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RESTORE OUR OCEAN & WATERS

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Deliverable D4.1

Inventory of Key Players for the Achievement of Mission's Objectives at Danube Basin and Delta Level

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List of Abbreviations

DRB	*Danube River Basin*
DD	*Danube Delta*
MD	*Middle Danube*
LD	*Lower Danube*
LL	*Living Lab*
UD	*Upper Danube*
PLLS	*Practice Living Lab System*

1. INTRODUCTION

The present deliverable is developed within the European Project EcoDaLLi - ECOsystem-based governance with DAnube lighthouse Living Lab for sustainable Innovation processes, which is embedded in the Mission 'Restore our Ocean, seas & waters by 2030'.

By coordinated actions, the EcoDaLLi Project contributes to the achievement of the freshwater targets of the European Green Deal, integrating a systemic approach for restoration, protection & preservation for the entire Danube Basin. As the CSA of the Danube Lighthouse EcoDaLLi has been given the Mission Objective to “Protect and Restore marine and freshwater ecosystems and biodiversity, in line with the EU Biodiversity Strategy 2030”. The focus of EcoDaLLi Project is to centralize the Danube governance structures in terms of innovative solutions for improved ecological restoration, protection and preservation of the Danube basin and its Delta by fostering a stronger innovation ecosystem within a well-connected Living Lab system.

1.1 Scope of the Deliverable

Work package 4 “Danube river basin Lighthouse governance and networking” is focused on:

- Setting up community gathering for collective knowledge sharing based on assessing information on existing Living Labs;
- Developing & testing a Practices Living Labs System (PLLS) on 4 sectors of the Danube river;
- Co-building & co-creating knowledge input for Action Plans, by using Living Labs as active tool for effective governance;
- Assessing the potential of using the Practices Living Labs System to illustrate & strengthen the Mission objectives;
- Facilitating the discussion on the Lighthouse implementation Charter.

The current deliverable is associated to Task 4.3.1 “Development of the PLLS” and Task 4.3.2 “Testing of the PLLS”. Task 4.3.1 will build a tool – the Danube Practices Living Lab System" to contribute to the co-creation of knowledge in the Danube Basin Region, integrating information on the: needs, gaps & barrier, local priorities and to identify programs & projects that contribute to the Mission Ocean objectives and are enablers to strengthen the Danube governance.

D4.1 presents the concept for the PLLS tool and contains an inventory of key players for the achievement of the mission objectives from the entire quadruple helix. The aim of the inventory is to capture the present reality of different places & sectors, to map the most relevant governance structures, as well as to identify organizations that are most relevant for the Mission’s objectives.

1.2 Limitations of the Deliverable

The current Deliverable 4.1 „Inventory of key players for the achievement of mission objectives at Danube basin and delta level” is the result of the Subtask 4.3.1 „Development of the PLLS”. We are therefore presenting the concept of this tool. Since the Subtask 4.3.1 Development of the PLLS started in M8 and will conduct activities till M16, while D4.1 is due to be delivered in

M10, there was not enough time to develop this tool properly. For an illustration please refer to Figure 1.

WP/Task/deliverable	Start month	End month	Period 1											Period 2										
			Aug 23	Sep 23	Okt 23	Nov 23	Dez 23	Jan 24	Feb 24	Mrz 24	Apr 24	Mai 24	Jun 24	Jul 24	Aug 24	Sep 24	Okt 24	Nov 24	Dez 24	Jan 25	Feb 25	Mrz 25	Apr 25	Mai 25	Jun 25
			8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
WP4 - Danube river basin Lighthouse governance and networking	1	42																						
T4.1 Danube Innovation Community	3	20																						
T4.2 Investigate & explore innovative solutions associated to Living Labs along the Danube River Basin including its Delta (BOKU)	8	24																						
T4.3 The Danube Practices Living Labs System	8	30																						
T.4.3.1 Development of the PLLS	8	16																						
D4.1 Inventory of key players for the achievement of mission objectives at Danube basin and delta	8	10																						
T.4.3.2 Test the PLLs (Tool)	16	30																						
D4.2 Report of contributions by the consortium to workshops and other gatherings,networking and support actions initiated or carried out by the European Commissionservices in the context of	16	36																						
T4.4 Investigating the Potential of PLLS by the Danube Basin to strengthen the Governance	28	36																						
D4.3 Report on participatory governance structure for the Danube river (including its delta)	28	36																						
D4.4 Report on contributions to the implementation of the Missions charter	28	42																						

Figure 1: Section of the EcoDaLLi Gantt Chart. T4.3.1 and D4.1 are highlighted in red.

The concept needs to be adapted to work in the Danube River Basin and be efficient in extracting the needed information. This aspect can be achieved only during the ongoing activities in T4.3.1 and the activities that will be conducted as part of T4.3.2 „Test the PLLS" which will start in M16 and end in M30. The current document should therefore be viewed as a working document.

The inventory of key players that we are presented here will be constantly updated during the ongoing work in Task 4.3 using the PLLS tool.

The final version of the tool and its results will be summarized at the end of T4.3.1 and tested during T4.3.2. The results from T4.3.2 will be summarized in 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", and used to identify the LL potential to support governance.

2. INVENTORY OF KEY PLAYERS

Designed to deliver the EU's 2030 targets for protecting and restoring ecosystems and biodiversity, for zero pollution, and for decarbonization towards climate-neutrality, within the EU's oceans, seas and waters, the Mission delivers its impact by gathering the necessary resources in terms of funding programs and by combining different actions ranging from R&I to investment and regulation. The Mission has a strong regional dimension, with a focus on "lighthouses" as sites for the development and deployment of innovative solutions (which can be technological, social, business, governance) in 4 main basins: Baltic and North Sea basin; Mediterranean Sea basin; Atlantic & Arctic coast and Danube River basin.

In the Baseline study for the implementation of lighthouses of the Mission "Restore our ocean and waters by 2030" (Chanou et al, 2023) the categories of stakeholders that operate in the lighthouse areas were mapped as: governmental organizations, R&D and innovation entities,

industry and business grouping and networks, NGOs and civil society organizations, philanthropic organizations and financing institutions. Governmental institutions are described in general terms, the other sections focus on organizations/institutions of importance for the Mission´s objectives. As a reminder, the latter are:

1) Protect and restore marine and freshwater ecosystems and biodiversity, in line with the EU Biodiversity Strategy 2030. (Danube Lighthouse objective)

2) Prevent and eliminate pollution of our oceans, seas and waters, in line with the EU Action Plan Towards Zero Pollution for Air, Water and Soil.

3) Make the sustainable blue economy carbon-neutral and circular, in line with the European Climate Law and the holistic vision supported by the Sustainable Blue Economy Strategy.

In accordance with the approach provided in the Baseline study for the implementation of lighthouses of the Mission (Chanou et al., 2023) the EcoDaLLi project partners developed guidelines for the identification of key players (also referred to as stakeholders) for the achievement of the Mission objectives in the Danube Basin as part of the work in WP3 “Innovative practices in spatial policies for the protection and restoration of freshwater ecosystems and biodiversity”. The results are summarized in MS3.1 “Guidelines for mapping exercise” and MS3.2 “Database on local actors”.

The vision of the EcoDaLLi project, regarding the definition of the key players for the achievement of Mission Charter objectives is in line with the Quadruple Helix concept, namely research, governance, business, and citizens. The key players identified in T4.3.1 & T3.1.1 cover the four spatial dimensions of the EcoDaLLi project: Upper Danube, Middle Danube, Lower Danube & the Delta. The mapping also included a fifth dimension (transversal), corresponding to organizations that work in a scope across two or more of these spatial areas (List in Annex 1).

Stakeholders were further classified according to:

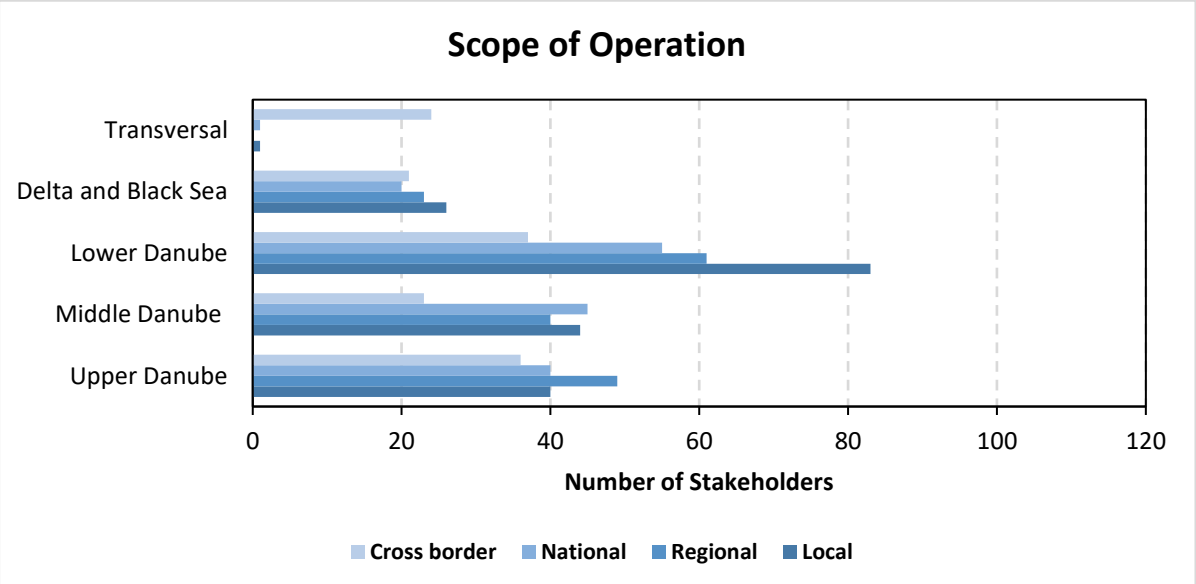

Figure 2: Scope of operation of stakeholders across the Danube River Basin

Level/scope of the operation: local - 194, regional - 173, national - 161, & cross border - 141 (Fig. 2)

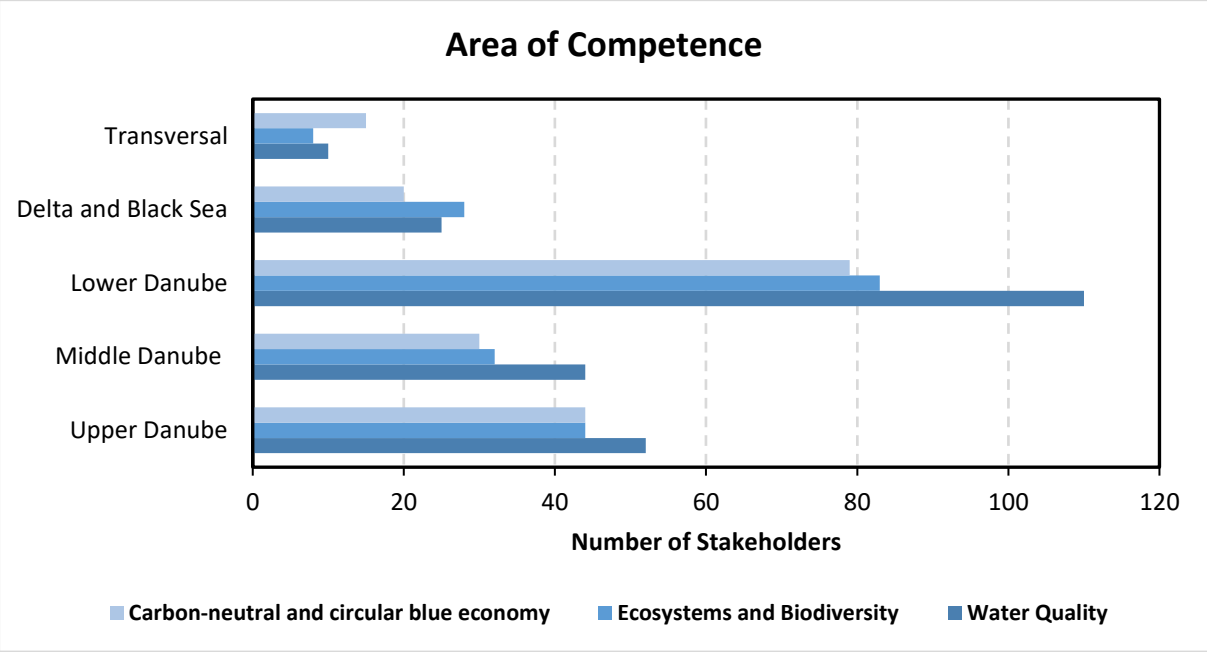

Figure 3: Area of competence of stakeholders across the Danube River Basin

The area of competence in accordance with the Mission objectives: Water quality - 241, Ecosystems and Biodiversity - 195, Carbon-neutral and circular blue economy - 188 (Fig. 3)

According to the EcoDaLLi "Guidelines for mapping exercise", the components of the Quadruple Helix: Research, Governance, Business and Economic Activities, and Civil Society, are defined as follows:

RESEARCH: Universities & research institutions with programs in Ecology, Veterinary sciences, Botanicals, Water resources management, Water quality & sustainability, Civil engineering & infrastructure development, Citizen engagement & governance, etc. These entities are key for both the development of knowledge and innovation, be it technological, societal or organizational. They also contribute to the improvement of the regulatory framework and stakeholder practices. Out of the total 321 stakeholders identified by the EcoDaLLi consortium, 28 belong to this category, namely 9.3%, with the smallest amount in the Danube Delta (4) and the biggest (10) in the Middle Danube region, closely followed by the Upper Danube with 9 entries (Table 1).

GOVERNANCE: decision-making bodies, operating at the international, regional, national, and sub-national levels as well as other entities active in the lighthouses covered by the EcoDaLLi project, including local institutions with a considerable potential to generate considerable impacts or as best practice with significant upscaling potential. These entities are in charge of setting the policy, strategic and regulatory framework for the protection and preservation of freshwater and seas, in addition to designing and implementing the mechanisms to monitor, evaluate and control their implementation. The EcoDaLLi consortium mapped the following types of institution: European Commission & other European Institutions; European funding agencies, National policymakers; local & regional authorities, Public regulatory/ executive,

bodies in areas of water, Ecology/ protected natural sites/ forestry & biodiversity, administration of nature & national parks & reserves, Land use regime and urban planning institutions, Potable water treatment plants and distribution, Wastewater treatment plants, landfills & waste management service. The 136 Governance structures are the best represented stakeholders with a rate of 47.7% of the total entities with relevance for the implementation of the Mission's objectives. The highest number of players (67) are from the Lower Danube region and 17 have a transversal relevance (Table 1).

BUSINESS AND ECONOMIC ACTIVITIES: Innovators: industrial SME&TT networks, Companies in area of fisheries and agriculture, Financiers & Investors: transport & freight forwarding companies; energy companies; utility companies; business associations; clusters & BSOs, Environmental consultancy companies, Water technology developers, Tourism & recreation sector, Industries located in the basin area discharging wastewater, Pharmaceutical industries, Ports, fleet & transportation, Construction sector & urban developers. This key player category relates to professional organizations or federations within economic sectors catalysts to the development of the Danube Basin and Danube Delta lighthouse. The sectors this stakeholder type generates significant impact in are: freshwater and seas, agriculture, tourism, transport and transport infrastructures (ports), industry, energy, waste management, water cleaning facilities, etc. The second highest number of the stakeholders mapped by the EcoDaLLi consortium belong to this section of the Quadruple Helix (78), out of which 50 are located in the Lower Danube region. The Danube Delta and the Black Sea region are registered with 4 entries in this category. The share of the sector is 25.2% of the total stakeholders (Table 1).

CIVIL SOCIETY: includes NGOs & society organizations and Philanthropic organizations. The inventory refers to Citizens, General public, Media groups, Clusters in transport, energy & associations of agricultural producers; Ecological and environmental NGOs; Associations of parks, Ecotourism associations. They play a significant role in knowledge and information dissemination, citizen awareness raising, advocacy and lobbying with decision-making bodies and other entities, in addition to technical experimentation and social innovations and implementation of relevant projects. reinforcing or supporting the role of other type of organizations, as they provide funding alternatives for project implementation. The share of this category is 17.8% of the total number of stakeholders, 55 entries in total. The Lower Danube region identified 19, the Upper Danube region 15, the Middle Danube region 12. The Danube Delta and the Black Sea region mapped 9 in this category (Table 1).

Target groups	Research	Governance	Business	Civil Society	Total
Upper Danube	9	33	12	15	69
Middle Danube	10	24	12	12	58
Lower Danube	5	67	50	19	141
Delta and Black Sea	4	12	4	9	29
Transversal	2	17	3	2	24
Total	30	153	81	57	321

Table 1: Distribution of stakeholders across the Danube River Basin and the Quadruple Helix

For a graphical representation of the distribution of each stakeholder types in the four regions please refer to Figure 4.

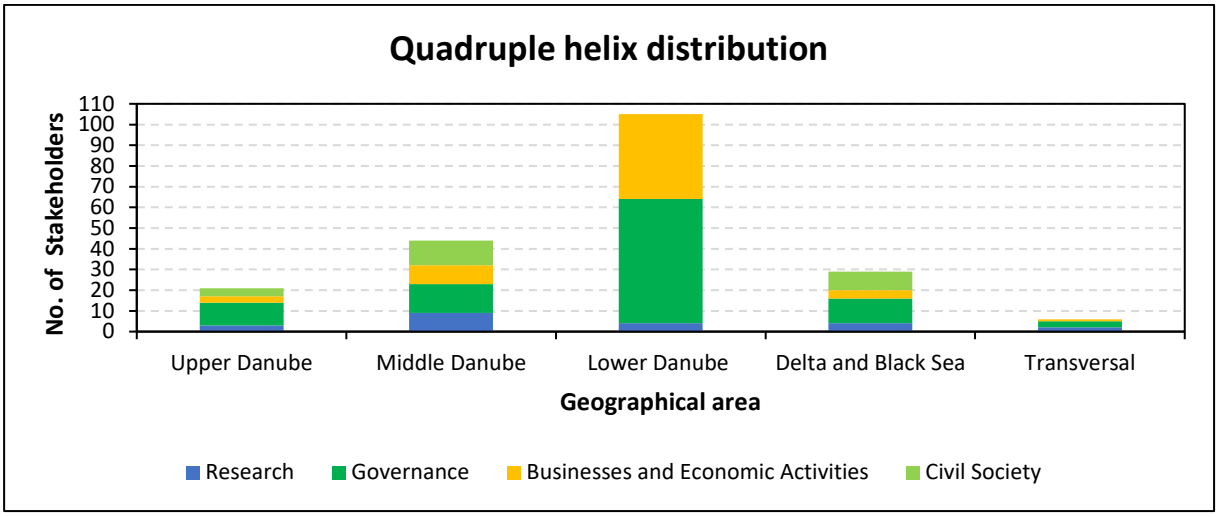

Figure 4: Distribution of stakeholders across the Danube River Basin and the Quadruple Helix

The inventory of key players (stakeholders) for the achievement of the Mission Objectives in the Danube Basin was compiled by the EcoDaLLi project partners using there networks and comprehensive desk research. One important source was the already mentioned Baseline study for the implementation of lighthouses of the Mission 'Restore our ocean and waters by 2030' – Atlantic, Arctic, Danube and Mediterranean lighthouses (Chanou et. al (2023)) In this study the EC had already identified a great number of actors from many sectors that are active in the Danube river basin, operating in the conservation sector on regional or global level (WB, GEF, ICPDR, BSC), internationally recognized NGOs (WWF, Birdlife International, IUCN), and renowned scientific institutions. They identified the following organizations as priority p.artners for the EcoDaLLi project:

- Competent Authorities for Water Framework Directive implementation, who are the main contact points for the Mission with regard to any issues touching on the WFD´s central objectives.
  EUSDR National Coordinators (NCs), operating as the core strategic decision-makers within the governance structure of the EUSDR, and of fundamental importance for implementing the biodiversity elements of the Strategy (PA 06) and the Mission´s objectives.
- International Commission for the Protection of the Danube River (ICPDR) and the Black Sea Commission (BSC) Involved in a high number of project-based and supporting activities, they are vital networking hubs, connecting national state actors, NGOs and the scientific community.
- Green Corridor Agreement, the most ambitious wetland protection and restoration initiative in Europe, between Bulgaria, Moldova, Romania, and Ukraine.
- International Association for Danube Research (IAD), as they coordinate activities in the fields of limnology, water management, water protection and sustainable development in the Danube River basin.
- World Wildlife Fund for Nature (WWF), via the Central and Eastern European branch (WWF CEE) is very present in many restoration and conservation projects in the Danube RB.
- Rewilding Europe, an environmental NGO promoting "rewilding" as a progressive approach to conservation.

- Investment Bank (EIB), active outside the EU for more than 50 years and is firmly committed to supporting EU development policies in non-EU countries.
- Global Environment Facility (GEF), an initiative aimed to address the root causes of environmental degradation in this region and promote investments and capacity building to return the Black Sea/Danube Basin environment to its 1960s condition.
- World Bank (WB) should be involved in the Mission, to avoid contrasting policies to affect the region´s rich biodiversity and the Mission´s objectives, as it is an important sponsor of hydropower projects and advocate for agricultural intensification.
- Coca-Cola Foundation, as strategic partner to the ICPDR. For the Mission, the considerable funds of the Foundation could be capitalized to facilitate high profile restoration and conservation efforts.

A list of all organizations identified as key players so far is included in the appendix. The EcoDaLLi partners are constantly updating the database and will be using the PLLS tool to identify further programs and organizations.

The EcoDaLLi project is maintaining a related database containing information on projects in the Danube Basin that are linked to the Mission objectives. The database was initially stocked with the projects identified in the "Baseline study for the implementation of the Mission "Restore our ocean and waters by 2030": Atlantic, Arctic, Danube and Mediterranean lighthouses" and is constantly being updated by all the partners and the PLLS tool will be used to identify further projects. The database includes all activities related to the Danube basin included in the Mission Charter and also serves as a resource for identifying organizations that may potentially be interested in endorsing the Charter. The database does currently contain 124 projects of which 38 % contribute to Objective 1 of the Mission Ocean & Waters, 44 % contribute to Objective 2, and 18 % contribute to Objective 3 (Fig. 5). For a list of all projects identified so far please refer to Annex 2.

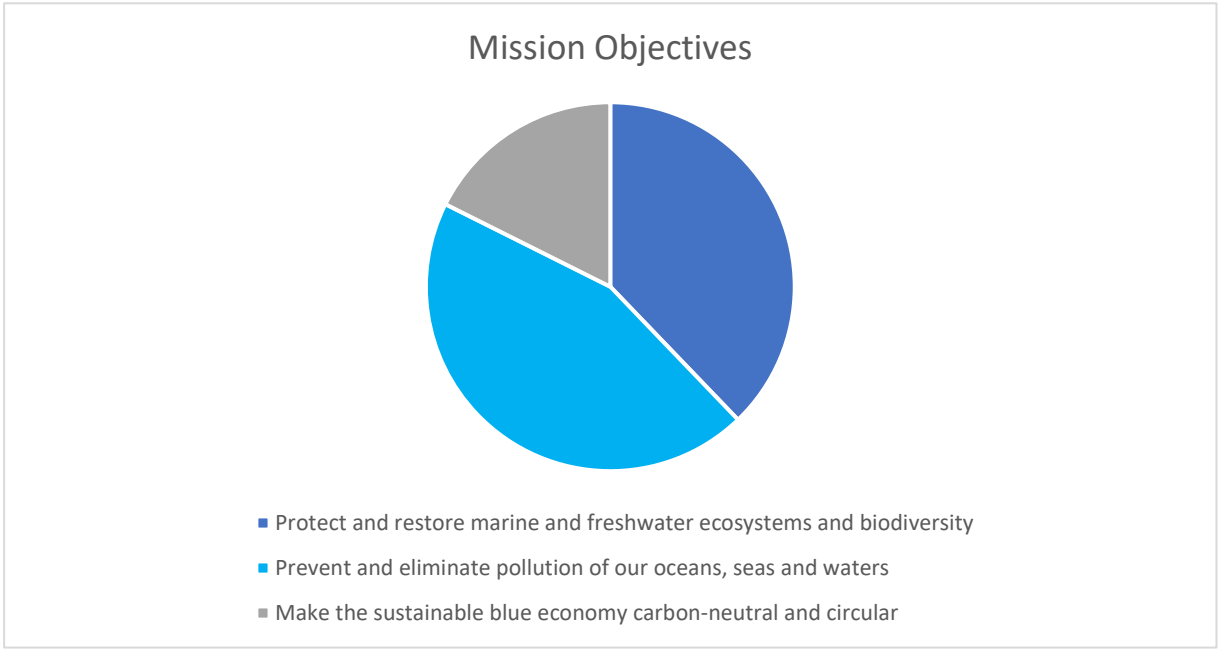

Figure 5: Percentage of projects in the Danube Basin contributing to the Mission Ocean Objectives

3. PRACTICES LIVING LABS SYSTEM (PLLS)

What the PLLS is

Practices Living Labs System (PLLS) is an assessment and evaluation tool for multi-stakeholder innovation contexts, supporting the assessment and evaluation of Living Labs. The development of, and engagement with this tool is part of *T4.3 The Danube Practices Living Labs System* led by Smarter Mobility Solutions (SMS).

3.1 Background

Literature review on Tools to support Living Labs

Living Labs (LL) can be evaluated as dynamic, developing environment. An examination of Living Labs show that they are supported by tools in assessing the information and data related to those live experiments (Overdiek, A., Genova, V. (2021)). The tools support the evaluation (making judgments based on criteria and evidence) & assessment (documenting knowledge, skills, attitudes and beliefs, usually in measurable terms) of Living Labs, facilitating informed decision-making processes.

To date, there are a few tools that look more at the Living Lab's co-creation principles and methodologies. Based on design methodology and user innovation, these tools encourage the definition and evaluation of different phases of the exploration and experimentation process (i.e. Living Lab).

Some examples of tools used to assess LL operational activities are: ENoLL 20 Indicators", "SISCODE Self-assessment", and "SCIROCCO Exchange Tool" (Overdiek, A., Genova, V. (2021)).

Another example, the *network of Living Labs*[1] which will facilitate knowledge sharing and data collection related to food security, shows a wide-spread of Living Labs as live experiments.

PLLS Background

The current approach is based on the experience of SMS' experts in tackling several themes to decarbonise cities and regions, including involvement in port cities by the Danube (Tulcea and Sulina). The process included several steps: engaging with local and regional stakeholders, capturing information, structuring data during live experiments and operational activities associated to decarbonizing mobility in cities, providing feedback, adjusting results, etc.

The outcome of this exercise[2] showed good results in capturing stakeholders' attention and willingness to engage in an ongoing process. However, these steps were at an early stage, so a consolidated answer to a well-designed and tested tool could not be provided by 2021/22 (when the tool was initially tested).

To sum up, the idea of an instrument, an action-oriented tool, was shaped by Smarter Mobility Solutions during various initiatives, meetings and webinars (2019-2022), as a request from

[1] https://www.eco-ready.eu/living-labs/
[2] https://smartermobility.eu/projects

main stakeholders (city mayors or local development agencies), interested to find out priorities for investment on decarbonizing, restoring and preserving places and regions.

Thus, knowing that in EcoDaLLi, several Living Labs will be organized to support the achievement of specific objectives of Mission Ocean, the idea of developing and testing a *specific tool* to be used for assessing the implementation of LL appeared like a good opportunity. The information from literature review on existing few tools, and the need for proper tool(s) for each LL, supports the approach of developing Practices Living Labs System.

Why PLL System?

Literature review shows the tools, practices and *systems* are interconnected, when building open (source) infrastructure to empower a decentralised network of people who *connect data with domain experts.*

PLLS is used to capture stakeholders' perceptions and experience. It encourages us to define and evaluate different phases of the exploration and experimentation process of co-creation.

In short, PLLS is a practical tool that allows living labs conducted within EcoDaLLI to assess the different steps in their *stakeholder cocreation process***.** Tools are needed to assess co-creation, as it is a fluid process by facilitating structured evaluation, assessment, and knowledge sharing.'When assessing co-creation, the complication arises because this iterative process involves *various stakeholders and produces multiple vague solutions and suggestions for future implications* rather than concrete products" (Schmittinger et al. (2022)).

3.2 Building the Tool-methodology

The proposed Tool is based on 8 pillars**:** policy, governance, human capital, financial capital, data, innovation, hard system, soft system (behavioural change); (see Fig 7).

These pillars interact to gather relevant data on major stakeholders acting in all 3 objectives of *Mission Restore our Ocean and Water by 2030*: restoration, pollution and carbon neutrality & circularity. Information on projects and initiatives can also be captured by this tool.

The current policies, governance and human resources are the engine supporting the information flow between different pillars like data, innovations, financial aspects and infrastructure (hard and soft). The pillars allow the outline of an action plan about integrating a LL methodology with projects activities, evaluating specificities (i.e. the achievements of Mission Ocean objectives), during the solution development phase and successfully integrating the approach. The information and evidenced data collected through pillars will provide knowledge on ecosystem innovations on wetlands restoration. Additionally, some solutions developed during the IAs projects within DRB will have an important role in suggesting steps towards an Action Plan. Everything will navigate around the Mission Ocean objectives and Danube Lighthouse status.

Practices Living Labs System will be developed (M08-M16) and tested (M16-M30) to gather information from several stakeholders through Living Labs debates. It is important to understand what a Living Lab is and how it interacts with several stakeholders, so the EcoDaLLi approach to the LL Concept is briefly illustrated below (for a more detailed explanation please refer to the EcoDaLLi Deliverable 1.2 "Scoping Paper").

3.2.1 The Living Lab Concept

A Living Lab (LL), short for “living laboratory,” is a research and innovation concept that involves real-world testing and experimentation of products, services, or solutions within a controlled or semi-controlled environment that mimics everyday life. Living Labs are used to develop and refine innovative ideas, technologies, or solutions in collaboration with end-users, customers, or stakeholders. The primary goal of a Living Lab is to bridge the gap between research and practical implementation by creating an environment where new concepts can be tested be validated in real life situations. Iterative feedback processes are employed to create sustainable impact.

While the concept of Living Labs has been around since the early 2000s to date there is no agreed upon definition of a Living Lab. There are however several hallmarks that are usually found in all published Living Labs:

Real-world context: A Living Lab is often set in actual living or working environments, in this case, the entire Danube River Basin.

User involvement: LL actively involves end-users, consumers, or relevant stakeholders in the co-creation and testing process in DRB. This user-centred approach ensures that the solutions being developed meet the actual needs and preferences of the intended users.

Iterative development: LL promotes an iterative and adaptive approach, allowing for continuous refinement and improvement of products or services based on ongoing feedback and data collection.

Multidisciplinary collaboration: LL typically brings together experts from various fields, including researchers, designers, engineers, and social scientists, community representatives, to collaborate on innovative projects.

Data collection and analysis: They often employ data collection methods, such as sensors, surveys, and behavioral analysis, to gather information on how users interact with the tested products or services.

Innovation ecosystem: Living Labs may be part of a larger innovation ecosystem, including academia, industry, government, and other stakeholders, fostering collaboration and knowledge exchange.

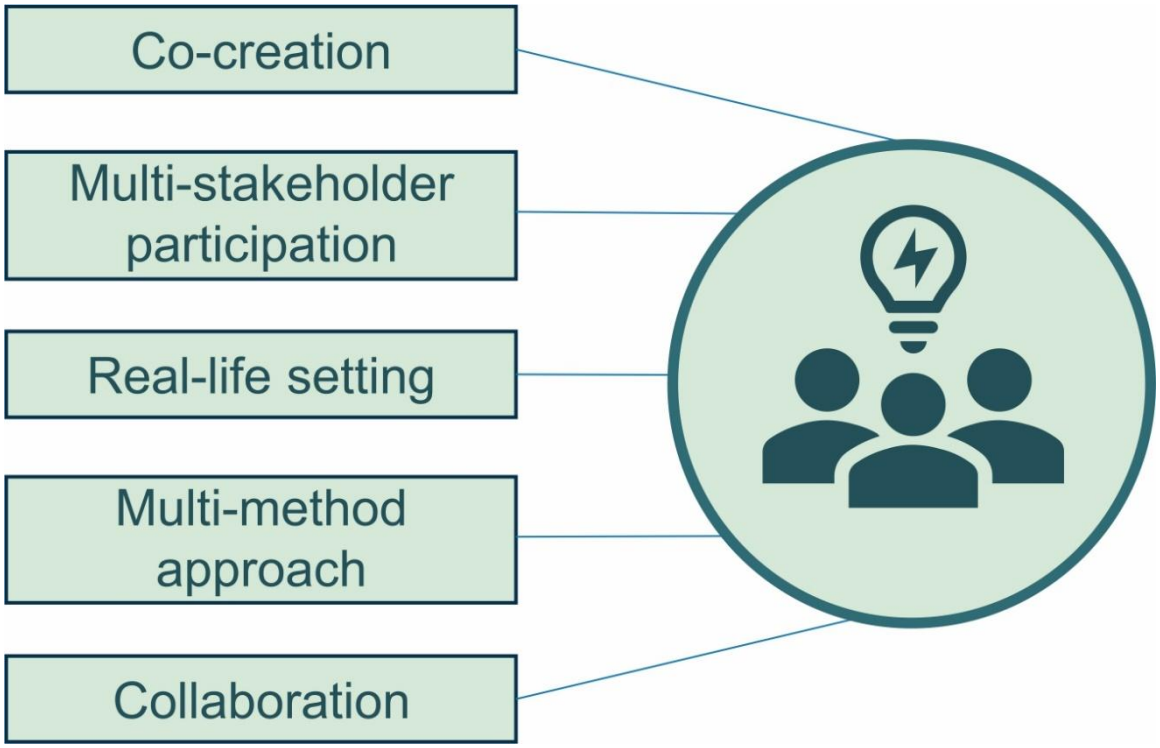

Figure 6: The EcoDaLLi Living Lab concept and its main elements

EcoDaLLi uses the definition provided by the European network of Living Labs (ENoLL, an international non-profit organization for LLs originally funded by the European Union, that defines LLs as "user-centered, open innovation ecosystems based on a systematic user co-creation approach, integrating research and innovation processes in real life communities and settings" (ENoLL 2022). The main hallmarks of a Living Lab that guide the EcoDaLLi Living Lab System are illustrated in Fig. 6.

In short, LL are live experiments supported by ongoing activities as part of EcoDaLLi which are conducted in Danube River Basin, separately or together with IA projects (Danube4All, DaWetRest, Restore4Life, etc.).

The main objective of EcoDaLLi is to centralise Danube governance structures in terms of innovative solutions for improved ecological restoration, protection & preservation of the Danube basin & its Delta by fostering a stronger innovation ecosystem within a well-connected Living Lab system.

Innovative solutions open new opportunities for better water restoration, taking into consideration social innovation aspects, reducing climate change effects and reducing also costs in implementation of several actions. An improved governance at Danube Basin level, based on dedicated EcoDaLLi tools will foster such innovative solutions, change mindsets on water ecosystems restoration and climate change and develop value chains based on ecosystem services. This will contribute to the decarbonisation goal of Green Deal, cleaner water, improved state of the environment, and creation of jobs in sensitive areas along the basin, especially in the Danube Delta.

EcoDaLLi will host four Living Labs developing innovative solutions in four areas: 1) Danube innovation ecosystem, 2) climate change, 3) water systems, and 4) biodiversity.

3.3. Practices Living Lab System in the Danube River Basin

PLLS Design

As mentioned above, an important objective of the EcoDaLLi project illustrated in WP4 is to develop (M08-M16) and test (M16-M30) a Practices LL System (PLLS) on 4 sectors of the Danube river. Through series of engagements, Smarter Mobility Solutions and partners in T4.3 will assess the potential of using the PLL System to illustrate & strengthen the Mission Ocean objectives.

The approach to design and build this Tool is based on selected prime example, used to categorise the organisations involved. Gaining commitment of / from partners, funding organisations, and collaborators was essential at the start of engaging with this tool[3] to build the understanding and identify the needs for PLLS in assessing Living Labs.

The proposed Tool is based on 8 pillars which interact to gather relevant data on major stakeholders and their actions, initiatives, and projects in the Danube River Basin.
This is further complemented by data on pollution, restauration and biodiversity aspects, and illustrated in several projects and plans. The current policies, governance and human resources are the engine supporting the information flow between different pillars.
A complex approach to PLLS is illustrated in Figure 7 below:

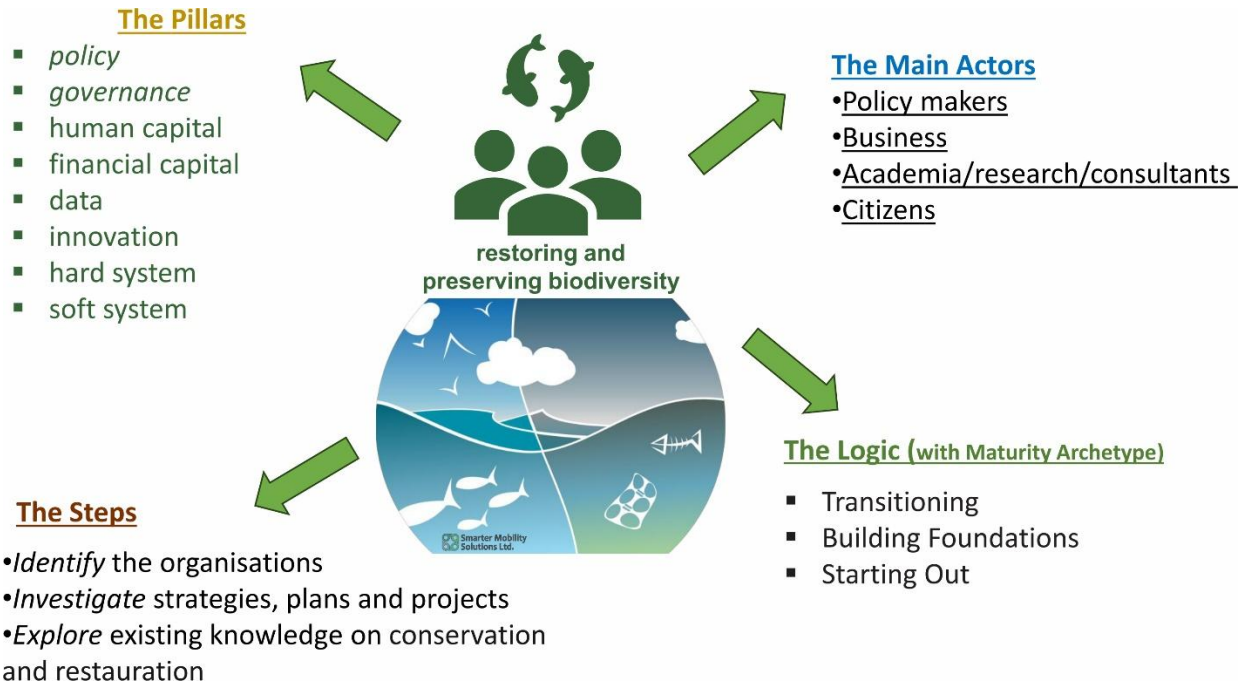

Figure 7: The EcoDaLLi approach to the Practices Living Lab System (PLLS)

3.3.1 The Pillars

There is an interconnection between the description of pillars and what PLLS does

The methodology to gather information via PLLS includes proper selection of the actors and *targeted questions* to extract the relevant knowledge. Further, the information is used to design actions and engagement processes. Some relevant examples are illustrated below, per each pillar, shwing what data is expected per each pillar, what is its relevance and how it will be used:

Policy: *identify existing policies at local, regional & EU level to:*

- Evaluate progress of current ecological restoration, protection & preservation action plan.
- Implement biodiversity conservation requirement in planning policy.
- Develop a sustainability action plan, looking at projects across key systems.
- Implement circular economy policies and legislations to maximise resource use efficiency

Governance: *categorise different forms of governance in DRB in support of:*

- Monitor Water Systems and Biodiversity conservation.
- Trial new community engagement methods such as Citizen Assembly, co- design, etc.
- Audit existing community engagement methods and processes.

Human Capital: *assess the human potential of organisation(s) engaged, number of employees and their expertise, to further:*

- Develop and launch a skills audit across organisation.
- Include sustainability training and options into formal personal development process of organisations.
- Engage with leadership to understand barriers to culture of continual learning.

Financial Capital: *evaluate financial potential to support engagement and actions:*

- Determine socio-economic benefits for specific low-carbon & restoration projects/climate actions.
- Share best practice with local authorities & other stakeholders on finance instruments.
- Upskill teams in developing business cases.

Data: *collect data to understand baseline and support action plans:*

- Set clear KPIs for ecological restoration, protection & preservation projects.
- Select best reporting and monitoring tool.
- Implement automated systems and/or digital technologies to collect and report on climate, water and biodiversity related data.

Innovation: *identify the innovation ecosystem in DRB to:*

- Encourage & promote innovations on restoration.
- Create communal platform for innovation network to work together.
- Map innovation network at the local and regional level.

Hard System/Nature Based Infrastructure: *identify existing infrastructure on connecting sites and communities to support:*

- Conservation and restauration through best practices.
- Asses existing infrastructure for wetlands: habitat fragmentation.
- Deployment of solutions for fisheries.
- Use of waste as a productive resource, and design out waste and pollution.

Soft System: *assess existing social (innovation) networks to:*

- Work on behavioural change towards wetlands perception within communities.
- Create an Advice Hub to signpost relevant information on climate change and ecological protection.
- Create themed campaigns working with existing community-led organizations.
- Develop communication plans to influence local communities in adopting eco-responsible behaviors.

Limitations: The initial design of PLLS is far too ambitious and confusing without associated data per pillars, to understand how the tool works. This can only be clarified during the testing exercise on T3.2 **Test the PLLS** (Tool) by a core team set up with tasks‘ partners.

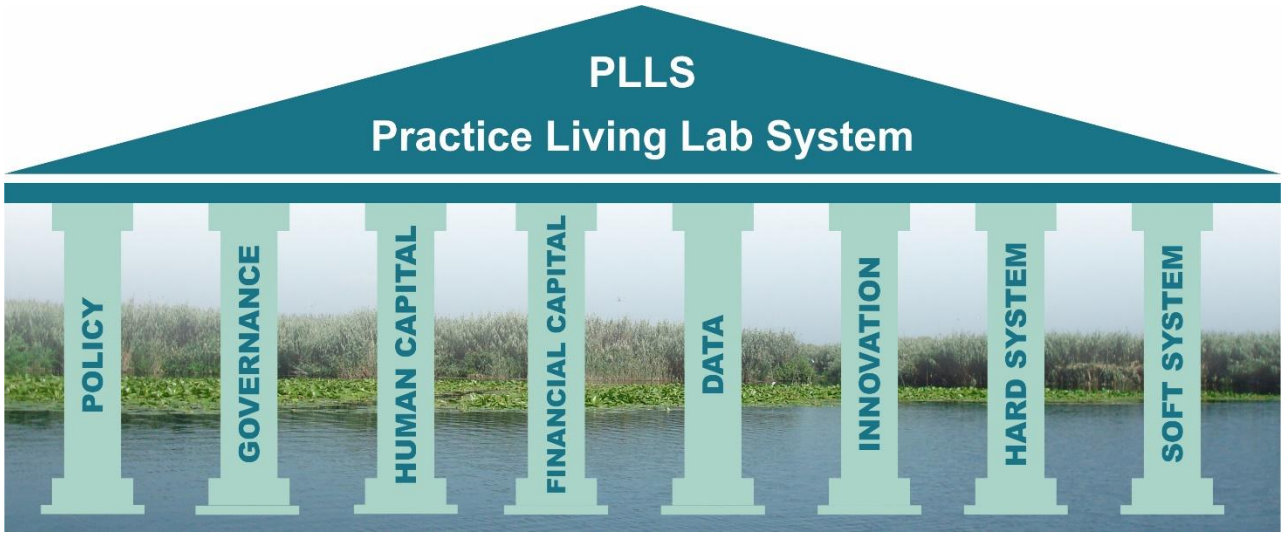

Figure 8: The 8 pillars of the PLLS

3.3.2 What PLLS does

In short, PLLS is a practical tool that supports the Living Labs conducted within EcoDaLLI to assess the different steps in their *stakeholder cocreation process, linking expert opinion to practices and actions in Danube River Basin and its* Danube *Lighthouse.*

How does the Tool operate?

PLLS is tested and implemented using a questionnaire distributed by the Core Team (partners of T4.3. to the main stakeholders acting in the Danube River Basin, followed by several interviews upon initial feedback, to consolidate the outcome(s) and engage on topics of interest to strenghten the LL results. The questions that stakeholders need to answer to are adapted to the stakeholder‘s type (i.e. policy maker, researcher, business or community representative, etc.), and further revised & reworked, to support the collection of relevant information that is requested by the project and LL ojectives. This aspect explains the ‚live‘ progression in assessing the outcome(s) of a LL process.

After the concept development and initial testing, the PLLS tool will be adapted & adjusted in order to make it easier for use by all the project partners. All EcoDaLLi partners will have access to surveys, engagement questions and instructions on how to collect data. A set of initial actions/advices/recommendations will be available in the EcoDaLLi platform.

Current Status of PLLS (M10)

Phase	Activity	Concrete steps	Outcome/Related information	Time-line
1	Explain the approach & **Design PLLS Tool**. Explain any uncommon methodology used	User-centric design Include 8 components based on policy, governance, human factor, finance, innovations, data, hard infrastructure & soft infrastructure	Identify programmes & projects related to Danube governance activities. Focus on ecosystems restoration	M08-M10
2	**Select the community of Stakeholders** with interest in LL	Follow info in T4.1 & T4.2; engage with partners in Danube4All & DaWetRest	Identify the test scenarios	M10-M11
3	**Design the approach** to capture information: questionnaire and interviews	Describe how data is collected and used	A Questionnaire containing 17 questions was developed; GDPR considered; **Annex 3**	M10-M12

Table 2: PLLS Status in M10

3.4 How PLLS will be implemented in practical terms: next steps

Only initial parts of PLLS phases are captured in D4.1, as this deliverable has to be submitted in M10, while further activities will be conducted in T4.3.1, till M16, followed by additional ones as part of T4.3.2 (M16-M30), as ilustrated below:

1. **Stakeholders' engagement**; Conduct the Survey/ Questionnaire. Identify the test objectives. Select Relevant partners in the DRB (MD/2 partners , LD/4 partners and DD/5 partners). Analyse feedback. (M12-M13).
2. **Scenarios Planning:** Re-adjust questions and increase engagement with stakeholders. Engage expert opinion, create the test cases. Work on pillars and re-design questions for the follow up interviews. (M14-M17)
3. **Integration with Living Lab Framework:** Early testing at LL: Tulcea/Ro on Water Systems LL/ (M17) & Biodiversity (M17); Climate (**Osijek**) (M18). Analyse needs, local priorities; barriers (M14-M17).
4. **Data Analysis:** Evaluate and justify the methodological choices. Analyse gaps, barriers. Multilingual support. Re-design for users of all technical levels, ensuring that everyone can contribute and benefit from the insights generated. Consider **Visualization Tools:** Present data through user-friendly dashboards, making complex information easily digestible to all participants (M16-M18).

PLLS in action will follow the implementation of T4.3.1, the expected outcome by M16 including a solid set of questions to engage with stakeholders in DRB.

The results will include information on policies, governance forms, innovation ecosystems, activities, programmes & projects linked to the Mission's Objectives. Particular attention will be given to *ecosystems restoration*, the data & knowledge gathered being further **tested in T4.3.2.**

How does PLLS work

The first steps showing how PLLS works are illustrated below:

Phase 1: distribute questionnaire.

Phase 2: analyse feedback and results.

Phase 3: gather additional data through interviews & repeat process till each pillar has 5 relevant answers (baseline for testing).

Thus, following the initial data gathered during the survey/questionnaire, additional data will be collected through interviews with relevant stakeholders in DRB, representing the quadruple helix (M14-M17). If needed (i.e. lack of relevant information), further data will be complemented from technical reports and expert meetings and/or workshops on wetlands restoration. Coordination with events related to IAs projects will be ongoing till M42 of EcoDaLLi.

Reshaping and adapting the right questions for PLLS will be part of the testing and implementation process (T4.3.2). The community to conduct this survey will be represented by main and secondary stakeholders in DRB:

- 4 Units of Danube: Upper, Middle, Lower Danube, Delta & Black Sea.
- Target groups engaged with existing LL and other workshops: policy makers; technology owners to develop business, start-ups, local agencies, communities impacted by climate change, etc.

Limitations:

Due to an early submission of **D4.1 (M10), an updated version will be issued in M28**, so PLLS is better understood on what it does and how it is implemented in practical terms.

Next Steps: Test the PLLS in Task 4.3.2

The next steps in testing PLLS will involve the engagement with project partners and participants structured in the 4 Units of Danube River Basin, mentioned above.

Particular focus will be given to the ongoing IA projects like DaWetRest, Danube4All, Restore4Life, to distribute questionnaire, conduct interviews and collect data on policies, governance, programmes, projects, innovations, etc.

The core team set up by partners in T4.3 is in charge with conducting these activities. Current knowledge and existing experience in wetlands restoration will be captured to support the ongoing activity of the Living Labs in WP4. A detailed analysis of the collected data will be done by the experts and further actions and recommendations will be generated.

It is expected that the analysis of results from T4.3.2 that will be summarized in 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" will identify the *LL potential to support governance*, will explore the entrepreneurship policy, and will indicate aspects of the sharing knowledge & identify training needs. PLLS, as a support tool to LL will also identify innovation actions in existing projects within DRB, underlining the EcoDaLLi role in supporting some projects and initiatives.

Practical testing of PLLS will take place during the LL meetings organised as part of EcoDaLLI and/or other IA selected projects within DRB (Danube4All; Dalia; DaWetRest and Restore4Life).

The analysis of results from T4.3.2 that will be summarized in D4.2 will identify the LL potential to support governance, will explore the entrepreneurship policy, and will indicate aspects of the sharing knowledge & identify training needs. PLLS tool will also identify innovation actions in existing projects within DRB and will show how can EcoDaLLi support those projects.

4 CONCLUSION

The present deliverable provides an overview of the key players in the Danube River Basin, responsible for, or supporting the Mission's Objectives. The Living Lab concept, a process. developing and testing approaches to co-creation with project participants, is explained in details.

Particular attention is given to Practices Living Labs System (PLLS), a tool that is developed within T4.3 and is expected to support the assessment of Living Labs process. The PLLS tool, based on 8 pillars**,** will interact to gather relevant data on major stakeholders who operate to reach all 3 objectives of *Mission Restore our Ocean and Water by 2030*: restoration, pollution and carbon neutrality & circularity. The phases of PLLS development and associated timeline is explicitly presented.

Due to its complexity, the preliminary analysis shows the need for a *visualization tool***,** to present data through user-friendly dashboards, making multifaceted information easily digestible to all participants.

It is expected that PLLS will provide a dynamic approach to sustainability, and the implementation of Mission Ocean objectives allowing for real-time adjustments and continuous improvement based on stakeholders' feedback. Additionally, PLLS supports guideline development and **engagement with the Charter**, based on the rich information gathered during the testing process, which will be conducted by a core team (partners in T4.3.2).

Furthermore, the deliverable contributes to reaching the main objective of EcoDaLLi project, which is to *centralise Danube governance structures* in terms of innovative solutions for improved ecological restoration, protection & preservation of the Danube basin and its Delta by fostering a stronger innovation ecosystem within a well-connected Living Lab system. .

The current document will be viewed as a working document after the closing activities in T4.3.1 and the activities that will be conducted as part of T4.3.2 „Test the PLLS" which will start in M16 and will end in M30. Therefore, the inventory will be constantly updated during the ongoing work in Task 4.3 using the PLLS tool. An **updated D4.1 will be issued in M28**.

References

European Commission: Directorate-General for Research and Innovation, Alao Chanou, Z., McColgan, O., Berbel, J., Moreno, C. et al., Baseline study for the implementation of lighthouses of the Mission 'Restore our ocean and waters by 2030' – Atlantic, Arctic, Danube and Mediterranean lighthouses, Publications Office of the European Union, 2023, https://data.europa.eu/doi/10.2777/34856

Overdiek, A., & Genova, V. (2021). Evaluating Living Labs: Methods and Tools. The Hague University of Applied Sciences. Retrieved from https://www.thuas.com/sites/hhs/files/documents/Evaluation%20LL_Nov2021_Overdiek_Genova.pdf

Schmittinger, F., Deserti, A., Rizzo, F., & Crabu, S. (2020). SISCODE co-design for society in innovation and science. European Union's Horizon 2020 Research and Innovation. Springer. https://doi.org/10.1007/978-3-030-78733-2

Annex 1: List of key players identified in T4.3.1 & T3.1.1, covering the four spatial dimensions of the EcoDaLLi project

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
3M d.o.o. (Velika Gorica)	https://3-m.hr/	Middle Danube	Business	X	X	X
Aarhus Association BiH	https://aarhus.ba/	Middle Danube	Civil Society	X	X	
Abens-Donau-Energie	https://www.abens-donau-energie.de/	Upper Danube	Business			X
Academy of Economic Sudies Bucharest, Romania	https://www.ase.ro	Lower Danube	Governance	X	X	X
Advanced Systems Ltd.	https://asg-ruse.com/	Lower Danube	Business			X
Agency for Regional Development of the South East Development Region	http://www.adrse.ro/	Delta and Black Sea	Governance		X	
Agency for the water area of the Sava River Sarajevo	https://www.voda.ba/	Middle Danube	Governance	X		
Agrotrans Ltd.	https://www.agrotranslog.com/en/about-us/	Lower Danube	Business			X
Alma Mons, Ltd. Novi Sad	http://almamons.rs/	Middle Danube	Business		X	X
Apaserv SA Teleorman	www.apaservteleorman.ro	Lower Danube	Business	X		
Apolodor Danube SRL Turnu Severin	www.apolodor.ro	Lower Danube	Business	X		
Association "Bulgarian Association for Alternative Tourism"	www.baatbg.org	Lower Danube	Civil Society		X	
Association "Local Initiative Group Belene-Nikopol"	http://www.mig-bn.eu/	Lower Danube	Civil Society		X	
Association "Tourist Association Radetsky - 99"	www.buro-radetsky.bg/	Lower Danube	Civil Society		X	
Association "Tourist Society Prista"	https://td-prista.org/	Lower Danube	Civil Society		X	
Association for the Development of Tourism in the Tutrakan Region	www.tutrakan-tourism.eu	Lower Danube	Civil Society		X	
Association "Euroregion Dunav - South"	https://svishtov.bg/evroregion-dunav-yug-predstavi-deynostta-si	Lower Danube	Civil Society	X	X	

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
Aueninstitut Neuburg-Ingolstadt	https://www.ku.de/mgf/geographie/angewandte-physische-geographie/aueninstitut-neuburg	**Upper Danube**	**Research**	X		
AZIMUT TRANS Ltd.		**Lower Danube**	**Business**	X		
Balta Mica Natural Park of Braila	www.bmb.ro	**Lower Danube**	**Civil Society**	X		
Bayernhafen GmbH & Co. KG	https://www.bayernhafen.de//	**Upper Danube**	**Business**			X
Bayrisches Landesamt für Umwelt, Abteilung Wasserhaushalt und Klimawandel	https://www.lfu.bayern.de/wasser/index.htm	**Upper Danube**	**Governance**	X	X	X
Biom Association	https://www.biom.hr/	**Middle Danube**	**Civil Society**		X	
Black Sea - Danube Association of Research and Development (BDCA)	www. bdcabg.org ; https://www.marinecluster.com/en/	**Delta and Black Sea**	**Research**	X	X	
Black Sea Energy Research Centre (BSERC)	http://www.bserc.eu/	**Delta and Black Sea**	**Research**	X	X	
Black Sea NGO Network	http://www.bsnn.org/	**Delta and Black Sea**	**Civil Society**	X	X	
Black Sea Oil & Gas SA (BSOG)	https://www.blackseaog.com/	**Delta and Black Sea**	**Business**		X	
Bononia Tourist Association	https://www.facebook.com/bononiq/about/	**Lower Danube**	**Civil Society**		X	
Bulgarian Ports Infrastructure Company	http://bgports.bg/	**Lower Danube**	**Business**	X		
Bulgarian River Shipping J.S.Co.	https://brp.bg	**Lower Danube**	**Business**	X		
BULGARIAN SHIPPING COMPANY Ltd.		**Lower Danube**	**Business**	X		
BUND Arbeitskreis Wasser	https://www.bund.net/ueber-uns/organisation/arbeitskreise/wasser/	**Upper Danube**	**Civil Society**	X		
BUND Baden-Württemberg	https://www.bund-bawue.de/	**Upper Danube**	**Civil Society**		X	

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
Bundesanstalt für Gewässerkunde, Referat U1 – Ökologische Grundsatzfragen, Umweltschutz	https://www.bafg.de/DE/08_Ref/U1/U1_node.html;jsessionid=1ED54EBA290DD04F23B3D5A4DD055088.live21323	**Upper Danube**	**Governance**	X	X	
Camena-ecological tourism association	www.camena.ro	**Lower Danube**	**Civil Society**	X		
Carinthia University of Applied Sciences	https://www.fh-kaernten.at/studium/wirtschaft-management	**Upper Danube**	**Research**			X
Cellulose & Paper Factory SA Turnu Severin	www.cch-dts.com	**Lower Danube**	**Business**	X		
City of Novi Sad, City Covernment	https://novisad.rs/	**Middle Danube**	**Governance**	X	X	
City of Zrenjanin, city government	https://zrenjanin.rs/	**Middle Danube**	**Governance**	X	X	
Climate, Atmosphere and Water Research Institute at Bulgarian Academy of Sciences (CAWRI-BAS)	https://cawri-bas.eu/	**Lower Danube**	**Research**	X		
Commission on the Protection of the Black Sea against Pollution	http://www.blacksea-commission.org/	**Delta and Black Sea**	**Governance**	X	X	
Common Maritime Agenda for the Black Sea	https://black-sea-maritime-agenda.ec.europa.eu/	**Delta and Black Sea**	**Civil Society**		X	X
Construction Trust Drobeta SA Mehedinti	www.drobeta.contrust.ro	**Lower Danube**	**Business**	X		
Croatian Meteorological and Hydrological Service (DHMZ)	General dhmz@cirzs.dhz.hr 01 4565 666	**Middle Danube**	**Research**	X		
DANUBE ASSOCIATION FOR DEVELOPMENT AND PROSPERITY VETREN-SREBERNA association		**Lower Danube**	**Civil Society**	X	X	
danube basin directorate	http://www.bd-dunav.org/	**Lower Danube**	**Governance**	X		
Danube Civil Society Forum	https://danubestrategy.eu/	**Transversal**	**Civil Society**			X
Danube Competence Center (DCC)	https://danubecc.org/	**Transversal**	**Business**	X		X
Danube Connects	https://danube-connects.eu/language/en/	**Transversal**	**Civil Society**		X	

Funded by the European Union

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
Danube Connects - the magazine for the Danube countries	https://danube-connects.eu/	**Upper Danube**	**Civil Society**			X
Danube Delta Biosphere Reserve Authority (DDBRA)	http://www.ddbra.ro/	**Delta and Black Sea**	**Governance**		X	
Danube Office Ulm/ Neu-Ulm	https://donaubuero.de/en/	**Upper Danube**	**Civil Society**		X	X
Danube Strategy Point	https://danube-region.eu/contact/danube-strategy-point/	**Transversal**	**Governance**	X	X	X
Danube Tech Valley	https://www.globsec.org/our-expertise/danube-tech-valley	**Transversal**	**Business**			X
DARA TRADE Ltd.		**Lower Danube**	**Business**	X		
Deutsche Donau Tourismus e.V.	https://www.deutsche-donau.de/	**Upper Danube**	**Civil Society**			X
Deutsche Vereinigung für Wasserwirtschaft, Abwasser und Abfall e. V.	https://www.dwa-bw.de/de/startseite-neu.html	**Upper Danube**	**Civil Society**	X		
die.wildbach Sektion Oberösterreich	https://info.bml.gv.at/themen/wald/wald-und-naturgefahren/wildbach--und-lawinenverbauung/organisation-kontakt/SektionOOE.html	**Upper Danube**	**Governance**	X		
die.wildbach Sektion Salzburg	https://info.bml.gv.at/themen/wald/wald-und-naturgefahren/wildbach--und-lawinenverbauung/organisation-kontakt/SektionSalzburg.html	**Upper Danube**	**Governance**	X		
die.wildbach Sektion Steiermark	https://info.bml.gv.at/themen/wald/wald-und-naturgefahren/wildbach--und-lawinenverbauung/organisation-kontakt/SektionStmk.html	**Upper Danube**	**Governance**	X		

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
die.wildbach Sektion Tirol	https://info.bml.gv.at/themen/wald/wald-und-naturgefahren/wildbach--und-lawinenverbauung/organisation-kontakt/SektionTirol.html	**Upper Danube**	**Governance**	X		
die.wildbach Sektion Wien, Niederösterreich und Burgenland	https://info.bml.gv.at/themen/wald/wald-und-naturgefahren/wildbach--und-lawinenverbauung/organisation-kontakt/SektionWNB.html	**Upper Danube**	**Governance**	X		
District Administration - Montana	https://montanaoblast.egov.bg/	**Lower Danube**	**Governance**	X		
District Administration - Pleven	https://www.pleven-oblast.bg/	**Lower Danube**	**Governance**	X		
District Administration - Ruse	https://ruse.egov.bg/wps/portal/district-ruse/home/	**Lower Danube**	**Governance**	X		
District Administration - Silistra	http://silistra.government.bg/OA-SILISTRA/home.nsf/pages/bg/home?OpenDocument	**Lower Danube**	**Governance**	X		
District Administration - Veliko Tarnovo	https://vt.government.bg/	**Lower Danube**	**Governance**	X		
District Administration - Vidin	https://vidin.government.bg/en/	**Lower Danube**	**Governance**	X		
District Administration - Vratsa	https://vratsa.government.bg/	**Lower Danube**	**Governance**	X		
DONAU STAR BG Ltd.	https://www.donaustar.com/	**Lower Danube**	**Business**	X		
DonauConsult Ingenieurbüro GmbH	http://www.donauconsult.at/	**Upper Danube**	**Business**	X		X
Donauschifffahrt Wurm & Noé GmbH & Co. KG	https://www.donauschifffahrt.eu/	**Upper Danube**	**Business**			X
Dragajen flot -Istar JSC	https://df-istar.com/	**Lower Danube**	**Business**	X		
Drustar 2004 Ltd.		**Lower Danube**	**Business**			
DTC – Pannon, Hungary	www.pbn.hu	**Middle Danube**	**Business**			X
DTC Bucharest, Romania	https://upb.ro/en/	**Lower Danube**	**Research**	X	X	X
DTC Cluj-Napoca	www.utcluj.ro	**Middle Danube**	**Business**	X		

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
DTC Craiova, Romania	http://www.ipacv.ro/index.php?cPath=services&nav_id=incubator	**Lower Danube**	**Business**			X
DTC Iași, Romania	www.tuiasi.ro	**Lower Danube**	**Research**	X	X	X
DTC Maribor, Slovenia	http://www.um.si	**Middle Danube**	**Research**			
DTC Nitra	http://www.agrobiotech.sk/en/transfer-centre/	**Middle Danube**	**Business**		X	
DTC Ruse	https://www.uni-ruse.bg/centers/TSTT	**Lower Danube**	**Business**			X
DTC Slavonija, Baranja and Srijem,	http://www.ra-vsz.hr/dtc/	**Middle Danube**	**Governance**			X
DTC Zagreb, Croatia	www.hgk.hr	**Middle Danube**	**Governance**			X
Dunav inert Ltd.		**Lower Danube**	**Business**	X		
Dunav tours hotels Ltd.	https://www.dunavtours.bg/	**Lower Danube**	**Business**			
DUNAV TURS J.S.Co.	https://www.dunavtours.bg/	**Lower Danube**	**Business**	X		X
Dunavski dragajen flot J.S.Co.	https://ddfbg.com	**Lower Danube**	**Business**	X		
DVGW-Technologiezentrum Wasser	https://tzw.de/	**Upper Danube**	**Research**	X		
ECOPANONIA, Cluster for eco-energy and eco-culture	www.ecopanonia.com	**Middle Danube**	**Civil Society**		X	X
Energovizija d.o.o.	General info@energovizija.hr 01 460 0825	**Middle Danube**	**Business**			X
Energy Institute Hrvoje Požar (EIHP)	General eihp@eihp.hr 01 6326 100	**Middle Danube**	**Research**	X		X
Environment Engineering Group	https://www.activity4sustainability.org/	**Middle Danube**	**Civil Society**	X		X
Environment Protection Agencies	www.anpm.ro	**Lower Danube**	**Governance**	X	X	
European Danube Academy (EDA)	https://www.donauakademie.eu/	**Upper Danube**	**Civil Society**		X	
European Marine Board (EMB) Advancing Black Sea Research and Innovation to Co-Develop Blue Growth within Resilient Ecosystems (BRIDGE-BS).	https://marineboard.eu/about-european-marine-board	**Delta and Black Sea**	**Business**		X	

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
European studies club foundation	https://www.facebook.com/ClubEvropeistika/	**Lower Danube**	**Civil Society**			
EUSDR National Coordinator Austria	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Austria	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Baden-Württemberg	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Bavaria	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Bavaria	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Bulgaria	https://danube-region.eu/contact/national-coordinators/	**Lower Danube**	**Governance**	X	X	X
EUSDR National Coordinator Croatia	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X
EUSDR National Coordinator Croatia	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X
EUSDR National Coordinator Czech Republic	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Germany	https://danube-region.eu/contact/national-coordinators/	**Upper Danube**	**Governance**	X	X	X
EUSDR National Coordinator Hungary	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X
EUSDR National Coordinator Moldova	https://danube-region.eu/contact/national-coordinators/	**Lower Danube**	**Governance**	X	X	X
EUSDR National Coordinator Montenegro	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
EUSDR National Coordinator Romania	https://danube-region.eu/contact/national-coordinators/	**Lower Danube**	**Governance**	X	X	X
EUSDR National Coordinator Serbia (interim)	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X
EUSDR National Coordinator Slovakia	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X
EUSDR National Coordinator Slovenia	https://danube-region.eu/contact/national-coordinators/	**Middle Danube**	**Governance**	X	X	X
EUSDR National Coordinator Ukraine	https://danube-region.eu/contact/national-coordinators/	**Lower Danube**	**Governance**	X	X	X
EUSDR PACs of PA4 (Hungary)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**	X		
EUSDR PACs of PA4 (Slowakia)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**	X		
EUSDR PACs of PA5 (Hungary)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**	X	X	
EUSDR PACs of PA5 (Romania)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**	X	X	
EUSDR PACs of PA6 (Bavaria)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**		X	
EUSDR PACs of PA6 (Croatia)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**		X	
EUSDR PACs of PA7 (Serbia)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X
EUSDR PACs of PA7 (Slovakia)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
EUSDR PACs of PA8 (Baden-Württemberg)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X
EUSDR PACs of PA8 (Croatia)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X
EUSDR PACs of PA9 (Austria)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X
EUSDR PACs of PA9 (Moldova)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X
EUSDR PACs of PA9 (Ukraine)	https://danube-region.eu/contact/priority-area-coordinators/	**Transversal**	**Governance**			X
Executive Agency Fisheries and Acquacultures	https://iara.government.bg/	**Lower Danube**	**Governance**		X	
Executive agency for exploration and maintenance of the Danube river	https://www.appd-bg.org/	**Lower Danube**	**Governance**	X		
Executive Environment Agency	https://eea.government.bg/en	**Lower Danube**	**Governance**	X	X	X
Faculty of Energy Technology	https://www.fe.um.si/en/	**Middle Danube**	**Research**	X	X	X
Faculty of Science (PMF - University in Zagreb) - Department of Biology	General uredbo@pfm.hr 01 4826 260	**Middle Danube**	**Research**	X	X	X
Faculty of Sciences, University of Novi Sad	https://www.dbe.uns.ac.rs/	**Middle Danube**	**Research**	X		
Federal Ministry of Environment and Tourism	https://www.fmoit.gov.ba/bs/okolis/zastita-voda	**Middle Danube**	**Governance**	X		
Ferry complex J.S.Co.	https://ferryboat.bg/	**Lower Danube**	**Business**	X		
Fischereigenossenschaft Schwäbische Donau	https://www.fischereigenossenschaft-donau.de/Startseite	**Upper Danube**	**Civil Society**	X	X	
Fisheries Local Action Group Braila	www.pescuitbraila.ro	**Lower Danube**	**Civil Society**	X		
GALAXY POWER Ltd.	http://galaxypower.eu/	**Lower Danube**	**Business**	X		
Global Water Partnership Central and Eastern Europe	https://www.gwp.org/en/GWP-CEE/	**Transversal**	**Governance**	X		
Guarantee Fund of AP Vojvodina	https://garfond.rs/	**Middle Danube**	**Business**			X

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Hafen Kelheim	https://www.hafen-kelheim.de/	**Upper Danube**	**Business**			X
Hafen Straubing-Sand GmbH	https://www.hafen-straubing.de/	**Upper Danube**	**Business**			X
Hrvatske Šume d.o.o. (HŠ)	https://www.hrsume.hr/ General direkcija@hrsume.hr 01 4804 111	**Middle Danube**	**Civil Society**		X	
Hrvatske Vode	General voda@voda.hr 01 6307 333	**Middle Danube**	**Governance**	X		
Hydro-Energie Roth GmbH	https://hydroenergie.de/	**Upper Danube**	**Business**			X
ICPDR	https://www.icpdr.org/main/	**Transversal**	**Governance**	X	X	
Inert Ltd.	http://www.inert.bg/	**Lower Danube**	**Business**	X		
Innovative Fishery Cluster Ikra Akvaponija	http://www.akvaponija.org.rs	**Middle Danube**	**Civil Society**	X	X	
Institute for Creative Civic Strategies Foundation	http://iccs.ngobg.info/	**Lower Danube**	**Civil Society**			
Institute for the Danube Region and Central Europe	https://www.idm.at/en/	**Transversal**	**Research**			X
Institute for Water and River Basin Management (KIT)	https://www.iwg.kit.edu/	**Upper Danube**	**Research**	X		
Institute for Water Resources Development "Jaroslav Černi" Institut za vodoprivredu „Jaroslav Černi"	https://www.jcerni.rs/	**Middle Danube**	**Research**	X	X	
Institute of Biodiversity and Ecosystem Research at the Bulgarian Academy of Sciences	http://www.iber.bas.bg/?q=en	**Lower Danube**	**Research**		X	
International Network for SMEs (INSME)	https://www.insme.org/	**Delta and Black Sea**	**Business**		X	
Ivan Patzaichin - Mila 23" Association	https://rowmania.ro	**Delta and Black Sea**	**Civil Society**		X	
Kleinwasserkraft Österreich	https://www.kleinwasserkraft.at/	**Upper Danube**	**Business**			X
Laboratory for Water Analisys and Balneoclimatology (at the Institute for Health Ecology and Occupational Medicine)	Ana Petrić (Secretary) apetric@szn.hr	**Middle Danube**	**Research**	X		

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Land Niederösterreich Abteilung Wasserbau	https://www.noe.gv.at/noe/Kontakt-Landesverwaltung/Abteilung_Wasserbau.html	**Upper Danube**	**Governance**	X		
Land Oberösterreich Abteilung Wasserwirtschaft	https://www.land-oberoesterreich.gv.at/60635.htm	**Upper Danube**	**Governance**	X		
Landesanstalt für Umwelt Baden-Württemberg, Referat 41 Fließgewässerökologie	https://www.lubw.baden-wuerttemberg.de/startseite	**Upper Danube**	**Governance**	X	X	
Landratsamt Alb-Donau-Kreis, Dezernat 3, Fachdienst Umwelt- und Arbeitsschutz	https://www.alb-donau-kreis.de/startseite/Landratsamt/fachdienst+umwelt-+und+arbeitsschutz.html	**Upper Danube**	**Governance**	X	X	
LOCAL INITIATIVE FISHERIES GLAVINICA-TUTRAKAN-SLIVO POLE GROUP association	https://www.gts-flag.tutrakan.org/	**Lower Danube**	**Civil Society**	X	X	
Local initiative group Tutrakan-Slivo pole	http://mig.tutrakan-slivopole.bg/	**Lower Danube**	**Civil Society**		X	
Loveco d.o.o. (Rijekaa)	http://loveco.hr/	**Middle Danube**	**Business**	X		
Lukoil Bulgaria bunker Ltd.	http://www.lukoil-bunker.bg/	**Lower Danube**	**Business**			X
Magistrat der Landeshauptstadt Linz Geschäftsbereich Planung, Technik und Umwelt (PTU)	https://www.linz.at/verwaltung/ptu.php	**Upper Danube**	**Governance**	X		
Marine Association Poseidon	http://mta.gov.ge/	**Delta and Black Sea**	**Civil Society**	X	X	
Marine Cluster Bulgaria	https://www.marinecluster.com/en/	**Lower Danube**	**Business**	X		
Meridijani magazine	http://www.meridijani.com/page/1	**Middle Danube**	**Civil Society**		X	
Middle East Technical University Institute of Marine Sciences (IMS)	http://ims.metu.edu.tr/	**Delta and Black Sea**	**Research**	X	X	X
Ministry of Agriculture and Rural Development - Romania	www.madr.ro	**Delta and Black Sea**	**Governance**		X	
Ministry of Agriculture in Bulgaria	https://www.mzh.government.bg/bg/	**Lower Danube**	**Governance**	X		X

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Ministry of Economy and Sustainable Development	General javnost@mingor.hr 01 3717 111	**Middle Danube**	**Governance**	X	X	
Ministry of Environment and Water of Bulgaria	https://www.moew.government.bg/	**Lower Danube**	**Governance**	X	X	
Ministry of Environment, Waters and Forests from Romania	www.mmediu.ro	**Lower Danube**	**Governance**	X	X	
Ministry of Natural Resources and Spatial Planning	https://www.gov.si/en/state-authorities/ministries/ministry-of-natural-resources-and-spatial-planning/	**Middle Danube**	**Governance**	X		
Ministry of Transport from Romania	www.mt.ro	**Lower Danube**	**Governance**	X	X	
Municipality of Braila	www.primariabraila.ro	**Lower Danube**	**Governance**	X		
Municipality of Linz	https://www.linz.at/english/index.php	**Upper Danube**	**Governance**	X	X	
Municipality of Sfantu Gheorghe	https://www.primariasfantugheorghetulcea.ro/	**Delta and Black Sea**	**Governance**	X	X	
Municipality of Sulina	https://www.primaria-sulina.ro/	**Delta and Black Sea**	**Governance**	X	X	
Municipality of Tulcea	http://www.primariatulcea.ro/	**Delta and Black Sea**	**Governance**	X	X	
Municiplity of Alfatar	alfatar.egov.bg	**Lower Danube**	**Governance**	X	X	X
Municiplity of Belene	https://belene.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Belogradchik	http://belogradchik.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Borovo	https://www.borovo.org/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Bregovo	https://bregovo.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Byala	https://www.byala.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Byala Slatina	http://www.byala-slatina.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Cherven bryag	https://www.chervenbryag.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Chuprene	https://chuprene.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Dimovo	https://dimovo.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Dolna Mitropolia	https://dolnamitropolia.acstre.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Dolni Dabnik	https://dolnidabnik.egov.bg/	**Lower Danube**	**Governance**	X	X	X

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Municiplity of Dve Mogili	http://www.dvemogili.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Glavinitsa	https://www.glavinitsa.bg/bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Gulyantsi	https://gulyantsi.bg/en/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Hayredin	https://www.hayredin.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Ivanovo	https://www.ivanovo.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Kneja	https://kneja.acstre.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Kozloduy	https://kozloduy.bg/wps/portal/municipality-kozloduy/home/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Levski	http://www.oblevski.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Lom	https://www.lom.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Nikopol	https://www.nikopol-bg.com/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Novo Selo	http://obshtina-novoselo.com/bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Oryahovo	http://www.oriahovo.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Polski Trambesh	https://www.trambesh.eu/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Ruse	https://obshtinaruse.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Silistra	https://silistra.egov.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Sitovo	https://sitovo.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Slivo pole	https://www.slivopole.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Svishtov	https://www.svishtov.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Tsenovo	http://www.tsenovo.eu/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Tutrakan	http://tutrakan.egov.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Vetovo	https://www.vetovo.bg/	**Lower Danube**	**Governance**	X	X	X
Municiplity of Vidin	https://vidin.bg/wps/portal/vidin-municipality/home/	**Lower Danube**	**Governance**	X	X	X
Narodno Chitalishte Napreduk 1871 Community Center	http://napredak1871nl.ngobg.info	**Lower Danube**	**Civil Society**		X	

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Nat. Institute for R&D in Environmental Protection Bucharest	https://accelerate.gov.ro/en/entities/national-institute-for-research-and-development-in-environmental-protection-incdpm	**Lower Danube**	**Business**	X	X	
National Administration "Romanian Waters"	www.rowater.ro	**Lower Danube**	**Governance**	X	X	
National Electricity Company Ltd.	https://nek.bg/	**Lower Danube**	**Business**			X
National Environment Guard	www.gnm.ro	**Lower Danube**	**Governance**	X	X	
Nationalpark Donauauen	https://www.donauauen.at/	**Upper Danube**	**Civil Society**	X	X	
Nature Park Rusenski Lom/ Lomovete	https://rusenski-lom.bg/	**Lower Danube**	**Civil Society**		X	
naturschutzbund Österreich	https://naturschutzbund.at/startseite.html	**Upper Danube**	**Civil Society**		X	
netzwerk Wasserforschung Baden-Württemberg (KIT)	https://www.wassernetzwerk-bw.de/	**Upper Danube**	**Research**	X	X	
NGO Local Action Group Danube Delta Peoples	www.galoameniideltei.ro	**Delta and Black Sea**	**Civil Society**			X
NGO Local Action Group G.A.L. Danube Delta Tulcea	www.gal-deltadunarii.ro	**Delta and Black Sea**	**Civil Society**	X	X	
NGO Local Action Group Valea Dunarii Sudolt	www.galvds.ro	**Delta and Black Sea**	**Civil Society**			X
Nirosta d.o.o. (Osijek)	https://nirosta.hr/	**Middle Danube**	**Business**	X		
Octopod C Ltd.		**Lower Danube**	**Business**		X	
OIEH - Association RESC	https://oie.hr/en/	**Middle Danube**	**Civil Society**			X
OIKON d.o.o.	https://oikon.hr/hr/	**Middle Danube**	**Research**	X	X	
Osijek - Baranja County (OBC)	General tajnistvo@obz.hr 031 221 501	**Middle Danube**	**Governance**	X	X	X
Österreichisches Komitee Donauforschung - International Arbeitsgemeinschaft Donauforschung	https://www.oen-iad.org/	**Upper Danube**	**Research**	X	X	
OTP banka Srbija ad Novi Sad	www.otpbanka.rs	**Middle Danube**	**Business**	X	X	
Parliamentary Assembly of the Black Sea Economic Cooperation (PABSEC)	https://www.pabsec.org/page-detail/introduction/1	**Delta and Black Sea**	**Governance**	X	X	

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Persina Nature Park	https://persina.bg/en/	**Lower Danube**	**Civil Society**		X	
Polaris 8 Ltd.	https://www.polaris8.bg/	**Lower Danube**	**Business**	X		
Polytechnic University of Bucharest	https://upb.ro/en/	**Transversal**	**Business**			X
Port Bulmarket Ltd.	https://bulmarket.bg	**Lower Danube**	**Business**			
Port Complex Ruse J.S.Co.	https://port-ruse-bg.com	**Lower Danube**	**Business**	X		
Port Nikopol Ltd.	http://www.brp.bg/nikopol/en/index.html	**Lower Danube**	**Business**	X		
Port of Vukovar	https://luka-vukovar.hr/	**Middle Danube**	**Business**			X
Port Pristis Ltd.	https://www.chimimport.bg/en/sektori/transporten/voden/port-pristis-ood	**Lower Danube**	**Business**	X		
Port Svishtov West S.A.		**Lower Danube**	**Business**	X		
Ports Harbor Office Braila		**Lower Danube**	**Governance**	X		
PP Kopački rit	General uprava@pp-kopacki-rit.hr 031 752 320	**Middle Danube**	**Governance**	X	X	
Prista oil holding Ltd.	www.prista-oil.com	**Lower Danube**	**Business**			X
Professional magazine on energy, economy, ecology, ethics - EGE	https://www.ege.hr/	**Middle Danube**	**Civil Society**			X
Public Enterprise "Vojvodinašume"	www.vojvodinasume.rs	**Middle Danube**	**Governance**	X	X	
Public water management company Srbija vode, Belgrade	http://www.srbijavode.rs	**Middle Danube**	**Governance**	X		
Public water management company Vode Vojvodine, Novi Sad	https://vodevojvodine.com	**Middle Danube**	**Governance**	X		
Port Invest Ltd.	http://www.portinvest.bg/	**Lower Danube**	**Business**	X		
Port Vidin Ltd.	http://www.portvidin-center.com/	**Lower Danube**	**Business**	X		
Regierungspräsidien Baden-Württemberg Geschäftsstelle Gewässerökologie	https://rp.baden-wuerttemberg.de/themen/wasserboden/gsgoe/kontakt/	**Upper Danube**	**Governance**	X	X	
Regierungspräsidium Freiburg, Referat 52 Gewässer und Boden	https://rp.baden-wuerttemberg.de/rpf/abt5/ref52/	**Upper Danube**	**Governance**	X	X	

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Regierungspräsidium Freiburg, Stabstelle für grenzüberschreitende Zusammenarbeit	https://rp.baden-wuerttemberg.de/rpf/sgze/	**Upper Danube**	**Governance**			X
Regierungspräsidium Tübingen Stabstelle für grenzüberschreitende Zusammenarbeit	https://rp.baden-wuerttemberg.de/rpt/wir/seiten/sgze/	**Upper Danube**	**Governance**	X	X	X
Regierungspräsidium Tübingen, Referat 52 Gewässer und Boden	https://rp.baden-wuerttemberg.de/rpt/abt5/referat-52/	**Upper Danube**	**Governance**	X	X	
Regional Cooperation Council	https://www.rcc.int/pages/2/about-us	**Transversal**	**Governance**	X	X	X
Regional Inspectorate of Environment and Water - Pleven	http://riew-pleven.eu/	**Lower Danube**	**Governance**	X		
Regional Inspectorate of Environment and Water - Ruse	https://www.riosv-ruse.org/	**Lower Danube**	**Governance**	X		
Regional Inspectorate of Environment and Water - Veliko Tarnovo	https://www.riosvt.org/en	**Lower Danube**	**Governance**	X		
Regional Inspectorate of Environment and Water - Vratsa	https://riosv.vracakarst.com/bg	**Lower Danube**	**Governance**	X		
Regiowasser e.V.	http://regiowasser.ak-wasser.de/impressum	**Upper Danube**	**Civil Society**	X		
Resources BasinDirectorate of Black Sea and Lower Danube Rivers, Ukraine	http://www.dbuvr.davr.gov.ua	**Delta and Black Sea**	**Governance**	X	X	
Romnav SA Braila	www.romnav.ro	**Lower Danube**	**Business**	X		
Rompetrol-Bulgaria J.S.Co.	https://www.rompetrol.bg/	**Lower Danube**	**Business**			X
ROMSILVA	http://www.rosilva.ro/	**Lower Danube**	**Governance**		X	
Ruđer Bošković Institute - Institute for Marine and Environmental Research (hrv. ZIMO)	Ana Ogrin (Secretary) ana.ogrin@irb.hr	**Middle Danube**	**Research**	X	X	
Saksa Ltd.	https://saksa.bg	**Lower Danube**	**Business**			X

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Sava Comission	https://www.savacommission.org/	**Middle Danube**	**Civil Society**	X		
Scortel Ltd.	https://scortel.com/en/	**Lower Danube**	**Business**			X
SKM PORT VIDIN J.S.Co.	http://skmportvidin.eu/	**Lower Danube**	**Business**	X		
Slovenian Environment Agency (ARSO)	http://www.arso.gov.si/en/	**Middle Danube**	**Governance**	X		
Sportive Fishermen Association Braila	www.epestelabraila.ro	**Lower Danube**	**Civil Society**	X		
Stadt Wien MA45 Wasserbau	https://www.wien.gv.at/kontakte/ma45/index.html	**Upper Danube**	**Governance**	X		
Steinbeis-Innovationszentrum Nachhaltige Ressourcennutzung und Energiebewirtschaftung	https://www.steinbeis.de/de/verbund/suche-im-steinbeis-verbund/detail.html?tx_z7suprofiles_detail%5Bprofile%5D=2550&cHash=38cd5ccb6907efc146508a74301308fb	**Upper Danube**	**Business**			X
Steinbeis-Transferzentrum Wasser, Landschaft und Umwelt	https://www.steinbeis.de/de/verbund/suche-im-steinbeis-verbund/detail.html?tx_z7suprofiles_detail%5Bprofile%5D=1827&cHash=1fff6e20fffd7a45d949cb33f9aa7d24	**Upper Danube**	**Research**	X	X	
Suhaia Commune Teleorman	www.primariasuhaia.ro	**Lower Danube**	**Governance**	X		
Tehnix d.o.o. (Donji Kraljevac)	https://tehnix.hr/	**Middle Danube**	**Business**	X	X	X
Tehnoeko	https://www.tehnoeko.com.hr/	**Middle Danube**	**Civil Society**			X
Tehnonav Shipyard Braila	www.tehnonav.ro	**Lower Danube**	**Business**	X		
The 4BIZ Project	https://4biz.bsun.org/	**Delta and Black Sea**	**Business**			X
The Black Sea Economic Cooperation (BSEC)	http://www.bsec-organization.org/	**Delta and Black Sea**	**Governance**		X	
The Black Sea Trust for regional Cooperation (BST)	https://www.gmfus.org/black-sea-trust-regional-cooperation	**Delta and Black Sea**	**Civil Society**		X	
The Black Sea Virtual Knowledge Centre (BSVKC)	http://www.bsec-bsvkc.org/Forms/Default	**Delta and Black Sea**	**Research**		X	X
The Bulgarian-Romanian Chamber of Commerce and Industry	https://brcci.eu/en/	**Lower Danube**	**Business**			X

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The Community of Lipovan Russians of Romania, Tulcea Branch	crltulcea@gmail.com	**Delta and Black Sea**	**Civil Society**			x
The Environmental Protection and Energy Efficiency Fund (FZOEU)	General kontakt@fzoeu.hr 01 5391 800	**Middle Danube**	**Governance**	X	X	X
The International Centre for Black Sea Studies (ICBSS)	https://icbss.org/icbss-at-a-glance/	**Delta and Black Sea**	**Governance**	X		X
The Lower Danube River Administration	https://www.afdj.ro/ro	**Lower Danube**	**Governance**		X	X
Titan Group	www.titan.bg	**Lower Danube**	**Business**			X
TU Munich	https://www.cee.ed.tum.de/	**Upper Danube**	**Research**	X	X	
Tulcea County Council	https://www.cjtulcea.ro/	**Delta and Black Sea**	**Governance**	X	X	
Tulcea Prefecture	https://tl.prefectura.mai.gov.ro/	**Lower Danube**	**Governance**		X	
umweltbundesamt	https://www.umweltbundesamt.at/	**Upper Danube**	**Governance**		X	X
Umweltbundesamt Deutschland; Fachbereich Gesundheitlicher Umweltschutz, Schutz der Ökosysteme; Abteilung Übergreifende Angelegenheiten Wasser und Boden	https://www.umweltbundesamt.de/	**Upper Danube**	**Governance**	X	X	
Umweltdachverband	https://www.umweltdachverband.at/	**Upper Danube**	**Civil Society**		X	X
University of Natural Resources and Life Sciences (BOKU)	https://boku.ac.at/	**Upper Danube**	**Research**		X	
University of Ruse Angel Kanchev	https://www.uni-ruse.bg/en	**Lower Danube**	**Research**	X	X	X
Vard Shipyard Braila	www.vard.com	**Lower Danube**	**Business**	X		
VE INVESTMENT Ltd.	http://ddfdunim.bg/bg/	**Lower Danube**	**Business**	X		
VERBUND AG	https://www.verbund.com/	**Upper Danube**	**Business**			X
VfEW Verband für Energie- und Wasserwirtschaft Baden-Württemberg e.V.	https://www.vfew-bw.de/	**Upper Danube**	**Business**	X		X

Name	Webpage	Region	Target group	Area of competence		
				Water Quality	Ecosystems and Biodiversity	Carbon-neutral and circular blue economy
Viadonau	https://www.viadonau.org/home	**Upper Danube**	**Governance**			X
VICTORY 05 SHIPPING Ltd.		**Lower Danube**	**Business**	X		
VOLTE TRANS A Ltd.		**Lower Danube**	**Business**	X		
Vukovarsko - Srijemska County (VSC)	Tomislav Ćorić (Secretry) tomislav.coric@vusz.hr 043 344 000	**Middle Danube**	**Governance**	X	X	X
Wasserwirtschaftsamt Deggendorf	www.wwa-deggendorf.bayern.de	**Upper Danube**	**Governance**	X		
Wasserwirtschaftsamt Donauwörth	www.wwa-don.bayern.de	**Upper Danube**	**Governance**	X		
Wasserwirtschaftsamt Ingolstadt	www.wwa-in.bayern.de	**Upper Danube**	**Governance**	X		
Wasserwirtschaftsamt Regensburg	www.wwa-r.bayern.de	**Upper Danube**	**Governance**	X		
Wasserwirtschaftsverband Baden-Württemberg e. V.	https://www.wbw-ev.de/	**Upper Danube**	**Civil Society**	X		X
Water Europe	https://watereurope.eu/	**Transversal**	**Research**	X		X
WWF Deutschland	https://www.wwf.de/	**Upper Danube**	**Civil Society**		X	
WWF Österreich	https://www.wwf.at/	**Upper Danube**	**Civil Society**		X	
YGY Industries J.S.Co.		**Lower Danube**	**Business**			
Zelena akcija Croatia	https://zelena-akcija.hr/en General za@zelena-akcija.hr 01 4813 096	**Middle Danube**	**Civil Society**			X
Zweckverband Donau-Hafen Deggendorf	https://www.hafen-deggendorf.de/	**Upper Danube**	**Business**			X

Annex 2: List of all projects identified that contributed to the charter in de Danube Basin

Title	Objective 1	Objective 2	Objective 3	Link
Seas At Risk	x	x	x	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058121/LIFE2027
Improved transdisciplinary science for effective ecosystem-based maritime spatial planning and conservation in European Seas (MarinePlan)	x	x	x	https://cordis.europa.eu/project/id/101059407
Surfrider Foundation Europe for the preservation of the ocean	x	x	x	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058916/LIFE2027
Marine Protected Areas Europe	x			https://cordis.europa.eu/project/id/101059988
Underlying models for the European DIgital Twin Ocean - EDITO-Model Lab	x	x		https://cordis.europa.eu/project/id/101093293
Blueprint for Atlantic-Arctic Agora on cross-sectoral cooperation for restoration of marine and coastal ecosystems and increased climate resilience through transformative innovation	x	x		https://cordis.europa.eu/project/id/101093956
WWF European Policy Office, Operating Grant	x	x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058920/LIFE2027
MARINE BIODIVERSITY ASSESSMENT AND PREDICTION ACROSS SPATIAL, TEMPORAL AND HUMAN SCALES	x	x		https://cordis.europa.eu/project/id/101059915
OBSERVING AND MAPPING MARINE ECOSYSTEMS – NEXT GENERATION TOOLS	x	x		https://cordis.europa.eu/project/id/101081642
safeGUARDing biodivErsity aNd critical ecosystem services across sectors and scales	x	x	x	https://cordis.europa.eu/project/id/101060693
A climate neutral, sustainable and productive blue economy Parternship	x		x	https://cordis.europa.eu/project/id/101086379
Renewables Grid Initiative	x	x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058918/LIFE2027
INTEGRATED DigitaL Framework FOR Comprehensive MARITIME DATA AND INFORMATION SERVICES	x	x		https://cordis.europa.eu/project/id/101037643
MARine COastal BiOdiversity Long-term Observations	x			https://cordis.europa.eu/project/id/101082021
Surfrider Foundation Europe for the preservation of the ocean		x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101111878/LIFE2027
Oceana in Europe FPA 2022-2024		x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058653/LIFE2027
Social Transformation for Water Stewardship through Scaling Up Citizen Science	x	x		https://cordis.europa.eu/project/id/101094041
Ocean Sustainability through Education and Sport		x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43353764/101090795/ERASMUS2027

Title	Objective 1	Objective 2	Objective 3	Link
Renewables Grid Initiative	x	x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101059073/LIFE2027
Network of Science with and for Society National Contact Points 2019-2020		x		https://cordis.europa.eu/project/id/857769
New species, processes and products contributing to increased production and improved sustainability in emerging low trophic, and existing low and high trophic aquaculture value chains in the Atlantic		x	x	https://cordis.europa.eu/project/id/818173
Sustainable oceans : our collective responsibility, our common interest. Building on real-life knowledge knowledge systems for developing interactive and mutual learning media	x	x	x	https://cordis.europa.eu/project/id/652643
Renewables Grid Initiative	x	x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101112150/LIFE2027
Regions4Climate		x		https://cordis.europa.eu/project/id/101093873
Fair and effective financing for the environment and climate action in EU Overseas by 2030	x	x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101096887/LIFE2027
Surfrider Foundation Europe for the preservation of the ocean		x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058944/LIFE2027
Smart technology for MArinE Litter SusTainable RemOval and Management	x	x		https://cordis.europa.eu/project/id/101000832
RESTORATION OF THE DANUBE RIVER BASIN WATERS FOR ECOSYSTEMS AND PEOPLE FROM MOUNTAINS TO COAST	x	x		https://cordis.europa.eu/project/id/101093985
Large scale RESToration of COASTal ecosystems through rivers to sea connectivity	x	x		https://cordis.europa.eu/project/id/101037097
Ecocentric management for sustainable fisheries and healthy marine ecosystems	x			https://cordis.europa.eu/project/id/101000302
NOVEL ECO-CEMENTITIOUS MATERIALS AND COMPONENTS FOR DURABLE, COMPETITIVE, AND BIO-INSPIRED OFFSHORE FLOATING PV SUBSTRUCTURES		x		https://cordis.europa.eu/project/id/101084348
Stichting BirdLife Europe		x		https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101103515/LIFE2027
Coordination of Marine and Maritime Research and Innovation in the Black Sea	x	x		https://cordis.europa.eu/project/id/860055
Metrology for Integrated Marine Management and Knowledge-Transfer Network	x	x		https://cordis.europa.eu/project/id/101008724
Socio-economic Empowerment of coastal communities as users of the sea to ensure sustainable coastal development		x		https://cordis.europa.eu/project/id/101059957
Umweltorganisation WWF Central and Eastern Europe	x			https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058960/LIFE2027

Title	Objective 1	Objective 2	Objective 3	Link
Future Lives with Oceans and Waters	x	x		https://cordis.europa.eu/project/id/101093928
Developing Optimal and Open Research Support for the Black Sea (DOORS)	x	x		https://cordis.europa.eu/project/id/101000518
Support to Reinforce the European Strategy Forum on Research Infrastructures	x			https://cordis.europa.eu/project/id/823711
Advancing Black Sea Research and Innovation to Co-Develop Blue Growth within Resilient Ecosystems	x	x	x	https://cordis.europa.eu/project/id/101000240
MarinE litter transnational LegislaTion EnhanceMent and Improvement		x		https://keep.eu/projects/19021
Atlantic Ocean Research Alliance Support Action	x			https://cordis.europa.eu/project/id/652677
CAPACITY BUILDING NEXUS FOR MONITORING WATER QUALITY IN MULTI-STRESSOR AREAS: PILOT STUDY AT THE HELLENIC VOLCANIC ARC		x		https://cordis.europa.eu/project/id/101079156
ECOsystem-based governance with DAnube lighthouse Living Lab for sustainable Innovation processes	x			https://cordis.europa.eu/project/id/101093908
Wetlands International European Association	x			https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43252405/101058990/LIFE2027
The effectiveness of nitrogen and phosphorus load reduction measures from source to sea, considering the effects of climate change	x	x		https://cordis.europa.eu/project/id/101060418
Strategic Infrastructure for improved animal Tracking in European Seas	x			https://cordis.europa.eu/project/id/101094649
Danube Region Water Lighthouse Action	x	x		https://cordis.europa.eu/project/id/101094070
Preparing the Research & Innovation Core for Mission Ocean, Seas & Waters	x	x	x	https://cordis.europa.eu/project/id/101056957
Nature-Based Solutions Education Network		x		https://cordis.europa.eu/project/id/101060525
TakiNg actIoN to prevent and mitigate pollution oF groundwAter bodies		x		https://cordis.europa.eu/project/id/101081865
Risks posed to human health and the environment by pollutants and pathogens present in water ressources	x	x		https://cordis.europa.eu/project/id/869178
Sustainable development at the Black Sea	x			https://cordis.europa.eu/project/id/826469
Sustainable Development Goals - Enhanced monitoring through the family of copErnicus Services	x	x		https://cordis.europa.eu/project/id/101082311
Nature for insurance, and insurance for nature		x		https://cordis.europa.eu/project/id/101060464
Earth Observation Services for Fishery, Bivalves Mariculture and Oysterground Restoration along European Coasts	x		x	https://cordis.europa.eu/project/id/870465
Green Aquaculture Intensification in Europe		x	x	https://cordis.europa.eu/project/id/773330
Smart Control of the Climate Resilience in European Coastal Cities	x			https://cordis.europa.eu/project/id/101003534
Smart fisheries technologies for an efficient, compliant and environmentally friendly fishing sector	x			https://cordis.europa.eu/project/id/773521
The European Biodiversity Partnership	x	x		https://cordis.europa.eu/project/id/101052342
Just and effective governance for accelerating wind energy		x		https://cordis.europa.eu/project/id/101083936

Title	Objective 1	Objective 2	Objective 3	Link
UPSCALING THE PLASTIC PIRATES CITIZEN SCIENCE INITIATIVE	x	x		https://cordis.europa.eu/project/id/101088822
PREPARATORY PHASE FOR THE PAN-EUROPEAN RESEARCH INFRASTRUCTURE DANUBIUS–RI "THE INTERNATIONAL CENTRE FOR ADVANCED STUDIES ON RIVER-SEA SYSTEMS	x			https://cordis.europa.eu/project/id/739562
A touch of Blue in the EU Research Nights for a more Sustainable Use of the Ocean		x		https://cordis.europa.eu/project/id/101061605
Improved online public access to environmental monitoring data and data tools for the Black Sea Basin supporting cooperation in the reduction of marine litter		x		https://keep.eu/projects/22445
PrEseRvIng and sustainably governing Cultural heritage and Landscapes in European coastal and maritime regionS		x		https://cordis.europa.eu/project/id/770504
Protecting the EuRopean terrItory from organised enVironmentAl crime through inteLLigent threat detectiON tools	x			https://cordis.europa.eu/project/id/101073952
CLIMAte change citizens engagement toolbox for dealing with Societal resilience		x		https://cordis.europa.eu/project/id/101094021
Blue Culture Technology Excellence Hubs in EU Widening Member States		x		https://cordis.europa.eu/project/id/101087146
Regions for climate change resilience through Innovation, Science and Technology	x			https://cordis.europa.eu/project/id/101093968
Joint cross-border initiatives for reduction of marine litter in Aegean and Black Sea (Seas without waste)		x		https://keep.eu/projects/23807
Capitalising good coastal practices and improving policies to prevent marine litter		x		https://keep.eu/projects/21481
Reshaping European Advances towards green Leadership Through Deliberative Approaches and Learning		x		https://cordis.europa.eu/project/id/101037071
Raising Public Awareness and Reducing Marine Litter for Protection of the Black Sea Ecosystem		x		https://keep.eu/projects/24607
TWINNING FOR ENHANCING THE SCIENTIFIC EXCELLENCE OF FACULTY OF TECHNOLOGY NOVI SAD FOR INNOVATIVE SOLUTIONS TO PROTECT ENVIRONMENTAL RESOURCES FROM CONTAMINANTS OF EMERGING CONCERN		x		https://cordis.europa.eu/project/id/101059867
Research Infrastructures Services Reinforcing Air Quality Monitoring Capacities in European Urban & Industrial AreaS (RI-URBANS)		x		https://cordis.europa.eu/project/id/101036245
Enriching the Green and Blue Transition Research and Training Network by Working Together through the New European Research Area		x		https://cordis.europa.eu/project/id/101081645
Cleaner Rivers - Cleaner Seas, Cleaner Rivers - Cleaner Seas, Cleaner Rivers - Cleaner Seas,		x		https://keep.eu/projects/24611
Innovative techniques and methods for reducing the marine litter in the Black sea coastal areas		x		https://keep.eu/projects/22460
Joint actions for environmental protection in Black Sea Basin - BeECO		x		https://keep.eu/projects/24608

Title	Objective 1	Objective 2	Objective 3	Link
Zero Waste Strategy For Good Environmental Status,		x		https://keep.eu/projects/22448
Distributed System of Scientific Collections - Preparatory Phase Project		x		https://cordis.europa.eu/project/id/871043
Zero Waste Strategy: Methods and Implementation in Black Sea Basin		x		https://keep.eu/projects/24610
Waste Free Rivers for a Clean Black Sea		x		https://keep.eu/projects/22470
Marine and River Litter Elimination New Approach		x		https://keep.eu/projects/22474
Assessing the vulnerability of the Black Sea marine ecosystem to human pressures,		x		https://keep.eu/projects/22475
Providing shoreside electrical power to ships at berthing in the Port of Constanta (Cold Ironing)			3	https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/projects-details/43251567/101079700/CEF
Anti-Littering Partnership for Green Rural Areas		x		https://keep.eu/projects/24593
Eco-Conscious Minds to Stop Pollution in the Valuable Wetlands of Black Sea Basin		x		https://keep.eu/projects/23151
Macro-plastic-waste in and along the River Danube		x		https://keep.eu/projects/20505
High performance green port Giurgiu - Stage II construction			x	https://ec.europa.eu/assets/cinea/project_fiches/cef/cef_transport/2014-RO-TMC-0313-W.pdf
Danube Wetlands and flood plains Restoration through IA	x	x	x	https://cordis.europa.eu/project/id/101113015
Danube Alliance	x		x	https://danube-region.eu/danube-alliance-for-sme-competitiveness/
TRESOILPower2X Waste Plastic To Hydrogen/Ammonia	x	x	x	https://maritime-forum.ec.europa.eu/node/5272_en
Danube Priority Area Water Quality	x	x		https://waterquality.danube-region.eu/
Blueing the Black Sea		x	x	https://www.thegef.org/projects-operations/projects/10563
Belgrade-transformation Urban place and climate network			x	http://dab.rs/, http://bina.rs/
DALIA - Danube Lighthouse Innovation Action	x	x		https://restore4life.eu/
science-policy discussion, mobilization of authorities	x		x	ww.bioeast.eu
Implementation of Living Labs in the Black Sea	x			http://bridgeblacksea.org/
Protect and restore freshwater ecosystems and biodiversity	x			https://sazp.sk/
Plastic Pirates - Go Europe!		x		https://www.plastic-pirates.eu/en/about
Smart Mobility Solutions in Danube Delta - Case studies	x		x	https://3d.ddni.ro/
Deltas & Wetlands	x			3d.ddni.ro
EDAPHIC-BLOOM Danube	x			3d.ddni.ro
DRFRT - DANUBE RIPARIAN FOREST RESTORE TOOL	x		x	https://maritime-forum.ec.europa.eu/node/5061_en
R2D2forests – Retracing Romania's Danubian Degraded forests	x		x	https://maritime-forum.ec.europa.eu/node/5062_en
Actions for climate change and climate action among young	x			https://3d.ddni.ro
Clean islands on the Danube river and new bathing areas	x			https://maritime-forum.ec.europa.eu/node/4977_en
Limit the destruction of the water aquifer for Net Zero C	x	x		https://3d.ddni.ro
3D Initiative	x			https://3d.ddni.ro

Title	Objective 1	Objective 2	Objective 3	Link
Fostering river continuity on the Danube and tributaries to	x			https://maritime-forum.ec.europa.eu/node/4988_en
Introduction of aquaponics on small fishery farms		x		http://www.akvaponija.org.rs
Development of advanced flood monitoring and early warning p	x	x	x	https://www.uni-ruse.bg/
The 'Green Hydrogen @ Blue Danube' project			x	https://maritime-forum.ec.europa.eu/node/5025_en
Creation and development of the Danube Hydrogen Valley	x	x	x	https://www.uni-ruse.bg/en
Sustaining the Black Sea Young Ambassadors Programme	x			http://connect2blacksea.org/outreach/youth-ambassadors/
Development of flood monitoring and early warning platform	x	x		https://sigma.bg/en/home/
Centre of Research for Water Systems	x	x		https://maritime-forum.ec.europa.eu/node/5032_en
4C4Danube	x		x	https://maritime-forum.ec.europa.eu/node/4966_en
ZERO carbon transport and energy systems in Danube region		x	x	http://www.comoti.ro/en/
Cross-border Romania–Bulgaria roadmap to hydrogen mobility			x	www.adodunav.org
Blue growth accelerator			x	www.bfu.bg and doorsblacksea.eu
Microplastics Monitor	x	x	x	www.aqualid.eu

Annex 3: Questionnaire designed to start engagement with relevant stakeholders in DRB

To Whom It May Concern,

You are invited to take part in a survey to consolidate information on Mission Ocean objectives, and engage a wide community of relevant stakeholders across the entire Danube River Basin.

Upon your feedback, an interview will be conducted to understand the innovation ecosystem and opportunities for collaboration.

General Data Protection Regulation (GDPR) will be considered

Thank you for your interest and input provided. CORE team of EcoDaLLi (link)

Date: Select the date

BASIC INFORMATION

ORGANIZATION NAME	Enter organization name	
LOCATION	Type your organization adress here	
NAME	First Name	Last Name
EMAIL	Contact email adress	TEL. Contact tel. No.

STAKEHOLDER TYPE

ADMINISTRATION ☐	NGO ☐	ACADEMIC INSTITUTION ☐
COMPANY ☐	RESEARCH ☐	Fill in -OTHER

1. **Does your organization have a sustainability strategy?**

YES ☐ IN PROGRESS ☐ NO ☐

2. **Which of the 3 Pillars of Business sustainability has priority?**

ENVIRONMENT☐	SOCIAL☐	ECONOMIC☐
Water system restoration☐	Social equity☐	Smart growth☐
Pollution ☐	Education☐	Long Range Planning☐
Circular economy☐	Democratic participation☐	Cost savings☐
Biodiversity☐	Social well-being☐	Research and development☐

3. **As part of your organization's activities, does your organization have an ecological preservation management approach?**

YES ☐ IN PROGRESS ☐ NO ☐

4. **Is your organization working/collaborating with:**

Local businesses ☐	Communities ☐	NGO`s ☐
Educational institutions ☐	Research institutions ☐	Public Institutions ☐
Environmental specialists ☐	To be added…	To be added…

5. **Does your organization have a climate sustainability literacy program for staff members?**

YES ☐ IN PROGRESS ☐ NO ☐

6. **Is your organization?**

Conducting training for the green transition and sustainable development ☐

Providing opportunities to attend technical training relating to sustainability ☐

Allocating sufficient staff members and time to deliver on its climate ambitions ☐

Encouraging upskilling of its staff members in relation to sustainability ☐

7. **Does your organization have a budget for environmental and sustainable development?**

YES ☐ IN PROGRESS ☐ NO ☐

8. **From the environmental point of view, does your organization:**

-use whole-life costing when assessing projects ☐

-measure financial value of the of wider socio-economic benefits ☐

-have officers with the expertise to make the business case for climate-related projects ☐

9. **Does your organization report on the effects left on organisms and their environment due to actions made by human-activity using a systematic recognized methodology?**

YES ☐ IN PROGRESS ☐ NO ☐

10. **Your organization has:**

clear targets and KPI`s on Climate Change Performance ☐

processes to collect and report on climate change/biodiversity impact data ☐

Accessible data on: biodiversity conservation☐, water system protection☐, climate change☐

11. **Does your organization have in place a clear and comprehensive process relating to innovation?**

YES ☐ IN PROGRESS ☐ NO ☐

12. **Your organization embraces the potential of:**

Nature-based Solutions ☐ New technologies ☐ Man-made solutions ☐

and engages in

Collaborative innovation ☐ Demo. and pilot projects ☐ Open innovation ☐

13. **Has your organization launched an environmental protection/restoration program?**

YES ☐ IN PROGRESS ☐ NO ☐

14. **Has your organization invested in reducing environmental impact and green/blue infrastructure?**

YES ☐ IN PROGRESS ☐ NO ☐

15. **Does your organization actively support a transition to a circular blue economy in your area?**

YES ☐ IN PROGRESS ☐ NO ☐

16. **Please select if you are involved in one or both of the following programs, related to sustainability.**

Behavioral change program for local residents and businesses ☐

Behavioral change program for staff members ☐

Other engagement questions

What is your organization`s main interest in preserving natural water systems?

Protecting nature ☐ Preserving local tourism ☐

Promoting sustainability ☐ Environmental conservation ☐

Note

Protecting nature- creating regulations or policies to limit or prevent development near natural water systems, investing in conservation and restoration projects, working with stakeholders to develop strategies for protecting these resources.

Preserving local tourism- engage in providing various recreational opportunities for visitors, such as fishing, boating, kayaking, swimming, etc., also promote tourism and economic development in local communities.

Promoting sustainability- Engage in conservation and restoration projects. Promote to the public ways to avoid polluting or corrupting these resources. Governments can ensure the sustainability of these resources by creating regulations and policies to limit (or prevent) development near them.

Environmental conservation- Start with regular maintenance that prevents pollution. Engage research to filter out pollutants that would otherwise enter waterways and harm aquatic life. Preserve these resources so that the environment remains healthy for future generations.