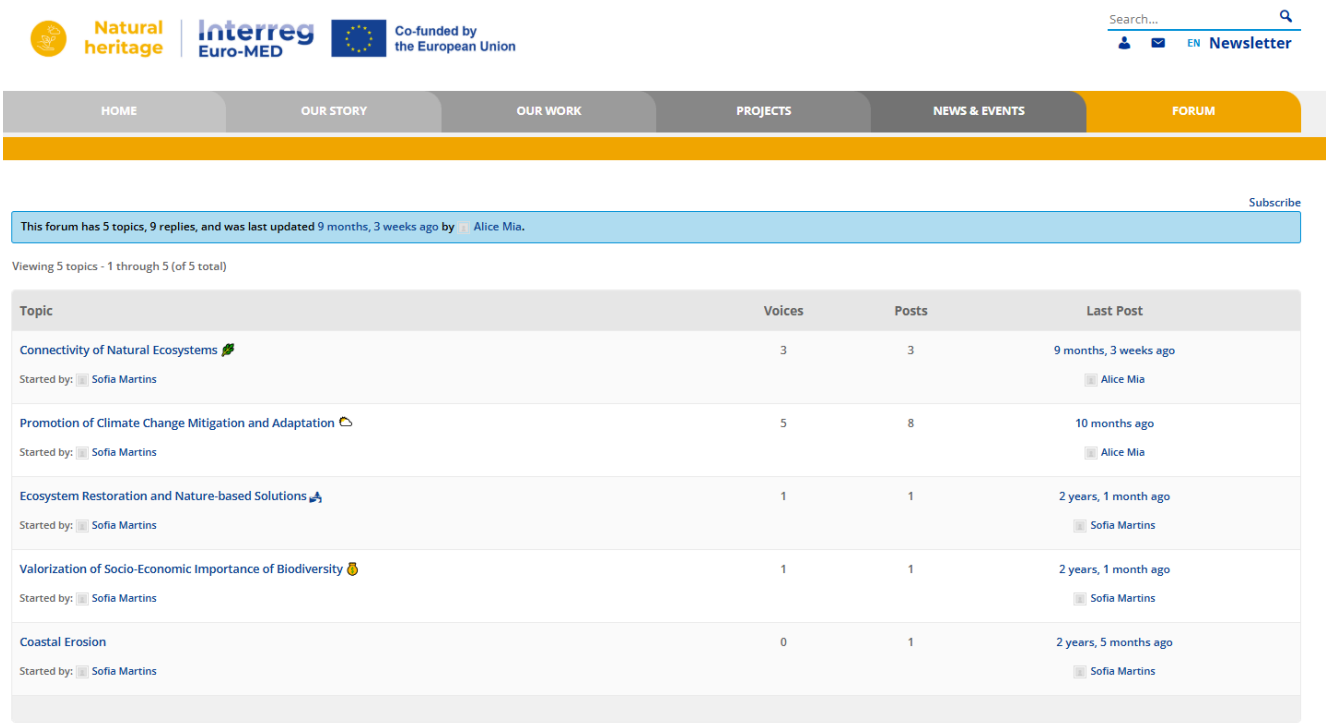


Tools for Disaster Risk Reduction Date: 29/09/2025 10:00 CEST



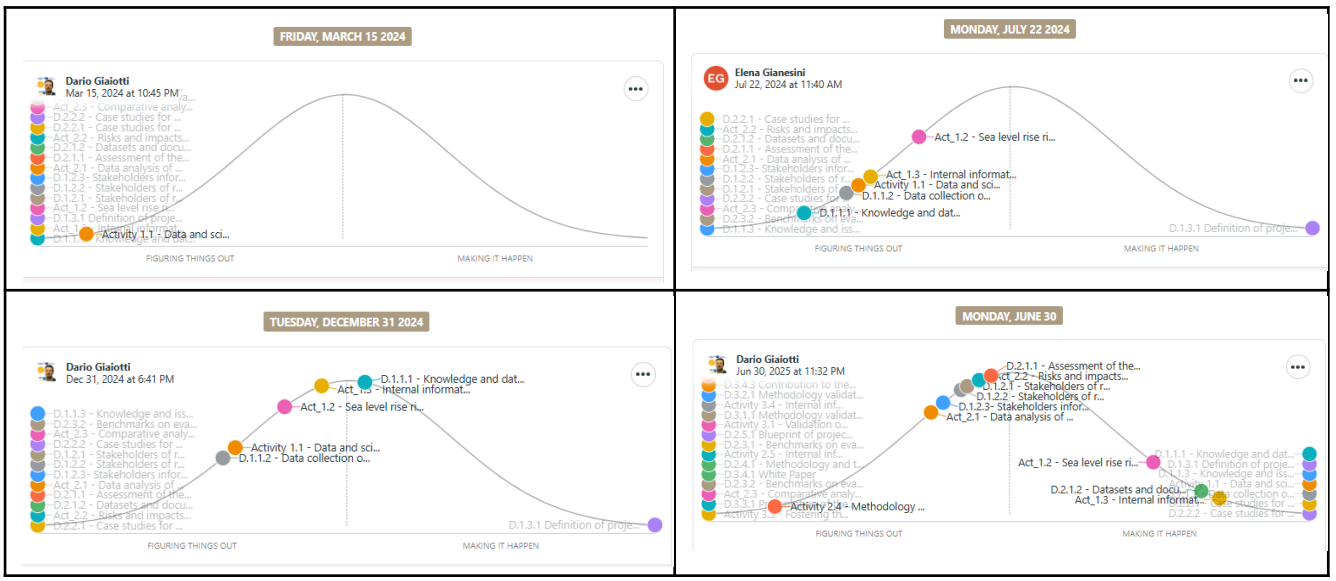
Tools for Disaster Risk Reduction Date: 30/10/2025 13:00 CET

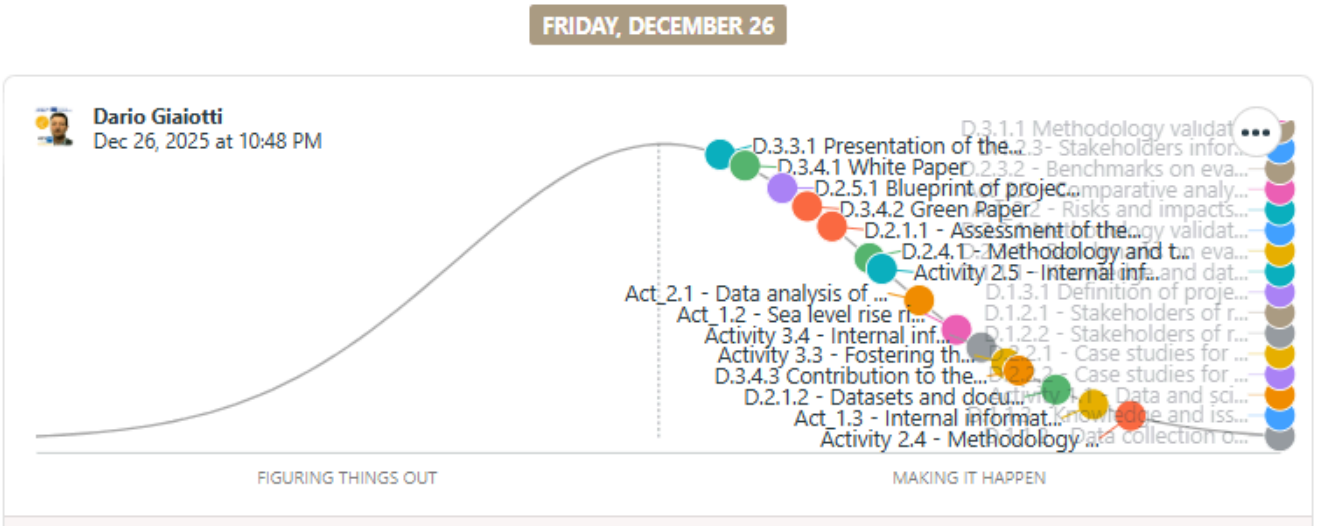
Annex 3 – Natural Heritage Mission Forum participation



MedSeaRise contributed to the discussion in the topic “Promotion of Climate Change Mitigation and Adaptation, with 4 posts over the total of 8.

Annex 4 – Basecamp project progress tracking





References

Bibliography and Sitography

[1.1] Basecamp – MedSeaRise project

[2.1] Natural Heritage Mission Forum

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