

<b>WP 1</b>	<b>Deliverable No. 1</b>
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**MARBEFES Project**

<b>Title: Stakeholder Group-Member List</b>  Delivery date: M4 (postponed till M6)
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## Introduction

In this deliverable (1.1) an overview is presented of the stakeholders in the various Broad Belt Transects (BBTs) of the project, who are willing to participate in WP1 (Stakeholder Involvement) activities. Moreover, an overview is given of activities undertaken by WP1 since the start of the project in September for the purpose of proper and sufficient participation of stakeholders.

Firstly, a brief recap of WP1's activities from September to January is given, summarising the actions described in full detail in Milestone 1.1 and 1.2 (Hummel et al. 2022a,b).

Subsequently, the process of stakeholder engagement is described, followed by a short recap of the methods to be used during the surveys and interviews, and the tentative travel planner for the visits to the BTTs to perform the surveys and interviews.

## WP1 Activities – September to January

During the first phase of the project, from September to end of October, the focus of WP1 lied with creating a protocol for stakeholder involvement. The protocol was created mainly to guide Contact Persons (CPs) in various BBTs when reaching out to potential stakeholders for the project. It included a typology of different stakeholder categories (see table 1) to aid the CPs in selecting and identifying relevant stakeholders in each BBT, and a detailed description of our proposed methodology to be carried out uniformly across all BBTs. In addition to creating the stakeholder protocol, a draft of the stakeholder survey was created, for which input and suggestions were asked to the CPs. A detailed description of these initial activities can be found in Milestone 1.1 (Hummel et al. 2022a).

Table 1. Stakeholder categories used in WP1

• Public audience // Individual and collective action
• Industry and private sector // Economy and finance
• Public authorities // Governance
• Academia and research // Science and innovation

In November and December, the CPs started reaching out to stakeholders to inquire about their participation in MARBEFES WP1 activities, encouraging them to sign up to the project using an online Google form. Also, in this period the survey was significantly improved as a result of the input, suggestions, and feedback from the CPs, WP leads, and other colleagues. This process is outlined in detail in Milestone 1.2 (Hummel et al., 2022b). As noted in Milestone 2, the majority of the CPs failed however to provide a complete list of stakeholders in December, leading to the postponement of the submission of this Deliverable 1.1 until middle February.



## WP1 Activities – Stakeholder Engagements

The stakeholders in the various BBTs are surveyed and interviewed in WP1 in order to inventory their views on the balance between nature, economy and society of stakeholders in their marine and coastal areas. Such is done to help develop, in the other WPs, practical tools and instruments for better management and decision-making in coastal zones across Europe.

The interactions with stakeholders in the first year concentrate on a Survey in which the most important elements are inventoried and on an Interview during which the strength of the influence and interactions between the important elements are assessed.

In January 2023, significant progress was made in stakeholder engagement across most BBTs.

Table 2 shows an overview of stakeholder engagements per BBT as it currently stands, including the distribution of stakeholders across the different stakeholder categories.

A total of 401 stakeholders potentially participating in WP1 activities has been reached. Yet, the list may include at this moment, next to those stakeholders who have officially registered through the online consent form, also those stakeholders who are in the process of doing so, or those stakeholders who have not yet been approached by the CPs but will be in the near future.

Table 2. Overview of stakeholder engagements per territory and per category

	Total	Consented	Industry & private sector	Public authorities	Public audience	Research & academia
<b>Balearic</b>	26	4	11	10	1	4
<b>Finish Archipelago</b>	26	4	10	5	6	5
<b>Gulf of Biscay</b>	18	0	5	5	4	4
<b>Heraklion</b>	23	23	9	4	4	6
<b>Curonian Lagoon</b>	5	5	1	3	0	1
<b>Spitsbergen</b>	29	0	10	3	6	10
<b>Porsangerfjord</b>	25	0	2	5	9	9
<b>Belgian Doggerbank</b>	12	12	1	2	4	5
<b>Sardinia</b>	18	18	5	7	6	0
<b>Liverpool Dublin Bay</b>	152	0	>15	>15	>15	>15
<b>Gulf of Gdansk</b>	67	0	>5	>30	>10	>10

## Overview of methods

In order to effectively capture stakeholders' views and perceptions, the interviews and surveys will happen in-person and on location. WP1 has designed a methodology that will be applicable in the various contexts of the different BBTs to allow for the development of scalable tools and instru-



ments. Consistent data-collection and analysis is ensured through uniform interview and survey protocols, and HuFoSS's neutral position as an outside party without conflicting interests guarantees impartiality.

### Interview

The open interview will be conducted face-to-face with the participant(s), possibly at the residence/institute of the stakeholder themselves and will last about 2.5 to 3 hours per interview. The purpose of the open interview is to uncover the views, perceptions, and opinions of key stakeholders on the influence and relationships between the most important factors of the marine ecosystem and its biodiversity, the services and benefits it can deliver, and the associated marine economy and social well-being in their coastal community.

During the interview, the stakeholders are asked to express their views and opinions on issues for approximately 1 hour with minimal interference from the interviewer. The interviewer will record keywords for any ecological, economic, social-cultural, or managerial factors raised by the stakeholder. In the following hour, the interviewer will review the keywords with the stakeholder and ask them to indicate the strength of relationships between the topics, which can be either positive or negative.

Each stakeholder may be represented during the open interview by multiple persons, such as two or three colleagues.

### Survey

The closed survey uses a structured questionnaire covering seven master categories: 1) ecosystem structure and function, 2) ecosystem services, 3) socio-economic aspects, 4) sociocultural values, 5) governance A, 6) governance B – rules and regulations, and 7) pressures.

Each of these master categories contains different elements (e.g. biodiversity, employment opportunities, place-based identity etc.). In the survey, these elements are supplemented with examples, synonyms and in some cases translations into local languages, to avoid misunderstandings and provide context to stakeholders. During the survey, stakeholders are asked to rank the elements, from their own point of view, following a Likert scale from 0 (not present) to 5 (extremely important). Ideally, the closed survey will be conducted in a workshop at a central location in each BBT. The workshop/survey will last about 2 to 3 hours, and, if possible, multiple stakeholders are present simultaneously.

### The “Third List”

In addition to the survey and interviews, the stakeholders will be provided with a supplementary list of questions, referred to as the "Third List". This list is designed to address specific data needs of the other WPs and allows for more targeted questions related to their tasks and topics, (e.g. rules and regulations, future scenarios and so on). This Third List is separate from the survey and interview and will only be shared with those stakeholders who are willing to be of further assistance. They may respond to these questions either on the spot or at a later time, either in-person or online. The answers provided by stakeholders to questions on the Third List will be directly sent to the relevant WP or Task leads. The draft Third List can be found in Appendix 7.



## Next steps

From the end of February onwards, interviews and surveys will be conducted in all BBTs, starting with the Island of Sardinia, Italy (for a full overview of the survey and interview planner, see appendix 4). The initial series of surveys and interviews in the first project-year is estimated to be finalised in August 2023.

The data will be processed already as much as possible during the ongoing surveys and interviews, in order to supply the basic results to the other WPs.

A more complete overview of results will be presented at the General Assembly, beginning October, in Klaipeda, Lithuania.

## Conclusions

In conclusion, in September to December WP1 was focused on creating a protocol for stakeholder involvement and reaching out to stakeholders for participation. In January significant progress was made in stakeholder engagement, resulting in more than 400 stakeholders becoming potentially involved in MARBEFES. From February onwards, interviews and surveys will be conducted in all BBTs starting with Sardinia, Italy.

## References

- Hummel, H., J. Koopman, B. Thijssen, B. Sturm, R. Segeren, 2022a. Milestone 1.1. MARBEFES WP1: Stakeholder involvement. EC Horizon Europe project MARBEFES.
- Hummel, H., J. Koopman, B. Thijssen, B. Sturm, R. Segeren, 2022b. Milestone 1.2. MARBEFES WP1: Stakeholder involvement. EC Horizon Europe project MARBEFES, 9 pp.



## Appendix 1 – Distribution of stakeholders per category across all BBTs

<b>BBT</b>	<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>INDUSTRY AND PRIVATE SECTOR</b>	<b>PUBLIC AUTHORITIES</b>	<b>PUBLIC AUDIENCE</b>	<b>RESEARCH AND ACADEMIA</b>
Balearic	26	4	11	10	1	4
Finnish Archipelago	26	4	10	5	6	5
Gulf of Biscay	18	0	5	5	4	4
Heraklion	23	23	9	4	4	6
Curonian Lagoon	5	5	1	3	0	1
Spitsbergen	29	0	10	3	6	10
Porsangerfjord	25	0	2	5	9	9
Belgian Doggerbank	12	12	1	2	4	5
Sardinia	18	18	5	7	6	0
Liverpool Dublin Bay	152	0	>15	>15	>15	>15
Gulf of Gdansk	67	0	>5	>30	>10	>10



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## Appendix 2 – Distribution of stakeholders per category per BBT separately

<b>Balearic</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>26</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>4</b>	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>11</u></b>	
1.1 tourism/recreation	5	diving schools
		marina
		recreational fisheries (federation in Palma)
		tourism boats ("glass bottom boat")
		water recreation - kayak and paddle
1.2 heavy industry	0	
1.3 transport	1	Balearia ferry
1.4 hotel/restaurant	2	hotels
		restaurants
1.5 fisheries	2	artisanal fisheries
		artisanal fisheries in Ciudadella
1.6 trade	0	
1.7 other commercial enterprises	1	red eléctrica - enterprise underwater cables
<b><u>2. Public Authorities</u></b>	<b><u>10</u></b>	
2.1 port authorities	1	
2.2 advisory bodies	1	fisheries council
2.3 policy	1	
2.3a local	2	local council in Cala Ratjada
		local council in Ciudadella
2.3b national	0	
2.3c international	0	
2.4 P.A. management	2	Natural Park information office IBANAT/Arta
		rangers from Marine reserve
2.5 coastal management	1	ports IB
2.6 tourism office	2	tourism office (Cala Ratjada)
		tourism office (Menorca)



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<b>3. Public Audience</b>	<b><u>1</u></b>	
3.1 religious organizations	0	
3.2 unions	0	
3.3. NGOs	1	Marilles Foundation
3.4 heritage	0	
3.5 cultural sector	0	
<b>4. Academia &amp; Research</b>	<b><u>4</u></b>	
4.1 universities		
4.2 schools (excl. Univ.)	1	school and high school teachers
4.3 research institutes	3	IMEDEA
		SOCIB
		IEO



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<b>Finnish Archipelago</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>26</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>4</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>10</u></b>	
1.1 tourism/recreation	2	Visit Turku ( <a href="https://visitturku.fi/">https://visitturku.fi/</a> ) diving schools and companies: URSUIT
1.2 heavy industry	0	
1.3 transport	2	Viking Line Private Ferry Company Meyer Turku (shipyard, e.g. cruises)
1.4 hotel/restaurant	4	laivahostel S/S Bore (Hostel in Turku) Archipelago Centre Korpoström - The Hotel Ruissalo Spa Ruissalo Camping
1.5 fisheries	1	ariristo-Velkuan kalatalousalue
1.6 trade	0	
1.7 other commercial enterprises	1	entrepreneurs through UNESCO biosphere Reserve ambassadors
<b><u>2. Public Authorities</u></b>	<b><u>5</u></b>	
2.1 port authorities	0	
2.2 advisory bodies	2	Centre for Economic Development Transport and Environment (VarEly) Centrum Balticum
2.3 policy		
2.3a local	1	City of Turku (administration)
2.3b national	0	
2.3c international	0	
2.4 P.A. management	1	Metsähallitus ( <a href="http://www.metsa.fi/en">www.metsa.fi/en</a> )
2.5 coastal management		Coastal fleet, Pansio Base (Navy)
2.6 tourism office	0	
2.7 state owned transport	1	Finn Ferries (ferry company)
<b><u>3. Public Audience</u></b>	<b><u>6</u></b>	



3.1 religious organizations		
3.2 unions		
3.3. NGOs		Keep the Archipelago Tidy Association (Pidä Saaristo Siistinä ry)
3.4 heritage	1	Festivals Archipelago Sea Jazz
3.5 cultural sector	5	Forum Marinum Maritime Center in Turku
		Houtskärs Skärgårdsmuseum, Houtskär island
		Archipelago Centre Korpoström
		The Scouts
		Rotary
<b>4. Academia &amp; Research</b>	<b>5</b>	
4.1 universities	2	Åbo Akademi University (ÅAU Student association)
		univeristy of Turku
4.2 schools (excl. Univ.)	2	Students (primary and secondary schools + day-care), via STEAM-Turku coordinator
		Secondary and higher technical school students and teachers at Livia, Pargas
4.3 research institutes	1	Scientists at Åbo Akademi, Luke, etc.



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<b>Gulf of Biscay</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>18</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>0</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>5</u></b>	
1.1 tourism/recreation	1	KOA escuela de Surf
1.2 heavy industry	1	Comunicación HISPANAGAR SA
1.3 transport	1	Los Tricios-Pedreñeras (Bahía Ferries)
1.4 hotel/restaurant	0	
1.5 fisheries	1	Federación Española de Pesca y Casting (Delegación Territorial de Cantabri)
1.6 trade	0	
1.7 other commercial enterprises	1	Ecohydros
<b><u>2. Public Authorities</u></b>	<b><u>5</u></b>	-
2.1 port authorities	1	Port of Santander
2.2 advisory bodies	0	
2.3 policy	3	
<i>2.3a local</i>	2	Ayuntamiento de Santander-Plan Sostenibilidad turística
		Dirección General del Medio Ambiente y Cambio Climático
		Dirección General de Pesca y Alimentación
<i>2.3b national</i>	2	Demarcación de Costas en Cantabria
		MAPAMA-Inspectora Pesca
<i>2.3c international</i>	0	
2.4 P.A. management	0	
2.5 coastal management	0	
2.6 tourism office	0	
2.7 other public authorities	1	Cámara de Comercio de Cantabria
<b><u>3. Public Audience</u></b>	<b><u>4</u></b>	
3.1 religious organizations	0	
3.2 unions	0	
3.3. NGOs	2	Seo-Birdlife
		Red Cambera



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3.4 heritage	2	Centinelas
		Costa Quebrada, Parque Geológico
3.5 cultural sector	0	Museo Marítimo del Cantábrico
<b>4. Academia &amp; Research</b>	<b>4</b>	
4.1 universities	0	
4.2 schools (excl. Univ.)	0	
4.3 research institutes	4	Instituto Español de Oceanografía
		IHCantabria
		UC- DPTO. GEOGRAFIA, URBANISMO Y ORDENACION DEL TERRITORIO
		Centro de Investigación del Medio Ambiente-CIMA



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<b>Heraklion</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>23</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>23</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>9</u></b>	
1.1 tourism/recreation	7	Aquaworld Aquarium & Reptile Rescue Centre HCMR, Cretaquarium Horizon Diving - Almpantakis Ioannis Archaeologist-Museologist-Tourist Guide WeGuide.gr Diving instructor Pescaturismo
1.2 heavy industry	0	
1.3 transport	1	Five Senses Consulting and Development. Cruise Shipping Experts
1.4 hotel/restaurant	0	
1.5 fisheries	1	REGION OF CRETE / REGIONAL UNIT OF HERAKLION / FISHERIES DEPARTMENT
1.6 trade	0	
1.7 other commercial enterprises	0	
<b><u>2. Public Authorities</u></b>	<b><u>4</u></b>	-
2.1 port authorities	0	
2.2 advisory bodies	1	Development Planning HERAKLION SINGLE MEMBER S.A.
2.3 policy	3	
<i>2.3a local</i>	3	Decentralized Administration of Crete, Environment & Spatial Planning Directorate REGION of CRETE PREFECTURE OF CRETE
<i>2.3b national</i>		Water Directorate
<i>2.3c international</i>		
2.4 P.A. management	0	
2.5 coastal management	0	
2.6 tourism office	0	
<b><u>3. Public Audience</u></b>	<b><u>4</u></b>	



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3.1 religious organizations	0	
3.2 unions	0	
3.3. NGOs	1	Non Governmental Organization of Women “IR-IDA” in the Municipality of Hersonisos
3.4 heritage	1	Ephorate of Underwater Antiquities
3.5 cultural sector	2	Natural History Museum of Crete
		Archaeological Museum of Heraklion
<b>4. Academia &amp; Research</b>	<b>6</b>	
4.1 universities	1	University of Crete School of Sciences & Engineering Natural History Museum
4.2 schools (excl. Univ.)	3	Regional Directorate of Primary & Secondary Education of Crete
		Regional Administration of Education - Crete
		Coordinator of primary education Regional directorate of Primary and Secondary Education of Crete
4.3 research institutes	2	Artificial Reef Innovative Applications (ARIA), Spin-off company of HCMR
		Foundation for Research & Technology – Hellas



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<b>Curonian Lagoon</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>5</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>5</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>1</u></b>	
1.1 tourism/recreation	0	
1.2 heavy industry	0	
1.3 transport	0	
1.4 hotel/restaurant	0	
1.5 fisheries	1	Fishery association "Vidmares"
1.6 trade	0	
1.7 other commercial enterprises	0	
<b><u>2. Public Authorities</u></b>	<b><u>3</u></b>	-
2.1 port authorities	0	
2.2 advisory bodies	0	
2.3 policy	1	
2.3a local	0	
2.3b national	1	Ministry of Environment of the Republic of Lithuania
2.3c international	0	
2.4 P.A. management	2	Curonian Spit national park administration Environmental Protection Agency
2.5 coastal management	0	
2.6 tourism office	0	
<b><u>3. Public Audience</u></b>	<b><u>0</u></b>	
3.1 religious organizations	0	
3.2 unions	0	
3.3. NGOs	0	
3.4 heritage	0	
3.5 cultural sector	0	
<b><u>4. Academia &amp; Research</u></b>	<b><u>1</u></b>	



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4.1 universities	0	
4.2 schools (excl. Univ.)	0	
4.3 research institutes	1	Coastal Research and Planning Institute



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<b>Svalbard</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>29</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>0</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>10</u></b>	
1.1 tourism/recreation	6	Association of Arctic Expedition Cruise Operators (AECO)
		Hurtigruten (Norwegian public coastal route).
		Polar Adventure co.
		Svalbard Guide association
		Svalbard tourist information service
		Visit Svalbard
1.2 heavy industry	2	Store Norske Spitsbergen Kulkompani AS
		Trust Arktikugol
1.3 transport	2	Pole Position Spitsbergen
1.4 hotel/restaurant	0	
1.5 fisheries	0	
1.6 trade	0	
1.7 other commercial enterprises	0	
<b><u>2. Public Authorities</u></b>	<b><u>3</u></b>	-
2.1 port authorities	0	
2.2 advisory bodies	1	Norwegian Biodiversity Information Centre (NBIC)
2.3 policy	1	
2.3a local	0	
2.3b national	1	Governor of Svalbard
2.3c international	0	
2.4 P.A. management	0	
2.5 coastal management	0	
2.6 tourism office	0	
<b><u>3. Public Audience</u></b>	<b><u>6</u></b>	
3.1 religious organizations	1	Svalbard church
3.2 unions	0	



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3.3. NGOs	2	Bellona
		World Wildlife Fund (WWF)
3.4 heritage	0	
3.5 cultural sector	3	Longyearbyen Lokalstyre (community council)
		NRK Troms and Finnmark
		Svalbard Museum
3.6 associations and clubs	5	Birdlife Svalbard (LoFF)
		Longyearbyen hunting and fishing association.
		Svalbard sailing club
		Svalbard cabin owners association
		Svalbard hundeklubb
<b>4. Academia &amp; Research</b>	<b><u>10</u></b>	
4.1 universities	1	Universitetsenter på Svalbard (UNIS)
4.2 schools (excl. Univ.)	3	Kullungen Kindergarten
		Polarflokken Kindergarten
		Svalbard folk-high school
4.3 research institutes	6	Norwegian institute of Marine Research
		Svalbard Integrated Arctic Earth Observing System (SIOS)
		Kings Bay
		Fridtjof Nansen Institute
		Norwegian Marine Research Institute (Tromsø branch)
		Norwegian Polar Institute



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<b>Porsangerfjord</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>25</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>0</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>2</u></b>	
1.1 tourism/recreation	0	
1.2 heavy industry	0	
1.3 transport	0	
1.4 hotel/restaurant	0	
1.5 fisheries	2	Norway King Crab Norwegian Fishermans Association (Northern Branch)
1.6 trade	0	
1.7 other commercial enterprises	0	
<b><u>2. Public Authorities</u></b>	<b><u>5</u></b>	-
2.1 port authorities	0	
2.2 advisory bodies	3	Norwegian Environment Agency Norwegian Fisheries directorate Norwegian Maritime Authority.
2.3 policy	2	
2.3a local	1	County Governor of Troms and Finnmark
2.3b national	1	The Sami parliament
2.3c international	0	
2.4 P.A. management	0	
2.5 coastal management	0	
2.6 tourism office	0	
<b><u>3. Public Audience</u></b>	<b><u>9</u></b>	
3.1 religious organizations	3	Kistrand church Lakselv church Børselv church
3.2 unions	0	
3.3. NGOs	3	Birdlife Norway Bellona World Wildlife Fund (WWF)



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3.4 heritage	0	
3.5 cultural sector	3	NRK Troms and Finnmark
		Porsanger museum
		The Arctic University Museum of Norway omsø museum
3.6 associations and clubs	2	Lakselv hunting and fishing association.
		South Varanger hiking group
<b>4. Academia &amp; Research</b>	<b>9</b>	
4.1 universities	1	UiT The Arctic University of Norway
4.2 schools (excl. Univ.)	1	Lakselv high school
4.3 research institutes	6	Norwegian institute of Marine Research
		Norwegian Biodiversity Information Centre (NBIC)
		Fridtjof Nansen Institute
		Norwegian Marine Research Institute (Tromsø branch)
		Norwegian Polar Institute
		Nofima
4.4 research funder	1	Norwegian Seafood Research Fund.



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<b>Belgium Doggerbank</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>12</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>12</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>1</u></b>	
1.1 tourism/recreation	1	Sportvisserij Vlaanderen - recreational fishing
1.2 heavy industry	0	
1.3 transport	0	
1.4 hotel/restaurant	0	
1.5 fisheries	0	
1.6 trade	0	
1.7 other commercial enterprises	0	
<b><u>2. Public Authorities</u></b>	<b><u>2</u></b>	-
2.1 port authorities	0	
2.2 advisory bodies	1	Kustwerkgroep (KWG)
2.3 policy	1	
2.3a local	1	Provincie West-Vlaanderen
2.3b national		
2.3c international		
2.4 P.A. management	0	
2.5 coastal management	0	
2.6 tourism office	0	
<b><u>3. Public Audience</u></b>	<b><u>4</u></b>	
3.1 religious organizations	0	
3.2 unions	0	
3.3. NGOs	1	WWF-Belgium
3.4 heritage	0	
3.5 cultural sector	0	
3.6 civil movement	3	Proper Strand Lopers
		vzw Restart
		Marien Ecologisch Centrum
<b><u>4. Academia &amp; Research</u></b>	<b><u>5</u></b>	
4.1 universities	1	UAntwerpen



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4.2 schools (excl. Univ.)	0	
4.3 research institutes	4	Royal Belgian Institute of Natural Sciences
		Flanders Marine Institute
		VLIZ
		VLIZ (Flanders Marine Institute)



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<b>Sardinia</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>		<b>18</b>
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>		<b>18</b>
-		-
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>5</u></b>	
1.1 tourism/recreation	2	Pescaturismo Faber KORAKODES DIVING
1.2 heavy industry	0	
1.3 transport	0	
1.4 hotel/restaurant	1	Domo La Laguna
1.5 fisheries	0	
1.6 trade	1	ALEA Società Cooperativa
1.7 other commercial enterprises	1	SERGIO PESCA ORISTANO (fishing equipment)
<b><u>2. Public Authorities</u></b>	<b><u>7</u></b>	
2.1 port authorities	0	
2.2 advisory bodies	1	Associazione Gal Sinis
2.3 policy	1	
2.3a local	1	Delegazione provinciale LIPU Oristano
2.3b national	0	
2.3c international	0	
2.4 P.A. management	2	Marine Protected Area "Pensinsula Sinis - Mal di Ventre island" Area Marina Protetta "Penisola del Sinis - Isola di Mal di Ventre"
2.5 coastal management	2	Corpo Forestale V.A. A.s.d. Sea Scout
2.6 tourism office	0	
2.7 police	1	Capitaneria di porto di Oristano
<b><u>3. Public Audience</u></b>	<b><u>6</u></b>	
3.1 religious organizations	0	
3.2 unions	1	Legacoop Sardegna
3.3. NGOs	1	Volunteer
3.4 heritage	1	Penisola del Sinis Società Cooperativa





3.5 cultural sector	2	IIS 'De Castro'
		AFNI Associazione Fotografi Naturalisti Italiani
3.6 clubs and associations	1	Veliamoci a.s.d.
<b>4. Academia &amp; Research</b>	<b>0</b>	
4.1 universities	0	
4.2 schools (excl. Univ.)	0	
4.3 research institutes	0	



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<b>Gulf of Gdansk</b>		
<b>TOTAL NUMBER OF STAKEHOLDERS</b>	<b>58</b>	
<b>NUMBER OF CONSENTED STAKEHOLDERS</b>	<b>0</b>	
-	-	
<b>CATEGORY</b>	<b>NUMBER OF SH</b>	<b>ORGANIZATION</b>
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>0</u></b>	
1.1 tourism/recreation	0	
1.2 heavy industry	0	
1.3 transport	0	
1.4 hotel/restaurant	0	
1.5 fisheries	0	
1.6 trade	0	
1.7 other commercial enterprises	0	
<b><u>2. Public Authorities</u></b>	<b><u>27</u></b>	-
2.1 port authorities	0	
2.2 advisory bodies	1	The state Environmental Monitoring - Monitoring of the Baltic Sea
2.3 policy	22	
<i>2.a local</i>	19	Commune of Choczewo
		Commune of Krokowa
		Commune of Władysławowo
		Commune of Jastarnia
		Commune of Hel
		Commune of Puck
		Commune of Kosakowo
		Commune of Stegna
		Commune of Stegna
		Commune of Krynica Morska
		Commune of Cedry Wielkie
		Commune of Kolbudy
		Gdynia City Hall
		Sopot City Hall
		Elbląg City Hall
		Pruszcz Gdanski City Hall
		Commune of Gniewino



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		Regional Directorate of Environmental Protection in Gdańsk
		Marshal's Office of the Pomeranian Voivodeship Department of Environment and Agriculture
2.3b national	3	Ministry of Infrastructure Department of Maritime Economy
		General Directorate for Environmental Protection
		Climate and Environment Ministry
2.3c international	0	
2.4 P.A. management	1	Gdańsk City Hall
2.5 coastal management	2	Maritime Office in Gdynia
		Voivodship Fund for Environmental Protection and Water Management in Gdansk
2.6 tourism office	1	Pomeanian Regional Tourist Organization
<b>3. Public Audience</b>	<b>16</b>	
3.1 religious organizations	0	
3.2 unions	0	
3.3. NGOs	5	Pomeranian Office of the Polish Society for the Protection of Birds
		WWF Polska Foundation
		WWF Polska Blue Patrol
		MARE Foundation
		Baltic Sea Conservation Foundation
3.4 heritage	1	Pomerian Complex of Landscape Parks
3.5 cultural sector	3	Fisheries Museum. Branch of the National Maritime Museum
		Gdynia Aquarium
		National Maritime museum in Gdansk
3.6 clubs and associations	7	Sea Fishermen's Association
		Association of Boat Fishermen "Spirit"
		local Fishing Group Association "Lagoon of the Vistula"
		North Kashubian Local Fishing Group Association
		Local Fishing Group - "Brac Mierzei Fishing Group"
		Fishermen Association
		Association of Polish Coastal Fishermen
<b>4. Academia &amp; Research</b>	<b>15</b>	



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4.1 universities	11	university of Gdanks, faculty of Biology
		University of Gdańsk, Faculty of Biology (Field of study: Protection of natural resources)
		University of Gdańsk, Faculty of Oceanography and Geography (Aquaculture - business and technology; Water management and protection of water resources, Marine Hydrography engineering studies, Marine Biotechnology, Oceanography)
		The Faculty of Civil and Environmental Engineering at the Gdańsk University of Technology (studies: environmental engineering)
		Faculty of Electrical and Control Engineering at Gdańsk University of Technology in Gdańsk (studies: transport and logistics)
		Faculty of Chemistry at Gdańsk University of Technology ( studies: green technologies)
		Gdynia Marine University, Faculty of Electrical Engineering (studies: Renewable Energy Sources and Electromobility)
		Gdynia Marine University, Faculty of Marine Engineering (studies: (Managing the Operation of Wind Farms)
		Gdynia Marine University, Faculty of Navigation (studies: Offshore Technologies, Safety Management in Maritime Transport, Maritime Transport)
		Gdynia Marine University, Faculty of Management and Quality Science ( studies: Water Protection and Waste Management, Transport and Logistics in the Global Economy)
		Polish Naval Academy Department of Navigation and Ship Armament (studies: Marine Hydrography)
		Pomeranian University in Słupsk, Institute of Socio-Economic Geography and Tourism (Maritime Logistics, Transport and Forwarding)
		Pomeranian University in Słupsk, Department of Management (studies: Tourism and Recreation)
4.2 schools (excl. Univ.)		
4.3 research institutes	4	Kuling Waterbird Research Group
		Marine Station of the Institute of Oceanography of the University of Gdansk
		PCEN Pomeranian Center for Teacher Education in Gdansk
		National Marine Fisheries Research Institute



Liverpool Dublin Bay		ADDITIONAL REMARKS As of now, Liverpool Dublin Bay BBT only has a "Wish List". In the next few weeks a selection will be made out of this Wish List
TOTAL NUMBER OF STAKEHOLDERS	152	
NUMBER OF CONSENTED STAKEHOLDERS	0	
-	-	
CATEGORY	NUMBER OF SH	ORGANIZATION
<b><u>1. Industry &amp; Private Sector</u></b>	<b><u>&lt;15</u></b>	
1.1 tourism/recreation		
1.2 heavy industry		
1.3 transport		
1.4 hotel/restaurant		
1.5 fisheries		
1.6 trade		
1.7 other commercial enterprises		
<b><u>2. Public Authorities</u></b>	<b><u>&lt;15</u></b>	
2.1 port authorities		
2.2 advisory bodies		
2.3 policy		
2.3a local		
2.3b national		
2.3c international		
2.4 P.A. management		
2.5 coastal management		
2.6 tourism office		
<b><u>3. Public Audience</u></b>	<b><u>&lt;15</u></b>	
3.1 religious organizations		
3.2 unions		
3.3. NGOs		
3.4 heritage		
3.5 cultural sector		
<b><u>4. Academia &amp; Research</u></b>	<b><u>&lt;15</u></b>	
4.1 universities		
4.2 schools (excl. Univ.)		
4.3 research institutes		



## Appendix 3 – List of Stakeholders who signed in through the online consent form.

Full name :	Name of organisation/company :	BBT Name:
Ann-Helen Saarinen	Biosfärsområdes ambassadör	Baltic Archipelago
Annika Lahtinen	Annika Lahtinen	Baltic Archipelago
Erland Mattsson	Ei	Baltic Archipelago
Pia Prost	Åbo Akademi	Baltic Archipelago
Atte Lindqvist	Keep the Archipelago Tidy Association	Baltic Archipelago
Aistė Jurkienė	EUCC Baltic Office	Baltic Archipelago
Nina Brander	TSYK Upper Secondary Turku	Baltic Archipelago
Sanna Kipinä-Salokannel	Varsinais-Suomen ELY-keskus	Baltic Archipelago
Daniel Sahlgren	Skärgårdscentrum Korpoström / Fastighets AB Sunnan	Baltic Archipelago
Leena Lehtomaa	VARsinais-Suomen ELY-keskus	Baltic Archipelago
Jan Vanaverbeke	Royal Belgian Institute of Natural Sciences	Belgium - Dogger bank
Daniel Wintein	Sportvisserij Vlaanderen - recreational fishing	Belgium - Dogger bank
Jan Reubens	Flanders Marine Institute	Belgium - Dogger bank
Drooghenbroodt Danny	vzw Restart	Belgium - Dogger bank
Timothy Corbisier	Proper Strand Lopers	Belgium - Dogger bank
Ingrid Mostrey	Marien Ecologisch Centrum	Belgium - Dogger bank
Binke D'Haese	VLIZ	Belgium - Dogger bank
Maxime Depoorter	Provincie West-Vlaanderen	Belgium - Dogger bank
Sophie Van Schoubroeck; Tine Compernelle; Wito Van Oijstaeijen	UAntwerpen	Belgium - Dogger bank
Alain Maes	Kustwerkgroep (KWG)	Belgium - Dogger bank
Sarah Vanden Eede	WWF-Belgium	Belgium - Dogger bank
Sven Van Haelst	VLIZ (Flanders Marine Institute)	Belgium - Dogger bank
Lina Dikšaitė	Curonian Spit national park administration	Curonian Lagoon - Lithuanian coast
Nijole Remeikaite-Nikiene	Environmental Protection Agency	Curonian Lagoon - Lithuanian coast

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Vilmantas Graičiūnas	Ministry of Environment of the Republic of Lithuania	Curonian Lagoon - Lithuanian coast
Arvydas Švagždys	Fishery association "Vidmares"	Curonian Lagoon - Lithuanian coast
Nerijus Blažauskas	Coastal Research and Planning Institute	Curonian Lagoon - Lithuanian coast
John Bryce McLaren	Aquaworld Aquarium & Reptile Rescue Centre	Gulf of Heraklion
Foteini Pateraki	HCMR, Cretaquarium	Gulf of Heraklion
Chrysoula Avramaki	Prefecture of Crete	Gulf of Heraklion
Anna Kagiampaki	Region of Crete, Directorate of Environment and Spatial Planning	Gulf of Heraklion
Foteini Pateraki	Cretaquarium HCMR	Gulf of Heraklion
Giorgos Panselinas	Regional Directorate of Primary & Secondary Education of Crete	Gulf of Heraklion
Sotiria Martinou	Coordinator of primary education Regional directorate of Primary and Secondary Education of Crete	Gulf of Heraklion
Costas Dounas	Artificial Reef Innovative Applications (ARIA), Spin-off company of HCMR	Gulf of Heraklion
Ioannis Bras	Five Senses Consulting and Development. Cruise Shipping Experts	Gulf of Heraklion
Ioanna Mari	Water Directorate	Gulf of Heraklion
Kleoni Mezini	Water Directorate	Gulf of Heraklion
Amalia Filippaki	Regional Administration of Education - Crete	Gulf of Heraklion
Despoina Dialyna	Development Planning Heraklion Single Member S.A.	Gulf of Heraklion
Almpantakis Ioannis	Horizon Diving - Almpantakis Ioannis	Gulf of Heraklion
Eirini Maravelia	Archaeologist-Museologist-Tourist Guide	Gulf of Heraklion
Irini Tzoraki	Decentralized Administration of Crete, Environment & Spatial Planning Directorate	Gulf of Heraklion
Stella Dakanali	Decentralized Administration of Crete, Environment & Spatial Planning Directorate	Gulf of Heraklion
Dr. Panagiotis Grigoriou	CretAquarium (HCMR)	Gulf of Heraklion



Nikos Kampanis	Foundation for Research & Technology – Hellas	Gulf of Heraklion
Georgios Alexandrakis	Foundation for Research & Technology – Hellas	Gulf of Heraklion
Zacharenia Drosou	Non Governmental Organization of Women “IRIDA” in the Municipality of Hersonisos	Gulf of Heraklion
Anna Tzagaki	Non-Governmental Organization of Women IRIDA	Gulf of Heraklion
Iasmi Stathi	Natural History Museum of Crete-University of Crete	Gulf of Heraklion
Petros	Natural History Museum of Crete	Gulf of Heraklion
Chatzigeorgiou Akrivi	<a href="http://WeGuide.gr">WeGuide.gr</a>	Gulf of Heraklion
Mpigiakis Stavros	Region of Crete / Regional Unit of Heraklion / Fisheries Department	Gulf of Heraklion
Theotokis Theodoulou	Ephorate of Underwater Antiquities	Gulf of Heraklion
Georgios Tsimpoukis	Ephorate of Underwater Antiquities	Gulf of Heraklion
Emmanuel Patelis	Diving instructor	Gulf of Heraklion
Katerina Athanasaki	Archaeological Museum of Heraklion	Gulf of Heraklion
Eirini Galli	Archaeological Museum of Heraklion	Gulf of Heraklion
Aliki Karousou	Region of Crete	Gulf of Heraklion
Stavros Xirouchakis	University of Crete School of Sciences & Engineering Natural History Museum	Gulf of Heraklion
Aliki Karousou	Region of Crete	Gulf of Heraklion
José Martínez García	Pescaturismo	Islas Baleares
Isidoro Vicente Martín	Baleària	Islas Baleares
Miguel Angel Civera Melendez	Fundació Baleària	Islas Baleares
Antoni Font Gelabert	Fundacion Marilles	Islas Baleares
Roberto Brundu	Marine Protected Area "Pensinsula Sinis - Mal di Ventre island"	Sardinia
Massimo S.G. Marras	Area Marina Protetta "Penisola del Sinis - Isola di Mal di Ventre"	Sardinia
Francesca Carboni	IIS 'De Castro'	Sardinia





Francesca Carboni	IIS 'De Castro'	Sardinia
Gabriele Espis	AFNI Associazione Fotografi Naturalisti Italiani	Sardinia
Gabriele Pinna	Delegazione provinciale LIPU Oristano	Sardinia
Maria cristina Atzori	Veliamoci a.s.d.	Sardinia
Bruna Bianchina	Volunteer	Sardinia
Daniela Coa	Penisola del Sinis Società Cooperativa	Sardinia
Giorgia Margaritella	Domo La Laguna	Sardinia
Alessandro Murana	Associazione Gal Sinis	Sardinia
Mauro Steri	Legacoop Sardegna	Sardinia
Luca Garau	Sergio Pesca Oristano	Sardinia
Melidoro Giuseppe	Pescaturismo Faber	Sardinia
Walter Piras	ALEA Società Cooperativa	Sardinia
Piero Ibba	Capitaneria di porto di Oristano	Sardinia
Maria Tiziana Pinna	Corpo Forestale V.A.	Sardinia
Riccardo la Porta	A.s.d. Sea Scout	Sardinia
Raimondo Pili	Korakodes Diving	Sardinia



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## Appendix 4 – Tentative travel calendar with planned visits to the different BBTs

<b>BBT</b>	<b>START DATE</b>	<b>END DATE</b>
Sardinia	27 February	5 March
Gulf of Biscay	13 March	19 March
Heraklion	3 April	9 April
Balearic	17 April	23 April
Belgium Doggerbank	15 Mei	17 Mei
Finnish archipelago	22 Mei	28 Mei
Curonian Lagoon	29 Mei	4 June
Svalbard/Porsangerfjord	12 June	24 June
Dublin Liverpool Bay	To be determined	To be determined
Gulf of Gdansk	To be determined	To be determined



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## Appendix 5 – List of WP1 events, meetings, and workshops

DATE	EVENT DESCRIPTION	PLACE	PRESENTER	PARTICIPANTS	TOPICS / PRESENTATION TITLE
3 / 6-10- 2022	Kick-Off Meeting	Sopot	IOPAN; Several presentations by WP-leads	All project partners	Five presentations were given by HuFoSS on the activities and processes of WP1
18-10-2022	Online brainstorm session	Online Zoom meeting; Roosendaal	Rob Segeren, Josephine Koopman	Johanna Forster (UEA), Rob Segeren (HuFoSS), Josephine Koopman (HuFoSS)	Stakeholder surveys (approach, survey content, alignments with other WPs)
25-10-2022	Online brainstorm session	Online Zoom meeting; Roosendaal	Rob Segeren, Josephine Koopman	Joanna Piwowarczyk (IOPAN), Rob Segeren (HuFoSS), Josephine Koopman (HuFoSS)	Surveys and interviews refinement
3-11-2022	Online Meeting	Online Zoom meeting; Roosendaal	Herman Hummel	Charlotte (APN), Herman Hummel, Britt Thijssen, Rob Segeren, Bram Sturm, Josephine Koopman	Division of tasks within WP2. Specifically, how to integrate activities within task 1.2a (lead: APN) and task 1.1 (Lead HuFoSS)
7-11-2021	Ocean Literacy meeting	Online Zoom meeting		Herman Hummel, Josephine Koopman	Ocean Literacy
29-11-2022	Online Meeting Balearic BBT	Online Zoom meeting; Roosendaal	Herman Hummel	Silvia de Juan Mohan, Herman Hummel, Britt Thijssen	Stakeholder Engagement and language issues in Balearic BBT
12-12-2022	Online brainstorm session	Online Zoom meeting; Roosendaal	Rob Segeren, Josephine Koopman	Joanna Piwowarczyk (IOPan Poland), Rob Segeren (HuFoSS), Josephine Koopman (HuFoSS)	WP1 surveys and interviews
13-12-2022	WP1 WP4 Workshops	Amstelveen	Herman Hummel	Mike Elliot, Herman Hummel, Rob Segeren	Streamlining WP Tasks, discussing methodology, Arctic Partners
16-12-2022	WP5 Meeting – Integration and Scenarios	Online Zoom meeting; Roosendaal	LW: Christos Arvanitidis; Cristina Huertas	WP5 members, Josephine Koopman, Rob Segeren	Overview of WP5 content
6-1-2023	WP6 – WP1 Meeting -	Online Zoom meeting; Roosendaal	Josephine Koopman, Britt Thijssen	Josephine Koopman, Britt Thijssen, Sabine Cochrane (APN)	Questions about stakeholder participation and surveys and interview in the Arctic BBT
10-01-2023	Online brainstorm session	Online Zoom meeting; Roosendaal	Rob Segeren, Josephine Koopman	Johanna Forster (UEA), Rob Segeren (HuFoSS), Josephine Koopman (HuFoSS)	Stakeholder surveys (approach, survey content, alignments with WP4, specifically task 4.2)
31-01-2023	WP 5 Meeting	Online zoom-meeting; Sevilla	LW:Christos Arvanitidis, Christina Huertas	WP5 members, Herman Hummel, Rob Segeren	In depth dialogue on the scenarios
01-02-2023	Online brainstorm session	Online Zoom meeting; Roosendaal	Britt Thijssen, Bram Sturm	Britt Thijssen, Josephine Koopman, Isabelle Rombouts	Discussion on stakeholder participation and methods



					in the Belgium Doggerbank BBT
02-02-2023	Online brainstorm session	Online Zoom meeting; Roosendaal	Rob Segeren, Britt Thijssen	Josephine Koopman, Britt Thijssen, Sabine Cochrane (APN)	Discussion on progress of task 2.1 (rules and regulations)
03-02-2023	MARBEFES WP1 / Marine SABRES WP2 - workshop update stakeholder involvement	Online Zoom meeting; Roosendaal	Herman Hummel, Britt Thijssen, Rob Segeren		Presentation on stakeholder involvement progress, travel agenda, and general discussion with CPs and WP leads



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## Appendix 6 – Survey list of variables

## 1. Structures and Functions of coastal ecosystems

What is the importance of the following variables in your coastal area?

			<b>Rate the importance, from 0 to 5</b> 0 = not present, I don't know, no opinion 1 = absolutely not important 2 = not important 3 = somewhat important 4 = important 5 = very important					
	Variables	Specification / including	0	1	2	3	4	5
1	Biodiversity	diversity of plants, animals, fungi						
2	Element/nutrient cycle	carbon, nitrogen, oxygen, water purification						
3	Food chain energy transfer	energy pyramid, food web, primary and secondary production						
4	Habitats	breeding / feeding grounds / finding shelter / growing area						
5	Hydrodynamics	natural water flow , tidal flow, waves, currents						
6	Population dynamics	gene pool, species distribution, predation, reproduction						
7	Sediment characteristics	soil composition, rocks						
8	Water surface characteristics	temperature, salinity, turbidity						
9	Resilience	potential of the ecosystem to recover from change and stress						
10	Weather	temperature, sunshine, rain, evaporation						
11	Land- and sea-scape	Overall layout of the surroundings, seaview, countryside.						



## 2. Ecosystem Services

What is the importance of the following variables in your coastal area?

	Variables	Specification / including	Rate the importance, from 0 to 5					
			0	1	2	3	4	5
			0 = not present, I don't know, no opinion 1 = absolutely not important 2 = not important 3 = somewhat important 4 = important 5 = very important					
1	Biodiversity conservation	Natural conservation of species, habitats and genetic resources						
2	Charismatic landscape	iconic scenery						
3	Charismatic species	iconic plants, animals						
4	Climate regulation	natural carbon storage, water retention						
5	Education and research	opportunities for education and research						
6	Energy production	water, wind, solar, geothermal						
7	Flood and coastal protection	deltas, marshes, dunes, vegetation						
8	Elements for aquaculture	available nutrients and fodder for seafarming						
9	Food provision for humans	opportunities for fishing, , algae extraction						
10	Leisure activities	opportunities for recreation, water sports, hunting ,						
11	Pollination, dispersal of reproductive cells	seed dispersal, larval transport						
12	Water regulation	fresh water, water storage, supply of drinking water						
13	Raw material	opportunities to extract sand, gravel, shell, salt						
14	Provision of drugs and chemicals	pharmaceuticals, medicine						
15	Disease and pest control	controlling outbreaks, prevention of jellyfish blooms						
16	Spiritual significance	religious and non-religious value						
17	Aesthetic significance	appreciation of natural surroundings, beauty of environment						
18	Natural infrastructure	water routes, natural shipping lanes, transport facilitation						



19	Waste and toxicant mediation	wastewater treatment, preventing of nutrient enrichment, denitrification						
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### 3. Socio-economic variables

How strong is the relationship between the following variables and your coastal area?

			<b>Rate strength of the relationship, from 0 to 5</b> 0 = none, I don't know, no opinion 1 = very weak 2 = weak 3 = moderate 4 = strong 5 = very strong					
	Variables	Specification / including	0	1	2	3	4	5
1	Income	wage, payment, salary						
2	Traditional livelihood	subsistence fishing, food-and resource collecting, handi-crafts						
3	Economic welfare	prosperity of area, wealth						
4	Sustainability of economic prospects	future job security						
5	Equal access to services, goods and benefits	fair distribution of resources and opportunities						
6	Immigration	attracting permanent residents						
7	Emigration	departure of permanent residents						
8	Tourism	local, domestic and international tourism and recreation						
9	Trade	industry and commerce, processing factories						
10	Transport and infrastructure	port, ship traffic, ferries						
11	Extraction of raw materials	sand, gravel, shell, amber, salt, gas, oil						
12	Large-scale fisheries	pelagic and benthic fishing, trawling						
13	Small scale fishing	local artisanal fishing						
14	Aqua-culture	clams, mussels, farmed fish, algae, seaweeds						
15	Infrastructural buildings	dams, dikes, bridges, roads						



4. **Socio-cultural** variables

How strong is the relationship between the following variables and your coastal area?

		<b>Rate the strength of the relationship, from 0 to 5</b> 0 = none, no opinion, or I don't know 1 = very weak 2 = weak 3 = moderate 4 = strong 5 = very strong						
	<b>Variables</b>	<b>Specification / including</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Sense of community	social cohesion, positive interpersonal relationships						
2	Traditions	traditional way of life, rituals or celebrations, folklore, dress, local language/dialect						
3	Sense of place	attachment to local coastal environment, or to a specific coastal landmark/site						
4	Cultural sites and monuments	historically significant architecture, lighthouses, shipwrecks						
5	Sport	beach- and watersports						
6	Relaxation	unwinding, rest, recovering						
7	Amusement	fun, pastime						
8	Awe	admiration, wonder, respect						
9	Health	mental and physical well-being						
10	Reflection	contemplation, inspiration						

5a. **Governance**

To what extent are the following variables present in the governance of your coastal area?

		<b>Rate the level, from 0 to 5</b> 0 = not present, I don't know, no opinion, 1 = very weak 2 = weak 3 = moderate 4 = strong 5 = very strong						
	<b>Variables</b>	<b>Specification / including</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>
1	Inclusiveness	opportunities to participate in decision-making						
2	Transparency	visibility and verifiability of decision-making, provision of information						
3	Corruption	abuse of power, fraudulence						



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4	Fairness	equal treatment, consistency of decision-making						
5	Advocacy	cooperation of government and sector						
6	Innovation	pilots, trials, new ideas						
7	Accountability	government officials are answerable, can be challenged						
8	Governmental resilience	ability/flexibility of government to respond to emergency or future changes						

## 5b. Governance - Rules and Regulations

To what extent do the following variables play a role in the governance of your coastal area?

			Rate the level, from 0 to 5 0 = not present, I don't know, no opinion 1 = very small extent 2 = small extent 3 = to some extent 4 = large extent 5 = very large extent					
	Variables	Specification / including	0	1	2	3	4	5
1	Local laws and regulation	rules and directives, emission quota at local level (city, district)						
2	National laws and regulations	rules and directives, emission quota at national level						
3	International laws and regulations	rules and directives at european and global level (EU, UNESCO, MSFD, GES),						
4	Local licenses and permits	requirements and permissions for activities and ventures from local authorities						
5	National licenses and permits	requirements and permissions for activities and ventures from national authorities						
6	Rules and regulations around Marine Protected Areas (MPA)	designated protected areas of the ocean, Natura 2000						
7	Climate goals	Paris Agreement, Kyoto Protocol, reduction of emissions e.g. greenhouse gasses						



## 6. Pressures

To what extent are the following variables pressures in your coastal community and marine ecosystem?

			Rate the level, from 0 to 5 0 = not present, I don't know, no opinion 1 = very small extent 2 = small extent 3 = to some extent 4 = large extent 5 = very large extent					
	Variables	Specification / including	0	1	2	3	4	5
1	Outbreaks of pest and diseases	avian flu, fish cancer, toxic algae blooms						
2	Extreme weather	flooding, storm surges, mudslides, local extreme rainfall/droughts, wildfires						
3	Eutrophication	enrichment in nutrients of the soil or waterbody						
4	Change in species	plants and animals, appearing and disappearing, invasive species						
5	Climate / global change	temperature rise, rising sea-levels, acidification, deoxygenation						
6	Illegal human activities	poaching, illegal dumping, illegal constructions						
7	Mismanagement	lack of responsiveness, enforcement, lack of acknowledgement						
8	Change in land use	expanding the area for aquaculture or ports						
9	High population density	overcrowding, overuse						
10	Civil engineering	impacts caused by bridges, windmills, dikes, dams						
11	Public opinion	activism, media						
12	Pollution	wastewater, aerial depositions, toxins, chemicals, hormones						
13	Local human disturbances	littering, light, vibrations, noise						
14	Large-scale disturbances	drilling, dredging, light, noise by maritime shipping						
15	Neglect of maintenance	lack of conservation and restoration efforts						
16	Part-time residency	seasonal tourism, peak loads, competition on housing market						
17	Tourism	recreation, visitors, travellers						
18	Sea mining	extraction of sand, gravel, gas, oil						



19	Overfishing and overexploitation	unsustainable fishing, depletion of fish-, sea-mammals-, aquatic plants-, -mussels stocks						
20	Urbanisation	urban expansion of housing and infrastructure						
21	Habitat loss	habitat fragmentation, loss of connectivity, reduction of salt-marshes						
23	Hydrological changes	Dredging, deepening shipping lanes, hydraulic modification, increased turbidity						
24	Horizon disturbance	visual ruining, skyline destruction, windmills and highrise buildings						



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## Appendix 7 – The Third List (DRAFT)

### WP3

- Which tools do you currently use to understand or manage the environmental resources (eg biodiversity, ecosystem function, ecosystem services) you are responsible for?
- What kind of tools would be most useful to you in managing your resources, or are there key gaps where a new tool is necessary?

### WP 4

- Which are the most relevant threats/problems for marine biodiversity in this area?
- Would you change the (environmental) management of this area? If so, how and why? (Potential follow up question: why do you think the management you suggest has not been implemented yet?)
- Are there any most relevant trade-offs/divergent opinions in between interest groups (e.g. stakeholders, users, the public etc.) about the management of the area?
- Is any (marine) ecosystem/natural capital accounting developed/implemented/compiled at the national or the local scale in this country? If so, who is the leading institution(s)?

### For information: WP5 of the Marine SABRES project

- What are the main regulations (global, EU, regional, national, local) that you are faced with that influence your work (decision making, planning, target setting, stakeholder engagement, etc.)?
- What laws are you aware of within your sector/daily activities?
- What, if any, other guidance exists in the Demonstration Area that influences your work (e.g. guidelines, strategies)?
- What are the primary governing bodies (institutions, agencies, etc.) and other actors (research community, civil society) that are important to or that you have contact with in your work? What are the primary roles, functions, and activities of these bodies? How do they interrelate to you/your sector/your institution?

