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Abbreviations and Acronyms

CSA	Coordination and Support Action
D	Deliverable
EU	European Union
IA	Innovation Action
KPI	Key Performance Indicator
LL	Living Lab
MS	Milestone
NbS	Nature-based Solutions
PLLS	Danube Practices Living Lab System
RIA	Research and Innovation Action
WP	Work Package





Executive Summary

This deliverable presents a summary of EcoDaLLi's contribution to the implementation of the Mission Charter of the EU Mission “To Restore our Ocean and Waters by 2030” (hereinafter referred to as Mission Ocean) within the Danube & Black Sea Lighthouse. EcoDaLLi's contribution was primarily enabling, focusing on the governance, stakeholder-engagement, knowledge-sharing and innovation-support conditions required for Mission Charter implementation.

The report analyses EcoDaLLi's contribution to the three Mission Charter objectives: (i) protecting and restoring freshwater ecosystems and biodiversity, (ii) preventing and eliminating pollution of ocean, seas and waters, and (iii) supporting the transition towards a sustainable blue economy. It also examines contributions to the two Mission Charter enablers: the Digital Ocean and Water Knowledge System and Public Mobilisation and Engagement. The analysis is based on project deliverables, milestones, stakeholder engagement activities, Living Lab outputs, governance assessments and Lighthouse coordination activities.

Throughout the project, EcoDaLLi established a common framework for assessing Mission-relevant Nature-based Solutions (NbS), developed a NbS Catalogue, identified innovative ecosystem-based practices and created governance inventories supporting Mission implementation. The project established four regional Living Labs and the Danube Practices Living Lab System (PLLS), creating long-term structures for stakeholder cooperation and knowledge exchange. EcoDaLLi also strengthened the regional innovation ecosystem through innovation support activities, the establishment of the Danube Innovation Community and the development of the EcoDaLLi Portal as a basin-scale digital knowledge infrastructure.

Through joint activities, stakeholder exchanges and dissemination efforts, the project strengthened synergies among Lighthouse initiatives and increased the visibility and transferability of project results.

A coordinated outreach by EcoDaLLi, the Innovation Actions and wider Lighthouse partners contributed to a net increase of 105 Charter actions – from 40 in September 2024 to 145 in June 2026, while EcoDaLLi directly mapped 321 stakeholders and established four regional Living Labs and the Danube Practices Living Lab System, with governance workshops and Living Lab activities recording 633 participant attendances in total.

Overall, EcoDaLLi significantly strengthened the enabling conditions required for Mission Charter implementation by enhancing governance cooperation, stakeholder engagement, knowledge sharing, innovation uptake and Lighthouse coordination. In line with its enabling role, the project established lasting structures, networks and resources that support the long-term implementation of the Mission Charter and the continued development of the Danube & Black Sea Lighthouse.





1. Introduction

1.1. Context

The restoration and protection of aquatic ecosystems have become a strategic priority of the European Union in response to increasing pressures from biodiversity loss, pollution, climate change and unsustainable resource use. The Danube River Basin and the Black Sea represent one of Europe's most important ecological and socio-economic systems, supporting biodiversity, ecosystem services, economic activities and the well-being of millions of citizens across multiple countries.

Addressing the complex challenges affecting these ecosystems requires coordinated action across sectors, governance levels and national borders. Recognising this need, the European Commission launched the EU Mission “To Restore our Ocean and Waters by 2030” (hereinafter referred to as Mission Ocean) under Horizon Europe. The Mission aims to accelerate the restoration of marine and freshwater ecosystems, eliminate pollution and support the transition towards a sustainable blue economy through research, innovation, stakeholder engagement and investment.

Within this framework, the Danube & Black Sea Lighthouse was established as one of the Mission's regional implementation areas, providing a platform for cooperation, experimentation, innovation and stakeholder mobilisation. EcoDaLLi contributes to this effort by supporting governance coordination, stakeholder engagement, knowledge exchange, innovation uptake and Mission Charter implementation throughout the Danube Lighthouse region.

1.1.1. Mission Ocean

Mission Ocean is one of the five Horizon Europe Missions established to address major societal challenges through ambitious, measurable and time-bound objectives. The Mission seeks to protect and restore the health of oceans, seas, coastal areas and inland waters through a combination of research and innovation, citizen engagement, policy support and investment mobilisation.

The Mission is structured around three objectives:

- Protect and restore marine and freshwater ecosystems and biodiversity;
- Prevent and eliminate pollution of our ocean, seas and waters;
- Make the sustainable blue economy carbon-neutral and circular.

To accelerate implementation, the Mission promotes place-based action through regional Lighthouses, which act as large-scale demonstration and coordination areas. The Danube & Black Sea Lighthouse focuses on restoring and protecting freshwater and marine ecosystems through transnational cooperation and integrated approaches linking environmental, social and economic dimensions.





1.1.2. Mission Charter

The Mission Charter is the principal mobilisation instrument of Mission Ocean. It provides a common framework through which public authorities, research organisations, businesses, civil society organisations and citizens can voluntarily commit to actions contributing to the Mission objectives.

The Charter calls for action towards:

- I. Protecting and restoring marine and freshwater ecosystems and biodiversity;
- II. Preventing and eliminating pollution of ocean, seas and waters;
- III. Making the sustainable blue economy carbon-neutral and circular.

To support these objectives, the Charter also identifies two key enablers:

- Digital Ocean and Water Knowledge System;
- Public mobilisation and engagement.

Beyond encouraging concrete actions, the Charter promotes cooperation, knowledge sharing, stakeholder participation, innovation uptake and alignment between local, regional, national and European initiatives. Within the Danube & Black Sea Lighthouse, the Charter provides a common reference framework for coordinating efforts and strengthening collective ownership of Mission objectives.

1.1.3. CSA EcoDaLLi

EcoDaLLi (ECOsystem-based governance with DANube lighthouse Living Lab for sustainable Innovation processes) is a Horizon Europe Coordination and Support Action supporting the implementation of Mission Ocean within the Danube & Black Sea Lighthouse.

Unlike Innovation Actions that directly implement restoration interventions, EcoDaLLi was designed to create the enabling conditions necessary for Mission implementation. The project focused on strengthening stakeholder engagement, governance cooperation, innovation ecosystems, knowledge sharing and Lighthouse coordination throughout the Danube River Basin and the Danube Delta.

Through the development of NbS methodologies, governance inventories, Living Labs, innovation support mechanisms, stakeholder engagement activities and the EcoDaLLi Portal, the project contributed to creating the governance, knowledge and cooperation structures required for achieving the objectives of the Mission Charter.

EcoDaLLi also played an important role in promoting the Mission Charter, supporting stakeholder participation, facilitating cooperation among Lighthouse projects and increasing the visibility of Mission-related activities across the Danube region.





1.2. Objective of D4.4

D4.4 – Report on contributions to the implementation of the Mission Charter, aims to assess and document the contribution of EcoDaLLi to the implementation of the Mission Charter within the Danube & Black Sea Lighthouse.

The report analyses how the project's activities, outputs, deliverables, milestones and stakeholder engagement processes contributed to the three Mission objectives and the two Mission enablers. Particular attention is given to the role of EcoDaLLi in strengthening governance cooperation, promoting the Mission Charter, mobilising stakeholders, facilitating knowledge exchange, supporting innovation uptake and fostering collaboration among Lighthouse projects.

As a Coordination and Support Action, EcoDaLLi's contribution is assessed primarily through its enabling role in creating favourable conditions for Mission implementation rather than through direct environmental impacts. The report therefore focuses on the governance, knowledge, participation and cooperation mechanisms established through the project and their contribution to advancing Mission objectives within the Danube Lighthouse region.

It should be noted that this deliverable is intended as a reporting document summarising EcoDaLLi's contributions and achievements towards the Mission Charter. It does not constitute an evaluation or impact assessment and therefore does not seek to attribute direct environmental impacts to project activities.

1.3. Structure of D4.4

Following this introductory chapter, the report presents the methodological approach used to assess EcoDaLLi's contribution to the Mission Charter.

The core of the report analyses project contributions to each of the three Mission objectives and the two Mission enablers, linking specific EcoDaLLi activities, deliverables, milestones and achievements to the Mission Charter framework.

A dedicated chapter examines cross-cutting achievements, including Mission Charter promotion, stakeholder mobilisation, Lighthouse cooperation, participation in Mission-related events and the establishment of long-term structures supporting Mission implementation.

The report concludes with an overall assessment of EcoDaLLi's contribution to the Mission Charter and the legacy of the project beyond its implementation.



2. Methodological approach

The information presented in this report is based on a contribution-oriented approach, analysing how EcoDaLLi activities, deliverables and results supported the implementation of the Mission Charter within the Danube & Black Sea Lighthouse.

The main sources of information include:

- EcoDaLLi Grant Agreement and Description of Action;
- project deliverables and milestones;
- internal technical reports and periodic progress reports;
- outputs of stakeholder engagement activities;
- Living Lab reports and event documentation;
- documentation related to cooperation within the Danube & Black Sea Lighthouse.

Project achievements were systematically mapped against the three Mission Charter objectives and the two Mission Charter enablers. For each objective and enabler, relevant EcoDaLLi outputs and activities were identified and assessed in terms of their contribution to Mission implementation.

As a Coordination and Support Action (CSA), EcoDaLLi's contribution is assessed primarily in terms of the enabling and systemic conditions created for Mission implementation. These include governance cooperation, stakeholder mobilisation, knowledge exchange, innovation support and coordination among Lighthouse initiatives. EcoDaLLi did not implement environmental restoration or pollution-reduction interventions directly; consequently, this report does not attribute measurable environmental changes to the project. References to project contributions throughout the report should therefore be understood within this contribution-oriented scope.

The deliverable combines quantitative evidence, such as stakeholder engagement figures and participation statistics, with qualitative evidence derived from project activities, deliverables and coordination processes. This approach provides a structured overview of EcoDaLLi's contribution to the implementation of the Mission Charter and the development of the Danube & Black Sea Lighthouse.

It should be noted, however, that this deliverable is conceived as a reporting document and not as an evaluation or impact assessment. Its purpose is to document and summarise EcoDaLLi's contributions to the implementation of the Mission Charter based on available project outputs, activities and monitoring data. The figures and statistics presented throughout the report are therefore intended to provide an overview of achievements and outreach results rather than to support detailed quantitative analysis or establish causal relationships between activities and outcomes. Where relevant, the report highlights observed developments and reported results, while avoiding interpretations that would require dedicated impact assessment methodologies beyond the scope of this deliverable.

2.1. Evidence limitations, data validation and reporting cut-off

The assessment is based on EcoDaLLi deliverables and milestones, internal technical and periodic reports, stakeholder-engagement and Living Lab documentation, and records of cooperation within the Danube & Black Sea Lighthouse. As D4.4 is a contribution-oriented reporting document rather than an impact assessment, this evidence supports the identification of project outputs, participation and enabling contributions, but does not permit the attribution of environmental, policy or behavioural outcomes directly to EcoDaLLi activities.

Quantitative stakeholder and outreach figures were compiled from project monitoring records and information reported by EcoDaLLi partners and Danube & Black Sea Lighthouse projects. The figures were checked by SEZ – Lead of Task 4.1. *Danube Innovation Community*. The figure of 109 stakeholder invitations is based on partner self-reporting and should be regarded as a minimum documented value, since not all partners systematically reported their outreach activities.

The cumulative number of Charter actions recorded across the Danube and Black Sea basin increased from 40 in September 2024 to 122 as of March 2025, and to 145 as of June 2026. These basin-wide totals include, inter alia, actions submitted by organisations mobilised through EcoDaLLi activities, Innovation Actions and wider Lighthouse outreach. They therefore demonstrate a collective Lighthouse result supported by EcoDaLLi coordination, rather than a result attributable solely to EcoDaLLi.

Key quantitative statements presented in this deliverable were traced to the relevant project documentation and Mission Charter monitoring records. An evidence log is provided in *Annex 2*, specifying for each principal figure its definition, source, reporting period, validation method and attribution category.

For attribution purposes, D4.4 distinguishes between:

- (i) **direct EcoDaLLi outputs**, produced through EcoDaLLi tasks and deliverables;
- (ii) **EcoDaLLi-facilitated or jointly delivered results**, generated through coordination with Innovation Actions and other Lighthouse partners (events, joint presentation at Lighthouse level);
- (iii) **wider Lighthouse-level results**, reflecting contributions from multiple organisations and therefore not attributable solely to EcoDaLLi.

Where figures are based on partner self-reporting or basin-wide Mission Charter records, this is explicitly stated. Participation figures are reported as participant attendances, depending on the counting method applied in the underlying records.

2.2. Implementation considerations and lessons learned



EcoDaLLi's contributions were developed within a complex transnational and multi-actor environment involving project partners, Innovation Actions, Research and Innovation Actions and wider Danube & Black Sea Lighthouse stakeholders. Key implementation considerations included the coordination of activities across different institutional and regional contexts, the consolidation of quantitative evidence from several reporting sources, and the distinction between direct EcoDaLLi outputs and collective Lighthouse-level results. These experiences highlighted the value of common monitoring definitions, clear responsibilities for evidence collection, regular coordination among related initiatives and early consideration of the future use of shared resources and cooperation structures.

2.3. Target audiences and output-outcome-impact pathways

In addition to mapping EcoDaLLi activities and outputs against the Mission Charter objectives and enablers, the assessment considers the principal audiences for whom these results were developed and the pathways through which they support Mission implementation. The main target audiences include the Innovation Actions and Research and Innovation Actions operating within the Danube & Black Sea Lighthouse, Mission-level coordination and governance structures, public authorities and river-basin organisations, research and innovation actors, businesses, civil society organisations and other Mission Charter stakeholders. Direct engagement with the Mission Secretariat is referred to only where supported by meeting, event, presentation or communication records.

The assessment distinguishes between project outputs, outcomes and potential longer-term contributions. Outputs are the tangible products and activities delivered or supported by EcoDaLLi, including methodologies, catalogues, inventories, digital resources, stakeholder structures, workshops and coordination activities. Outcomes refer to documented or reasonably evidenced developments resulting from these outputs, such as improved access to knowledge, stronger interaction among stakeholders, increased participation, enhanced coordination among Lighthouse projects and greater visibility of Mission-related activities.

Potential longer-term contributions describe how these enabling outcomes may support improved governance, wider uptake and replication of restoration solutions, more coordinated Mission implementation, innovation uptake and sustained stakeholder engagement. As D4.4 is a contribution-oriented report rather than an impact assessment, these longer-term effects are presented as contribution pathways and are not attributed solely or directly to EcoDaLLi.



3. Contributions to Mission Charter’s Objectives

EcoDaLLi contributed to the objectives of the Mission Charter by supporting cooperation, stakeholder mobilisation, knowledge exchange, and innovation activities within the Danube & Black Sea Lighthouse framework. Through its coordination and support activities, the project strengthened regional capacities to address environmental challenges affecting the Danube River Basin and the Black Sea while promoting sustainable development pathways aligned with Mission Ocean objectives.

The achievements presented in this chapter reflect EcoDaLLi’s contribution to the three core priorities of the Mission Charter: **ecosystem restoration and biodiversity protection, pollution reduction, and the transition towards a sustainable blue economy.**

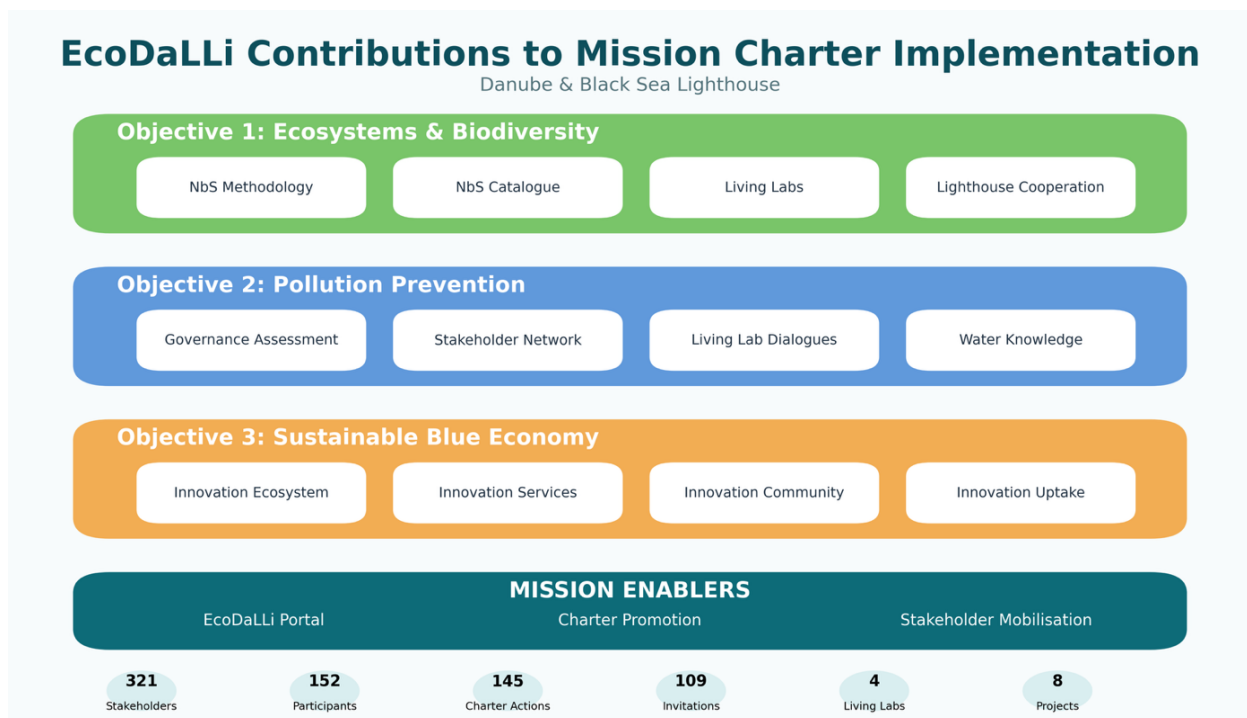


Figure 1 Summary of EcoDaLLi contributions to the Mission Charter

3.1. Contributions to Mission Charter Objective 1: Protect and restore marine and freshwater ecosystems and biodiversity

The protection and restoration of freshwater ecosystems and biodiversity constitute a principal Mission Charter objective supported by EcoDaLLi. Consistent with the contribution-oriented scope described in Section 2, the project supported this objective by strengthening the governance, knowledge-sharing, stakeholder-engagement and innovation conditions required for the implementation and replication of restoration actions throughout the Danube & Black Sea Lighthouse. EcoDaLLi established a common framework for assessing Mission-relevant NbS across the Danube & Black Sea Lighthouse, enabling stakeholders to identify and



compare restoration measures supporting ecosystem restoration and biodiversity objectives. This achievement was supported through D2.1 – Methodology for the assessment of Mission-relevant NbS. It provides a common assessment basis for restoration interventions across the Danube River Basin and supports decision-makers in selecting measures contributing to ecosystem restoration, biodiversity conservation and climate resilience.

Building upon D2.1, EcoDaLLi developed the Mission-relevant NbS Catalogue (MS2.1), available through the EcoDaLLi Portal. The catalogue provides stakeholders with practical examples of restoration interventions and ecosystem-based approaches that can be replicated throughout the Danube & Black Sea Lighthouse. The catalogue includes examples related to floodplain restoration, wetland rehabilitation, ecological connectivity improvement, ecosystem-based climate adaptation, sediment management and habitat restoration.

EcoDaLLi strengthened the knowledge base available to public authorities and regional planners by identifying and documenting eight innovative ecosystem-based practices that demonstrate how restoration and biodiversity objectives can be integrated into planning frameworks, governance systems and regional development strategies. This achievement provides practical guidance for stakeholders seeking to implement Mission Charter objectives and was supported through D3.1 – Inventory of Innovative Ecosystem-Based Practices in Local, Cross-Border and Transnational Spatial Policies. These examples provide practical guidance for public authorities and regional planners seeking to implement Mission objectives.

EcoDaLLi strengthened the governance foundations necessary for Mission implementation by creating a comprehensive overview of institutions and organisations involved in freshwater ecosystem restoration, biodiversity protection, water management and environmental governance across the Danube Basin and Delta. By improving the visibility of relevant actors and their roles, the project facilitated cooperation and stakeholder engagement throughout the Lighthouse. This achievement was supported through D4.1 – Inventory of Key Players for the Achievement of Mission Objectives at Danube Basin and Delta Level. The inventory created a governance baseline facilitating cooperation between institutions, projects and stakeholder groups involved in Mission implementation.

EcoDaLLi created permanent participatory structures that enabled stakeholders from different sectors and governance levels to jointly discuss challenges, exchange knowledge and co-design solutions supporting Mission Charter implementation. This achievement was realised through the establishment of four regional Living Labs (MS4.2) and the development of the Danube Practices Living Lab System (PLLS, MS4.4).

Through the Danube Practices Living Lab System, EcoDaLLi created a long-term framework for cooperation and knowledge exchange beyond individual project activities. Living Lab discussions addressed ecosystem restoration priorities, ecological connectivity, biodiversity conservation and ecosystem-based adaptation measures, thereby supporting the uptake, replication and long-term sustainability of restoration practices throughout the Danube & Black Sea Lighthouse.



At the Lighthouse level, EcoDaLLi facilitated cooperation between the Innovation Actions (first, DANUBE4all, DALIA (freshwater focus), DaWetRest, Restore4Life (wetland focus), then INNOSED, SUNDANSE, DANSER (sediment focus), DANUBELifelines, SWIM (fish habitat focus), and SoS2LearnDBS (Research and Innovation Action). Through Lighthouse coordination activities, stakeholder exchanges, workshops and dissemination activities, EcoDaLLi increased the visibility and transferability of restoration approaches implemented by these projects and contributed to scaling their impact beyond individual pilot sites.



Figure 2 Danube & Black Sea Lighthouse ecosystem

Collectively, these achievements demonstrate that EcoDaLLi has significantly strengthened the enabling conditions necessary for achieving the Mission Charter objective of protecting and restoring freshwater ecosystems and biodiversity within the Danube & Black Sea Lighthouse region.

Table 1 EcoDaLLi contribution to Mission Charter Objective 1

EcoDaLLi contribution to the implementation of the Mission Charter Objective 1	Evidence
Development of a harmonised methodology for the assessment of Mission-relevant NbS supporting restoration and biodiversity objectives across the Danube & Black Sea Lighthouse	D2.1 Methodology for the Assessment of Mission-Relevant NbS
Development of the Mission-relevant NbS Catalogue providing stakeholders with transferable restoration solutions and ecosystem-based approaches	MS2.1 NbS Catalogue

Identification and documentation of eight innovative ecosystem-based practices demonstrating integration of restoration objectives into planning and governance frameworks	D3.1 Inventory of Innovative Ecosystem-Based Practices
Mapping of key actors involved in freshwater ecosystem restoration, biodiversity conservation and environmental governance throughout the Danube Basin and Delta	D4.1 Inventory of Key Players
Establishment of four regional Living Labs supporting co-creation processes related to biodiversity restoration, ecosystem management and climate adaptation	MS4.2 Living Labs
Development of the Danube Practices Living Lab System supporting long-term governance cooperation and knowledge exchange	MS4.4
Facilitation of knowledge exchange and replication among DANUBE4all, DaWetRest, DALIA and Restore4Life	WP4 Lighthouse coordination activities
Provision of open access to restoration knowledge, practices and governance resources through the EcoDaLLi Portal	WP6

□ KEY ACHIEVEMENTS SUPPORTING OBJECTIVE 1

- ✓ Common framework for assessing Mission-relevant NbS
- ✓ Nature-Based Solutions Catalogue developed
- ✓ 8 innovative ecosystem-based practices identified
- ✓ Key actors mapped across the Danube Basin and Delta
- ✓ 4 regional Living Labs established
- ✓ Danube Practices Living Lab System (PLLS) developed
- ✓ Cooperation facilitated among Lighthouse projects
- ✓ Restoration knowledge shared through EcoDaLLi Portal

Figure 3 EcoDaLLi key achievements supporting Mission Charter Objective 1

3.2. Contribution to Mission Charter Objective 2: Prevent and eliminate pollution of our ocean, seas and waters

The Mission Charter identifies pollution prevention and reduction as a key prerequisite for healthy aquatic ecosystems. Within the methodological scope set out in Section 2, EcoDaLLi supported this objective by strengthening the governance, stakeholder-engagement and knowledge-sharing mechanisms relevant to water-quality management and the reduction of environmental pressures affecting freshwater ecosystems.

A significant contribution was achieved through stakeholder mapping and governance assessment activities implemented under Work Package 3. EcoDaLLi established a stakeholder database comprising 321 identified stakeholders representing public authorities, river basin organisations, environmental agencies, research institutions, civil society organisations and innovation actors across the Danube River Basin. This stakeholder network constitutes an important foundation for future cooperation on pollution prevention and integrated water management.

Through D3.2 and related stakeholder engagement activities, EcoDaLLi organised four regional governance workshops involving 152 participants from across the four Danube Units. These workshops identified governance gaps, implementation barriers and cooperation needs related to water quality management, ecosystem degradation, pollution prevention and climate resilience. The findings provide valuable evidence supporting future policy development and Mission implementation efforts.

The Living Lab activities implemented under WP4 contributed further by creating platforms for discussing integrated water management, ecosystem resilience and nature-based approaches capable of reducing nutrient loads, improving natural water retention and restoring ecological functions supporting water quality improvement.

The NbS methodology (D2.1) and the NbS Catalogue (MS2.1) also contribute indirectly to pollution prevention objectives by promoting ecosystem-based interventions capable of improving natural filtration processes, restoring wetlands and increasing ecosystem capacity to absorb environmental pressures.

EcoDaLLi was aimed at strengthening the stakeholder-cooperation, governance-coordination and knowledge-transfer mechanisms required to support future pollution-prevention measures in line with the Mission Charter.

To sum up, EcoDaLLi did not directly implement pollution reduction interventions and therefore does not claim measurable reductions in pollution loads. The project's contribution consists of creating governance, stakeholder and knowledge conditions supporting future implementation of pollution prevention measures.

Table 2 EcoDaLLi contribution to Mission Charter Objective 2

EcoDaLLi contribution to the implementation of the Mission Charter Objective 2	Evidence
Establishment of a basin-wide stakeholder network supporting future cooperation on water quality management and pollution prevention	321 stakeholders mapped through WP3
Identification of governance barriers and cooperation needs affecting water quality management through stakeholder consultations	D3.2 Reports of at least 4 sessions organised by EcoDaLLi as part of established events

Organisation of four regional governance workshops addressing water management, ecosystem degradation and environmental pressures	152 workshop participants
Facilitation of Living Lab discussions on ecosystem resilience, water management and nature-based approaches relevant to pollution prevention	MS4.2 and MS4.4
Promotion of NbS supporting natural filtration, wetland restoration and ecosystem resilience	D2.1 and MS2.1
Development of governance structures supporting future implementation of pollution reduction measures	D4.1 and WP4 outputs

□ KEY ACHIEVEMENTS SUPPORTING OBJECTIVE 2

- ✓ 321 stakeholders mapped
- ✓ Governance barriers identified
- ✓ 4 governance workshops organised
- ✓ 152 participants engaged
- ✓ Living Labs supported water management discussions
- ✓ NbS approaches promoted for pollution prevention
- ✓ Governance structures strengthened
- ✓ Conditions created for future pollution reduction actions

Figure 4 EcoDaLLi key achievements supporting Mission Charter Objective 2

3.3. Contributions to Mission Charter Objective 3: Make the sustainable blue economy carbon-neutral and circular

EcoDaLLi contributed to Mission Charter Objective III by strengthening the innovation ecosystem required for the deployment, replication and scaling-up of sustainable solutions supporting ecosystem restoration and water management throughout the Danube River Basin.

EcoDaLLi strengthened the innovation ecosystem supporting freshwater ecosystem restoration and sustainable development by identifying barriers to innovation uptake, facilitating cooperation between innovators and stakeholders, and improving access to innovation support mechanisms. Through stakeholder consultations, surveys and innovation ecosystem assessments, EcoDaLLi analysed the barriers limiting innovation deployment and replication throughout the Danube & Black Sea Lighthouse region. These analyses identified governance fragmentation, limited access to support services, insufficient interaction between innovators and public authorities and challenges related to the scaling-up of environmental innovations.



To address these barriers, EcoDaLLi initiated the development of a catalogue of innovation support services and established mechanisms supporting innovators throughout different stages of development and deployment. These activities contribute to improving access to expertise, increasing the visibility of innovative solutions and facilitating interactions between innovation providers and potential users.

The project also supported innovation transfer through coordination of the Danube & Black Sea Lighthouse community. By promoting exchanges between DANUBE4all, DaWetRest, DALIA and Restore4Life, EcoDaLLi facilitated the dissemination of innovative approaches addressing ecosystem restoration, water management, climate adaptation and environmental monitoring. This increased the replication potential of solutions developed within the Lighthouse and contributed to building a stronger regional innovation ecosystem.

The EcoDaLLi Portal further supported innovation uptake by serving as a central access point for knowledge resources, restoration practices, stakeholder information and innovation support mechanisms. Through this digital infrastructure, innovators gained improved access to relevant knowledge, potential partners and governance actors.

Although EcoDaLLi did not directly finance or deploy market-ready innovations, the project established important preconditions for the future uptake and scaling of sustainable solutions contributing to climate resilience, ecosystem restoration, resource efficiency and circular development pathways in the Danube River Basin.

Table 3 EcoDaLLi contribution to Mission Charter Objective 3

EcoDaLLi contribution to the implementation of the Mission Charter Objective 3	Evidence
Assessment of the Danube innovation ecosystem and identification of barriers affecting innovation uptake and scaling	WP5
Development of innovation support services connecting innovators, governance actors and end users	WP5
Promotion of innovation transfer and replication among Lighthouse Innovation Actions	WP4 and WP5
Establishment of the Danube Innovation Community supporting quadruple-helix cooperation	WP4
Dissemination of innovative restoration and water-management solutions through the EcoDaLLi Portal	WP6
Support to future scaling and uptake of sustainable environmental innovations across the Danube & Black Sea Lighthouse	WP5



KEY ACHIEVEMENTS SUPPORTING OBJECTIVE 3

- ✓ Innovation ecosystem assessed
- ✓ Innovation support mechanisms developed
- ✓ Danube Innovation Community established
- ✓ Innovation transfer facilitated among Lighthouse projects
- ✓ Innovation resources provided through EcoDaLLi Portal
- ✓ Cooperation between innovators strengthened
- ✓ Conditions created for scaling sustainable solutions

Figure 5 EcoDaLLi key achievements supporting Mission Charter Objective 3

3.4. Contributions to Mission Charter Enabler 1: Digital Ocean and Water Knowledge System, and Enabler 2: Public Mobilisation and Engagement

EcoDaLLi established a basin-scale digital knowledge infrastructure that improves access to Mission-relevant information, supports knowledge transfer and facilitates stakeholder engagement across the Danube & Black Sea Lighthouse. This achievement was realised through the development of the EcoDaLLi Portal.

The portal was established under Work Package 6 and serves as a central repository and knowledge-sharing platform integrating project outputs, governance resources, stakeholder information, innovation support services, NbS and ecosystem-based practices relevant to the Danube & Black Sea Lighthouse.

D6.2 – Created content catalogue for stakeholder engagement, created the framework for organising and presenting project knowledge in a structured and accessible format. The portal integrates outputs generated under WP2, WP3, WP4 and WP5 and provides stakeholders with access to restoration methodologies, governance inventories, innovation resources and Mission-related information.

The portal hosts the NbS Catalogue, inventories of ecosystem-based practices, Living Lab outputs, governance resources and communication materials, thereby facilitating knowledge transfer among researchers, public authorities, innovators and citizens.

EcoDaLLi further supported FAIR principles (Findable, Accessible, Interoperable and Reusable) through the implementation of the Data Management Plan (D1.4), ensuring that project knowledge is findable, accessible, interoperable and reusable.



Through this digital infrastructure, EcoDaLLi contributes directly to the Mission Charter objective of strengthening the Digital Ocean and Water Knowledge System and ensuring long-term accessibility of Mission-related knowledge beyond the project lifetime.

Public mobilisation and stakeholder engagement represent one of EcoDaLLi’s strongest and most measurable contributions to the implementation of the Mission Charter.

The WP3 stakeholder database contained 321 unique stakeholder records as of June 2026, covering public authorities, river basin organisations, research institutions, civil society organisations and innovation actors. The figure refers to stakeholders identified and mapped; participation in specific activities is reported separately.

To support participatory governance and stakeholder involvement, EcoDaLLi organised four regional workshops involving 152 participants. These workshops enabled stakeholders to identify governance needs, discuss implementation barriers and contribute directly to the development of Mission-relevant solutions.

The project further established a Knowledge Sharing Community (MS4.1), launched four Living Labs (MS4.2) and developed the Danube Practices Living Lab System (MS4.4). Together, these structures created a permanent framework for stakeholder engagement and co-creation.

Three major Living Lab events attracted 481 participants representing public authorities, researchers, NGOs, businesses and citizen groups. These events facilitated direct interaction between Mission Ocean projects and regional stakeholders and increased awareness of restoration, biodiversity and climate adaptation challenges.

At the Lighthouse level, EcoDaLLi contributed to the development of the Danube & Black Sea Lighthouse Roadmap and supported the establishment of thematic Task Forces addressing stakeholder engagement, citizen engagement, innovation uptake and Mission implementation.

Communication and dissemination activities implemented under Work Package 8 further strengthened public engagement through the project website, social media channels, newsletters and communication campaigns. The joint Lighthouse newsletter reached more than 300 subscribers and contributed to disseminating Mission-related information throughout the Danube region.

By combining stakeholder mobilisation, participatory governance, knowledge sharing and communication activities, EcoDaLLi created durable engagement structures that will continue supporting Mission Charter implementation beyond the end of the project.

Table 4 EcoDaLLi contribution to the Mission Charter enablers

EcoDaLLi contribution to the implementation of the Mission Charter enablers	Evidence		
Development and operation of the EcoDaLLi Portal as a basin-scale digital knowledge platform integrating	WP6;	D6.2	Content Catalogue



governance resources, restoration practices, innovation support services and project outputs	
Publication of the NbS methodology and Mission-relevant NbS Catalogue through the EcoDaLLi Portal	D2.1 Methodology for the Assessment of Mission-Relevant NbS; MS2.1 NbS Catalogue
Publication of governance inventories, ecosystem-based practices and stakeholder resources through a single digital access point	D3.1 Inventory of Innovative Ecosystem-Based Practices; D4.1 Inventory of Key Players for the Achievement of Mission Objectives at Danube Basin and Delta Level
Implementation of FAIR-oriented data management procedures and knowledge-sharing practices supporting accessibility and reuse of project outputs	D1.4 Data Management Plan
Establishment of a basin-wide stakeholder community representing public authorities, academia, civil society organisations, innovation actors and businesses	WP3; 321 stakeholders identified and engaged
Organisation of stakeholder-tailored governance workshops addressing biodiversity, water management and sustainability challenges	D3.2; 4 regional workshops involving 152 participants
Establishment of the Knowledge Sharing Community supporting exchange of practices and experiences among Mission actors	MS4.1 Knowledge Sharing Community
Establishment of four regional Living Labs supporting co-creation and stakeholder participation in Mission-related activities	MS4.2 Living Labs
Development of the Danube Practices Living Lab System as a governance support mechanism facilitating cooperation across governance levels	MS4.4 Danube Practices Living Lab System
Organisation of Living Lab events focusing on biodiversity restoration, water management and climate adaptation	WP4; 481 participants engaged
Facilitation of cooperation and knowledge exchange among the Innovation Actions	WP4 Lighthouse coordination activities
Development of the Danube & Black Sea Lighthouse Roadmap and contribution to Lighthouse Task Forces supporting Mission implementation	WP4
Communication and dissemination activities through the project website, social media channels, newsletters and events	WP8; joint Lighthouse newsletter reaching more than 300 subscribers
Long-term availability of restoration, governance and innovation knowledge through the EcoDaLLi Portal beyond project completion	WP6; EcoDaLLi Portal

KEY ACHIEVEMENTS SUPPORTING THE ENABLERS

- ✓ EcoDaLLi Portal established
- ✓ FAIR principles implemented
- ✓ Mission Charter promoted throughout the Lighthouse
- ✓ Stakeholder community expanded
- ✓ Living Labs strengthened public engagement
- ✓ Knowledge resources made openly accessible
- ✓ Digital knowledge and public mobilisation supported

Figure 6 EcoDaLLi key achievements supporting the Mission Charter enablers

3.5. Synthesis of outputs, target audiences, outcomes and potential impacts

The preceding sections describe EcoDaLLi’s contributions to the Mission Charter objectives and enablers. This subsection synthesises the principal results by linking project outputs and activities to their main target audiences, the available evidence of engagement or use, the outcomes supported and their potential longer-term impacts on Mission implementation. Given the contribution-oriented scope of D4.4, longer-term impacts are presented as plausible contribution pathways rather than effects directly attributed to the EcoDaLLi project.

Table 5 Outputs, target audiences, outcomes and potential impact pathways

EcoDaLLi output	Target audience	Outcome supported	Potential longer-term impact	Supporting sources
Restoration knowledge and NbS	IAs, RIAs; public authorities; river-basin organisations; planners and restoration practitioners	Improved access to a common assessment approach, transferable restoration examples and ecosystem-based practices	More consistent assessment, adaptation and potential replication of restoration solutions across the Danube & Black Sea Lighthouse	D2.1; MS2.1; D3.1; WP6
Governance and	Public authorities;	Improved visibility of relevant actors,	Better-connected governance	D4.1; D3.2; MS4.1;

stakeholder cooperation	river-basin organisations; environmental agencies; research organisations; civil society and regional stakeholders	stronger dialogue across governance levels and a shared understanding of governance gaps and cooperation needs	networks and improved conditions for coordinated ecosystem restoration, water management and pollution prevention	MS4.2; MS4.4
Innovation support and sustainable blue-economy transition	Innovators; businesses; research organisations; public authorities; potential users and IAs	Greater visibility of innovation barriers and support opportunities and stronger interaction among innovation and governance actors	Improved conditions for the uptake, scaling and transfer of environmental and blue-economy solutions	Relevant WP5 outputs and Danube Innovation Community records
Knowledge access and public mobilisation	Lighthouse projects; public authorities; researchers; businesses; civil society organisations; potential Charter signatories and the wider Mission community	Improved access to project knowledge, increased awareness of the Mission Charter and stronger stakeholder participation	Continued reuse of project resources and broader, more sustained participation in Mission Charter implementation	WP6; D6.2; Annex 1; Charter campaign records; Annex 2
Lighthouse and Mission-level coordination	IAs, RIAs; Mission-level coordination and governance structures; regional and basin-level organisations	Stronger alignment, exchange and visibility among Lighthouse initiatives and improved communication of Danube and Black Sea priorities	More coherent Mission implementation and stronger links between freshwater, marine, regional and European initiatives	WP4 coordination records; Lighthouse Roadmap; Task Force, Mission-forum and joint-event documentation

The synthesis shows that EcoDaLLi's contribution extended beyond the production of individual deliverables. Its principal outcomes concerned improved access to knowledge,



stronger stakeholder and governance cooperation, increased interaction among innovation actors, wider public mobilisation and enhanced coordination among Mission-funded initiatives. These outcomes provide enabling conditions for longer-term Mission implementation, while their continuation and broader impact depend on the future actions of public authorities, Innovation Actions, Mission-level structures and other stakeholders.



4. Cross-cutting achievements towards the Mission Charter

Beyond its thematic contributions to the Mission Charter objectives and enablers, EcoDaLLi generated several cross-cutting achievements that strengthened the overall implementation of the Mission within the Danube & Black Sea Lighthouse. These achievements relate to stakeholder mobilisation, Charter promotion, project coordination, knowledge exchange and the establishment of long-term cooperation structures that will continue supporting Mission implementation beyond the project's lifetime.

4.1. Promoting the Mission Charter in the Danube & Black Sea Lighthouse

One of EcoDaLLi's most important cross-cutting contributions was the promotion of the Mission Charter and the mobilisation of stakeholders around the objectives of the Mission Restore our Ocean and Waters. Throughout the project, EcoDaLLi actively raised awareness of the Charter among public authorities, research organisations, civil society organisations, businesses and local communities across the Danube River Basin.

The project integrated Mission Charter objectives into stakeholder engagement activities, workshops, Living Labs, communication campaigns and Lighthouse coordination events. By systematically presenting the Mission objectives and encouraging stakeholders to align their activities with the Mission framework, EcoDaLLi contributed to increasing awareness of the Charter and strengthening stakeholder ownership of Mission-related actions.

Particular emphasis was placed on explaining the relevance of the Mission Charter to freshwater stakeholders, many of whom were initially more familiar with traditional river basin management frameworks than with the Mission Ocean initiative. Through targeted communication and engagement activities, EcoDaLLi helped bridge this gap and improved understanding of how local and regional actions can contribute to Mission objectives at European level.

4.2. Supporting the mobilisation of Mission Charter actions and outreach activities

EcoDaLLi contributed to creating favourable conditions for the mobilisation of Mission Charter actions within the Danube & Black Sea Lighthouse. Through stakeholder mapping, governance engagement, Living Lab activities and cooperation with Lighthouse projects, the project identified organisations and initiatives with the potential to contribute to the Mission objectives and encouraged their active participation in Mission-related activities.

EcoDaLLi actively contributed to the visibility and implementation of the Mission "Restore our Ocean and Waters by 2030" through participation in and organisation of a wide range of



Mission-related events, outreach activities and stakeholder engagement initiatives. Project representatives participated in European, macro-regional, national and local events dedicated to water management, ecosystem restoration, climate adaptation, innovation and Mission implementation, promoting Mission objectives and increasing awareness of the Danube & Black Sea Lighthouse.

The project organised stakeholder workshops, Living Lab events, governance dialogues and dissemination activities that provided opportunities to communicate Mission objectives, showcase Danube & Black Sea Lighthouse achievements and facilitate dialogue among diverse stakeholder groups. These events strengthened interaction between stakeholders from different sectors and governance levels and contributed to the dissemination of Mission-related knowledge throughout the basin. Particular value was generated through the integration of Mission-related discussions into Living Lab activities, enabling stakeholders not only to receive information but also to actively contribute to shaping solutions aligned with Mission objectives.

EcoDaLLi also played an important role in supporting the promotion and uptake of the Mission Charter. Prior to the launch of the dedicated Charter campaign, a total of 40 Charter actions had already been submitted across the Danube and Black Sea basin by September 2024. To strengthen outreach efforts and support stakeholder mobilisation, a Mission Charter Promotion Toolkit (*Annex 1*) was developed, comprising a social media campaign series, a Charter factsheet, a promotional presentation and a standardised e-mail template. These materials provided project partners and Lighthouse stakeholders with practical tools for communicating the benefits of Charter participation and encouraging new commitments.

Between September and December 2024, EcoDaLLi and Danube & Black Sea Lighthouse partners reported 109 stakeholder invitations through the Charter campaign reporting process. This is a minimum documented figure based on partner self-reporting; it is a joint Lighthouse outreach result and is not attributable solely to EcoDaLLi.

The outreach campaign continued in 2025 through Mission-related events, stakeholder meetings, workshops and dissemination activities organised by the Lighthouse partners. These coordinated efforts contributed to a substantial increase in Mission Charter commitments. By March 2025, the number of submitted Charter actions had reached 122, representing an increase of 82 actions compared to the baseline established before the campaign launch (40). At the time of the current reporting, a total of 145 Charter actions has been submitted across the Danube and Black Sea basin.



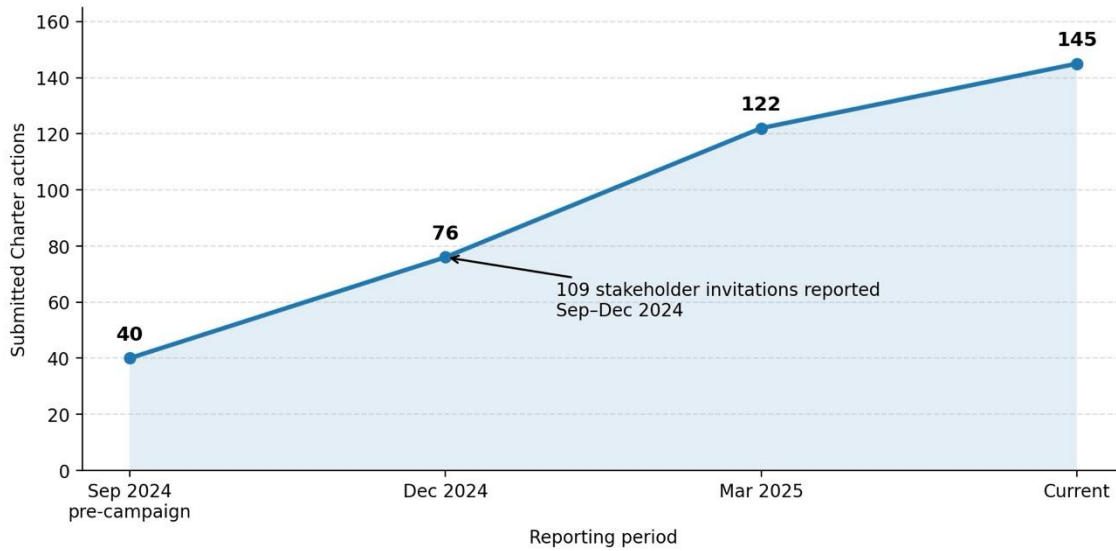


Figure 7 Dynamics in the number of Mission Charter pledges in the Danube & Black Sea Lighthouse

These results demonstrate the effectiveness of combining Mission-related events, stakeholder engagement and targeted communication activities to support the implementation of the Mission Charter. By facilitating dialogue, providing communication tools and mobilising stakeholders across the Danube & Black Sea Lighthouse, EcoDaLLi contributed to expanding the Mission Charter community and strengthening collective commitment to the objectives of Mission Ocean.

CROSS-CUTTING ACHIEVEMENTS

- ✓ Mission Charter Promotion Toolkit developed
- ✓ 145 Charter actions mobilised
- ✓ 109 stakeholder invitations reported
- ✓ Lighthouse cooperation strengthened
- ✓ Mission visibility increased
- ✓ Long-term governance structures established
- ✓ Lasting Mission legacy supported

Figure 8 EcoDaLLi cross-cutting achievements supporting the Mission Charter

4.3. Strengthening cooperation within the Danube & Black Sea Lighthouse

EcoDaLLi played a central role in facilitating cooperation among projects and organisations operating within the Danube & Black Sea Lighthouse. Through coordination activities, joint meetings, thematic exchanges and communication actions, the project contributed to the creation of a more coherent Lighthouse community and strengthened alignment among Mission-funded initiatives.

The project supported exchanges among DANUBE4all, DaWetRest, DALIA and Restore4Life, facilitating mutual learning and increasing the visibility of project results. This cooperation reduced fragmentation, encouraged synergies and strengthened the collective contribution of the Danube & Black Sea Lighthouse to the implementation of the Mission Charter.

The development of the Danube & Black Sea Lighthouse Roadmap and participation in Lighthouse Task Forces helped identify shared priorities and provided practical mechanisms for coordination at basin level. These activities contributed to reducing fragmentation and strengthening the collective contribution of Lighthouse projects to the implementation of the Mission Charter.

EcoDaLLi also contributed to the visibility of the Danube & Black Sea Lighthouse within the wider Mission Ocean community through participation in Mission fora, cooperation with basin-level initiatives and engagement with Mission governance structures. In particular, the project helped ensure that freshwater ecosystem challenges, river-basin governance and Danube-specific perspectives were represented in broader Mission discussions.

The relationships, coordination mechanisms and common resources developed through these activities provide a basis for continued cooperation and knowledge exchange beyond the project period. More detailed consideration of the sustainability and potential continuation of these structures is provided in Section 5.2.

A concrete example of this cooperation was the joint event organised by EcoDaLLi and the Balkan and Black Sea Commission in Batumi, Georgia, in November 2024. The event focused on the restoration of marine ecosystems and the transition towards a sustainable blue economy, providing a platform for dialogue among regional authorities, Mission-related initiatives and other stakeholders active in the Black Sea region. It supported the exchange of knowledge and experiences, strengthened links between Danube and Black Sea actors, and helped connect freshwater and marine perspectives within the wider Mission Ocean framework.

Table 6 EcoDaLLi cross-cutting contributions to the Mission Charter

Cross-cutting EcoDaLLi contribution towards the implementation of the Mission Charter	Evidence
Promotion of the Mission Charter and Mission Restore our Ocean and Waters objectives through stakeholder engagement, workshops, Living Labs, communication activities and Lighthouse events	WP3, WP4, WP8
Awareness-raising among freshwater stakeholders regarding the relevance of the Mission Charter and opportunities for participation in Mission-related activities	WP3 stakeholder engagement activities; WP8 communication activities
Support for the mobilisation of Mission Charter actions through stakeholder outreach, networking and dissemination of Mission opportunities	WP3, WP4, WP8
Integration of Mission Charter objectives into stakeholder consultations, governance discussions and co-creation processes throughout the Danube River Basin	D3.2; MS4.2; MS4.4
Organisation and participation in Mission-related events promoting Mission objectives, restoration actions, governance cooperation and innovation uptake	WP4; WP8
Contribution to the development of the Danube & Black Sea Lighthouse Roadmap and participation in Lighthouse Task Forces supporting coordinated Mission implementation	WP4; WP3
Strengthening the visibility of the Danube & Black Sea Lighthouse within the wider Mission Ocean and Waters community through participation in Mission fora and coordination activities	WP4; WP8
Promotion of synergies among restoration, governance, innovation and stakeholder engagement activities implemented by Lighthouse projects	WP4 coordination activities
Establishment of long-term cooperation mechanisms and networks supporting Mission implementation beyond the lifetime of the project	D4.1; MS4.1; MS4.2; MS4.4
Creation of long-term digital and organisational structures supporting continued implementation of Mission objectives after project completion	WP6 EcoDaLLi Portal; WP4 governance structures

5. Conclusion & EcoDaLLi legacy

5.1. Conclusion

This report has documented EcoDaLLi's contribution to the implementation of the Mission Charter within the Danube & Black Sea Lighthouse. In line with the contribution-oriented approach defined in Section 2, the project strengthened the governance, knowledge, stakeholder-engagement, innovation and coordination conditions supporting Mission implementation across the Danube River Basin and Black Sea region.

The project supported Mission Charter Objective 1 by strengthening the knowledge base and governance framework required for ecosystem restoration and biodiversity protection. Through the development of NbS methodologies and catalogues, governance inventories, Living Labs and cooperation mechanisms, EcoDaLLi improved stakeholders' capacity to identify, assess and replicate restoration practices. The project also enhanced cooperation among Lighthouse projects addressing freshwater, wetland, sediment and fish habitat restoration, thereby supporting more integrated approaches to ecosystem management.

With regard to Mission Charter Objective 2, EcoDaLLi contributed to pollution prevention through stakeholder mobilisation, governance strengthening and knowledge exchange. The project established a basin-wide stakeholder network, facilitated governance dialogues and created opportunities for discussing integrated water management and ecosystem resilience. These activities created important preconditions for future pollution-prevention action by strengthening cooperation and improving access to knowledge and governance resources.

EcoDaLLi also contributed to Mission Charter Objective 3 by strengthening the innovation ecosystem supporting sustainable water management and ecosystem restoration. Through innovation assessments, support services, stakeholder engagement and the establishment of the Danube Innovation Community, the project facilitated interactions between innovators, governance actors and end users and contributed to improving the conditions for innovation uptake and replication throughout the Lighthouse.

Beyond the three Mission objectives, EcoDaLLi made important contributions to the Mission Charter enablers. The EcoDaLLi Portal established a basin-scale digital knowledge infrastructure supporting access to information, practices and governance resources. At the same time, stakeholder engagement activities, Living Labs, governance workshops and Mission Charter promotion efforts strengthened public mobilisation and participation across the Danube & Black Sea basin.

A particularly important achievement of the project was its role in coordinating and connecting actors across the Danube & Black Sea Lighthouse. EcoDaLLi facilitated cooperation among Innovation Actions, Research and Innovation Actions, public authorities, research organisations, civil society organisations, businesses and local communities. By creating opportunities for collaboration, knowledge exchange and joint action, the project increased the coherence and visibility of Lighthouse activities and contributed to transforming individual projects into a more integrated Mission implementation community.



The successful promotion of the Mission Charter represents another significant achievement. Through the development of the Charter Promotion Toolkit, stakeholder outreach activities and cooperation with Lighthouse partners, EcoDaLLi contributed to the mobilisation of 145 Charter actions and supported the expansion of stakeholder engagement across the basin. These results demonstrate the value of coordinated outreach and stakeholder mobilisation efforts in advancing Mission implementation.

In conclusion, EcoDaLLi has made a substantial contribution to the implementation of the Mission Charter by creating the enabling environment necessary for collective action. The project's legacy extends beyond its individual outputs and activities and is reflected in the governance structures, stakeholder networks, innovation support mechanisms, digital knowledge resources and cooperation frameworks established during implementation. Together, these achievements provide a strong foundation for the continued development of the Danube & Black Sea Lighthouse and for the long-term implementation of Mission Ocean.

5.2. EcoDaLLi Legacy

The legacy elements described below are based on resources, structures, networks and cooperation mechanisms established and documented during EcoDaLLi implementation. The references provided identify the project outputs and records underpinning each legacy element. Statements concerning their possible future use or continuation are presented as potential pathways rather than as confirmed post-project outcomes or impacts.

Governance legacy

EcoDaLLi contributed to improving understanding of the governance landscape relevant to Mission implementation through the mapping of key actors, the assessment of governance needs and the establishment of participatory cooperation structures. The resulting inventories and analyses provide a documented reference base for public authorities, river-basin organisations, Mission-funded projects and other stakeholders addressing ecosystem restoration, water management and environmental governance. The four regional Living Labs and the Danube Practices Living Lab System also provide tested formats and practical experience for stakeholder engagement and participatory dialogue. Their future application will depend on the interests, mandates and resources of the organisations involved.

Supporting sources: D4.1 – Inventory of key players for the achievement of Mission objectives at Danube basin and Delta level; D3.2 – Results of at least 4 sessions organised by EcoDaLLi as part of established events; MS4.2 – Identify 4 LL per Danube units & its Delta; MS4.4 – Design PLLS.

Knowledge legacy

EcoDaLLi generated a set of documented knowledge resources addressing NbS, ecosystem-based practices, governance, innovation and stakeholder engagement. These include the methodology for assessing Mission-relevant NbS, the NbS Catalogue, the inventory of innovative ecosystem-based practices and the digital resources made available through the





EcoDaLLi Portal. Together, these outputs provide an accessible knowledge base that may support future Mission-related activities, informed decision-making and the transfer of relevant practices. Continued use and uptake by external organisations have not been systematically assessed and are therefore presented as potential legacy pathways.

Supporting sources: D2.1 – Methodology for Mission-relevant NbS assessment; MS2.1 – NbS catalogue finished; D3.1 – Inventory of at least 8 innovative ecosystem-based practices in local, cross-border, transnational spatial policies in the 4 territorial units & at watershed/basin level of Danube River basin; D6.2 – Created content catalogue for stakeholders engagement; D1.4 – Data Management Plan; D6.1 Online interactive portal.

Community legacy

Through stakeholder mapping, governance workshops, Living Labs, community-building activities and dissemination events, EcoDaLLi created opportunities for interaction among public authorities, researchers, civil society organisations, businesses, Mission-funded projects and other stakeholders across the Danube and Black Sea basin. The Knowledge Sharing Community, regional Living Labs and Danube Practices Living Lab System constitute documented structures through which dialogue and knowledge exchange were supported during the project. These structures and contacts provide a basis for possible continued cooperation, although the frequency and form of future activities will depend on the participating organisations.

Supporting sources: MS3.1 – Guidelines for mapping exercise; MS3.2 – Database on local actors; D3.2 workshop documentation; MS4.1 –Setting up knowledge sharing community; MS4.2 – Identify 4 LL per Danube units & its Delta; MS4.4 – Design PLLLS; WP4 LL event records.

Innovation legacy

EcoDaLLi's innovation-related activities identified barriers and support needs affecting the uptake and scaling of environmental and blue-economy solutions and established mechanisms for interaction among innovators, research organisations, public authorities and potential users. The innovation assessments, support resources and Danube Innovation Community provide a documented basis for further networking and exchange. Any longer-term effects on solution deployment or market uptake would require subsequent monitoring and are not claimed as achieved impacts in this report.

Supporting sources: relevant WP5 innovation ecosystem assessments; consultation, survey and event documentation; D5.1 – The catalogue of services offered; D5.3 – Report on upscaled innovations, MS3.4 - Founding documents of Panel, proposals for innovation potential, innovation upscaling, on citizen engagement techniques.

Lighthouse legacy





EcoDaLLi facilitated cooperation among Innovation Actions, Research and Innovation Actions and other organisations operating within the Danube & Black Sea Lighthouse. Joint meetings, thematic exchanges, Task Force activities, common communication actions, joint events and the development of the Lighthouse Roadmap created documented mechanisms for coordination and mutual visibility among Mission-funded initiatives. These relationships and resources may facilitate continued exchange beyond EcoDaLLi, but their continuation should be understood as a potential pathway rather than a guaranteed result.

Supporting sources: WP4 Lighthouse coordination and meeting records; Danube & Black Sea Lighthouse Roadmap; Lighthouse Task Force documentation; joint presentations and communication records; documentation of joint events, including the Batumi event of November 2024; D3.3 – Shared vision on the spatial policies for the protection and restoration of freshwater ecosystems and biodiversity in the Danube River basin and its Delta; D4.2 - Report of contributions by the consortium to workshops and other gatherings, networking and support actions initiated or carried out by the European Commission services in the context of the Danube Lighthouse; D4.3 - Report on participatory governance structure for the Danube River (including its delta) basin lighthouse, D7.1. - Action Agenda on the protection and restoration of freshwater ecosystems and biodiversity, D7.3 – Danube Lighthouse vision; D7.4 – Danube Innovation Action Plan.

Mission legacy

EcoDaLLi contributed to Mission Charter awareness and stakeholder mobilisation through the Mission Charter Promotion Toolkit, coordinated outreach and cooperation with Innovation Actions and wider Lighthouse partners. The cumulative number of Charter actions recorded across the Danube and Black Sea basin increased from 40 in September 2024 to 145 in June 2026. As clarified in Section 2.1, this increase represents a collective Lighthouse-level result supported by EcoDaLLi coordination rather than an achievement attributable solely to EcoDaLLi. The Toolkit, outreach materials and established stakeholder connections provide resources that may be reused in future Mission-promotion activities.

Supporting sources: Annex 1 – Mission Charter Promotion Toolkit; Mission Charter campaign monitoring records; Annex 2 – Evidence Log; D7.2 – Monitoring framework for the Mission Ocean’s objectives (KPI interactions & analysis).

Sustainability and handover arrangements

To support the continued use of EcoDaLLi results beyond the funded project period, D4.4. identifies possible approaches for sustaining its main digital resources, knowledge outputs, stakeholder communities and cooperation mechanisms.

EcoDaLLi Portal (<https://portal.ecodalli.eu/>)

The EcoDaLLi Portal is intended to remain available as a stable access point to project methodologies, catalogues, governance inventories, Living Lab outputs and communication resources, subject to the continuation of the relevant hosting and technical arrangements.





All public deliverables and other key knowledge outputs will be preserved there and, where appropriate, through recognised open repositories. Metadata, access conditions and reuse information will be retained in accordance with the FAIR principles and the EcoDaLLi Data Management Plan.

Living Labs, the PLLS and stakeholder communities

The sustainability of the four regional Living Labs and the Danube Practices Living Lab System will be supported through the transfer of the methodologies, facilitation materials, event documentation, stakeholder-mapping results and lessons learned generated during the project. These resources will remain available to project partners and other organisations wishing to apply participatory approaches in future Mission-related activities.

The Danube Innovation Community and Knowledge Sharing Community provide an additional basis for continued interaction among public authorities, researchers, civil society organisations, businesses, innovators and other Mission actors. Their continuation may be supported through existing communication channels, future Lighthouse events and successor EU-wide, national or regional initiatives. The frequency and format of future activities will depend on the mandates, resources and commitments of the participating organisations.

Lighthouse cooperation and coordination resources

The cooperation mechanisms developed between EcoDaLLi, the Innovation Actions, Research and Innovation Actions and wider Lighthouse partners will be supported through the transfer of relevant coordination materials, contact lists, meeting records, joint communication resources and follow-up actions. The Danube & Black Sea Lighthouse Roadmap and materials developed through the Lighthouse Task Forces will provide a reference for future coordination, joint dissemination and knowledge exchange.

Mission Charter Promotion Toolkit

The Mission Charter Promotion Toolkit, including the factsheet, presentation materials, outreach templates and social media resources, will remain accessible through the EcoDaLLi Portal or an associated project repository. These materials may be reused and adapted by Lighthouse partners and other Mission actors for future Charter-promotion and stakeholder-mobilisation activities, subject to the applicable acknowledgement and reuse conditions.

Taken together, these sustainability measures aim to ensure that EcoDaLLi's legacy is not limited to the passive availability of project outputs. By preserving digital resources, documenting responsibilities, transferring operational knowledge and connecting project-established structures to successor initiatives, EcoDaLLi provides a practical basis for the continued use of its knowledge, networks and cooperation mechanisms beyond the project's lifetime.




Annexes

Annex 1 – Mission Charter Promotion Toolkit

Factsheet

The Mission Charter


LET'S SHOWCASE THE WORK IN THE DANUBE RIVER BASIN!



EU MISSION 'RESTORE OUR OCEAN AND WATERS BY 2030'


The Mission aims to restore the health of our ocean and waters, by:

- **protecting and restoring** marine and freshwater biodiversity and ecosystems,
- **eliminating** pollution, and
- **making the blue economy** carbon-neutral and circular.




DANUBE & BLACK SEA LIGHTHOUSE

The Danube & Black Sea Lighthouse is one of the four Lighthouses created within the Mission in **four major EU sea and river basins**. These Mission Lighthouses are sites to pilot, demonstrate, develop, and deploy Mission activities.



MISSION LIGHTHOUSES



THE MISSION CHARTER

A **key tool** is the Mission Charter, which serves as the main resource for **showcasing actions that contribute to the Mission's objectives** and for quantifying the Mission's impact and success.

Pledging an action to the Mission Charter is one way for you and your organisation to show support and **get involved in a joint European effort** to protect our ocean and waters.

BENEFITS AS MISSION ACTOR


By endorsing the Charter you will get:

- **visibility** and promotion of your actions
- opportunities for **networking** at Mission events with free and direct access
- access to Mission Implementation Platform **advisory services** (e.g. information on investment and funding opportunities)

DANUBE REPRESENTATION IN THE MISSION CHARTER

By submitting actions to the Mission Charter, we are sending a clear message to the European Institutions about the work happening in our region.


Let's ensure the work in the Danube River Basin is fully represented!




JOIN THE CHARTER AND SUBMIT YOUR ACTION [HERE!](#)

HOW TO CONTRIBUTE?

Mission Charter actions can take many forms, e.g. support research and innovation, offer knowledge, deploy solutions, or engage citizens in protecting our ecosystems. **Every contribution matters.** You just need 10-15 minutes, a title of your action, brief description, and select which Mission objective it contributes to. In case of questions contact the [Mission Helpdesk](#).



Material prepared by EcoDaLLi project.
Disclaimer: Funded by the European Union. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect those of the European Union or CINEA. Neither the European Union nor the granting authority can be held responsible for them.



Promotional presentation



EU Mission 'Restore our Ocean and Waters by 2030'



The Mission 'Restore our Ocean and Waters by 2030' is one of **five EU Missions**, working towards a greener, healthier, more inclusive, and resilient continent. The Missions are a novelty of the European Funding Programme **Horizon Europe** aspiring to provide **solutions to our greatest challenges by 2030**.

The Mission 'Restore our Ocean and Waters' aims to restore the health of one of our most precious common goods: our ocean and waters as a major contributor to the **European Green Deal**, the **Ocean Decade** and the **Sustainable Development Goals**. Research and innovation will be a key component, as well as linking initiatives across disciplines, mobilising policy-makers, stakeholders and citizens, and attracting public and private investments.



EU MISSIONS
RESTORE OUR OCEAN & WATERS BY 2030


#MissionOcean goals:
Protect and restore biodiversity
Cut pollution
Use blue ocean and waters sustainably




Protect a minimum of 30% of EU seas
Strictly protect at least 10% of EU seas
Restore at least 25,000 km of rivers

Protect and restore biodiversity

#MissionOcean goals




Danube & Black Sea Lighthouse




To achieve the challenging goals of the Mission 'Restore our Ocean and Waters', four lighthouse areas were created in four major EU sea and river basins. These Mission Lighthouses are sites to pilot, demonstrate, develop, and deploy Mission activities across EU seas and river basins. Besides the Danube & Black Sea Lighthouse, these are: Baltic-North Sea, Mediterranean and Atlantic-Arctic.

Each **Mission Lighthouse** focuses on a specific Mission objective. Potential solutions demonstrated in a first phase (2021-2025) will be scaled up and replicated across the EU in the second phase (2026-2030).



MISSION LIGHTHOUSES

EU MISSIONS
RESTORE OUR OCEAN & WATERS



Protect and restore aquatic ecosystems
ATLANTIC - ARCTIC

Make the blue economy carbon neutral and circular
BALTIC - NORTH SEA

Protect and restore ecosystems
DANUBE-BLACK SEA

Prevent and eliminate pollution
MEDITERRANEAN



The Mission Charter



Building on the engagement of diverse stakeholders, the Mission 'Restore our Ocean and Waters' has set up the Mission Charter as a key tool for showcasing actions that contribute to the Mission's objectives and for quantifying the Mission's impact and success.

Why should you pledge an action?

Pledging an action to the Mission Charter is a great way to show your and your organisation's valuable work on a European level and get involved in a joint European effort to protect our ocean and waters. You will be able to access services and tools of the Mission, best practices from previous projects as well as tools empowering citizens to take action. You will become part of the Mission community and be involved in major Mission fora and events, allowing you to network with other participating communities.

Pledges to the Mission Charter can take many forms: supporting research and innovation, offering access to knowledge or data, upscaling and deploying novel solutions, providing education, or engaging citizens to protect our aquatic ecosystems. All actions with on-going impact are welcome! Please note that it might take a while until the action is reviewed and accepted.

Joining the Mission Charter only takes 10-15 Minutes and gives you and your organisation visibility and access to a wide community working towards the same goals. A detailed guide, more information, examples of pledges and tips can be found on the PREP4BLUE website. The Mission furthermore offers a Helpdesk that can be contacted at helpdesk_mission_ocean_waters@technopolis-group.com.



[DETAILED GUIDE](#)



Danube Representation in the Mission Charter



EU Mission Funded Projects

vs.

Mission Charter Actions

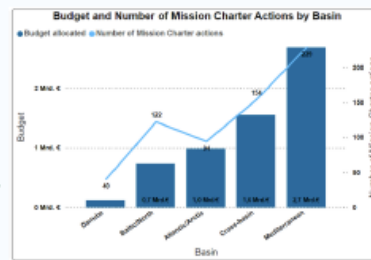
Under the Mission 'Restore our Ocean and Waters' a total of 38 projects were funded so far with an overall budget of 222 Mio €.

Number of Projects	Participants	EU Funding (Mio €)
38	747	222M

11 out of 38 projects included actions in or intended for the Danube-Black Sea Basin with a total of budget of 60 Mio €.



EU Mission Portfolio Dashboard (18.09.2024)



Mission Charter Dashboard (18.09.2024)

With only 40 of 639 pledged actions to the Mission Charter, the Danube Region lags far behind the other Lighthouses. This does not reflect the reality of our region's efforts!

There is a great need to showcase all actions supporting the Mission objectives in the Danube River Basin as a clear signal to European Institutions deciding not at least about the Horizon Europe budgeting and its allocation.



Join the Mission Charter



Basin	Budget allocated (Mrd. €)	Number of Mission Charter actions
Danube	0.7	40
Baltic-North	0.7	122
Atlantic/Iberic	1.0	94
Crows basin	1.8	154
Mediterranean	2.7	205

Mission Charter Dashboard (18.09.2024)

Let's change this graphic.

Let's show the actual number of actions towards a healthy Danube River Basin that are being carried out by dedicated people in our region!

The European Commission, the European Parliament and other actors need to know.

Submit your action [here!](#)

You only need


- a title of your action,
- a brief description, and
- to select which Mission objective it contributes to.

PART OF THE
EU MISSIONS
RESTORE OUR OCEAN & WATERS

EcoDaLLi

Material prepared by EcoDaLLi project.
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Promotional e-mail text for stakeholders\

Subject: Showcase your work for the Danube River Basin in the Mission Charter

Dear [stakeholder name],

as part of the [project name] project, which operates within the Danube & Black Sea Lighthouse of the **EU Mission “Restore our Oceans and Waters by 2030”**, we’re reaching out to highlight an important opportunity for your organization.

The Mission aims to restore the health of our oceans and waters as a key contributor to the European Green Deal, the UN Ocean Decade, and the Sustainable Development Goals. It’s part of the European Funding Programme Horizon Europe, tackling some of our most pressing challenges by 2030.

A key tool for this is the **Mission Charter**, where actions that contribute to the Mission’s objectives are showcased. Unfortunately, the **Danube Region is underrepresented**, with only 40 out of 639 pledged actions, despite the extensive work being done in our region.

As [name of the stakeholder’s institution] is a leading actor in the Danube Region, we know your organization is already contributing to a healthier Danube River Basin. We kindly ask you to **submit your actions to the Mission Charter, sending a clear message to the European Institutions about the work happening in our region.**

Submitting an action will give your institution and action **visibility and networking opportunities** and is easy:

- You only need a title of your action, brief description, and select which Mission objective it contributes to.



- When asked where you heard about the Charter, please select 'other' and mention [project name].
- **You can submit your actions here:**
<https://ec.europa.eu/eusurvey/runner/MissionOceanWatersCharter>. It will only take 10-15 minutes.

Mission Charter Actions can take many forms, they can support research and innovation, offer knowledge, deploy solutions, provide education, or engage citizens in protecting our ecosystems. **Every contribution matters.** Please note that it might take a while until the action is reviewed and accepted.

For more information, please find attached a short factsheet. Should you have any questions or need clarification, feel free to contact me anytime. I'm also available for a short meeting if needed.

Let's ensure the work in our Danube River Basin is fully represented!

Thank you for your support.



Annex 2 – Evidence Log

Quantitative claim	Recommended definition	Primary evidence source	Validation/ check	Attribution
321 stakeholders	Number of unique stakeholder records identified in the WP3 stakeholder database	WP3 stakeholder database	Duplicate records removed using organisation/ name/email; total checked by ADRM (WP3 Lead)	Direct EcoDaLLi output
152 workshop participants	Total participants, across four regional governance workshops	D3.2; four workshop reports; registration or attendance lists	Event-level totals reconciled with attendance records	Direct EcoDaLLi output
481 Living Lab participants	Total participants, across EcoDaLLi Living Lab events	WP4 Living Lab reports; MS4.2/MS4.4 supporting records; attendance sheets	Event totals consolidated in reporting documents	Direct EcoDaLLi output, or jointly delivered where events were co-organised
109 stakeholder invitations	Minimum number of invitations reported by EcoDaLLi and Lighthouse partners between September and December 2024	Mission Charter campaign partner-reporting sheets/e-mails; campaign monitoring file	Partner submissions consolidated	Joint/wider Lighthouse result
122 Charter actions by March 2025	Cumulative number of submitted or published Charter actions recorded across the Danube and Black Sea basin	Mission Ocean platform; EcoDaLLi campaign tracker (SEZ)	Tracker reconciled with the official source	Wider Lighthouse result supported by EcoDaLLi coordination
145 total Charter actions	Cumulative number of validated Charter actions as of the June 2026	Mission Ocean Platform	Total checked on	Wider Lighthouse result; not solely attributable to EcoDaLLi