

# MEETING DOCUMENT

## Wadden Sea Board (WSB 41)

15 – 16 May 2023  
Esbjerg, Denmark



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Agenda Item:	5.1 World Heritage
Subject:	Progress Report TG World Heritage
Document No.:	WSB 41/5.1/1
Date:	21 April 2023
Submitted by:	TG-WH

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Attached is an overview of the progress of the Task Group World Heritage since last WSB and other World Heritage activities and projects carried out in the framework of the TWSC work plan.

The main focus of TG-WH was the preparation of the SIMP implementation strategy (see separate document WSB 41/5.1/3), reporting to the World Heritage Centre according to the Operational Guidelines §§ 172 and 174, and the 3<sup>rd</sup> cycle of Periodic Reporting.

Since WSB 40, TG-WH had two online meetings on 23 February and 23 March 2023. The next regular meeting is scheduled on 7-8 June 2023.

Proposal: The meeting is referred to the proposals in the document.

## Progress Report Talk Group Wadden Sea World Heritage

### **1. State of Conservation reporting to UNESCO World Heritage Centre**

TG-WH has the task to coordinate the reporting of the States Parties to the UNESCO World Heritage Centre in order to underline that the Wadden Sea World Heritage is managed as one property.

According to the Operational Guidelines (OG) of the World Heritage Convention, these reports can be distinguished into state party information (OG § 172) and reports upon request by the World Heritage Centre, which has received third party information on specific issues and requests information/clarification from States Parties (OG § 174).

An overview on state party information and of responses on requests from the World Heritage Centre until April 2023 is provided in Annex 1.

TG-WH also discussed how to provide guidance for a common understanding of all three States Parties regarding the reporting according to OG 172 (state party information). This mainly concerns the selection of projects or project types that have a potential impact on the OUV and therefore need to be reported to the World Heritage Centre. The aim is to develop a trilateral guidance which supports the States Parties regarding OG 172 reporting but does not preclude any additional reporting if a State Party deems it necessary.

PROPOSAL:

- To note

### **2. Wadden Sea State of Conservation Report – Requests from the UNESCO WH Centre and 45th Session of the World Heritage Committee**

With letter of 19 December 2022, the World Heritage Center asked for further information in preparing a State of Conservation Report (SoC) concerning the Wadden Sea to be submitted to the 45<sup>th</sup> session of the World Heritage Committee.

The SoC report for consideration by the WH Committee (including a draft decision on the State of Conservation) will only be published six weeks before the start of the 45<sup>th</sup> session World Heritage Committee meeting which will take place in Riyadh (Saudi Arabia) on 10 -25 September 2023. Therefore, a TG-WH meeting will be scheduled in beginning of August for a coordinated response.

TG-WH also suggested to submit the SIMP to the World Heritage Centre in due time so it can be considered in preparing the State of Conservation Report for the upcoming World Heritage Committee meeting.

TG-WH has already discussed scenarios regarding a potential WHC draft decision paper on the State of Conservation and proposed some ways to strategically work with these to WSB 38 (October 2022) (see document WSB 38/5.1/1) which was approved by WSB.

Options for a draft decision are (in the order of "strictness"):

- a) Proposal to list the Wadden Sea on the WH List of danger (unlikely, but still on option).
- b) Decision to list the Wadden Sea on the WH List of danger in case that specific requests of the Committee are not implemented.
- c) not a) and b) but the request to prohibit any mineral extraction,
- d) any other requests (as we have already received, such as alien species, flyways, tourism, the SIMP); might be combined with a-c.

In addition, the State of Conservation might be proposed for discussion by the World Heritage Committee or for adoption without discussion.

Way to deal with this:

1. Analyse the draft decision after it has been published.
2. Check if the draft decision and the information in the document are factually correct.
3. Discuss in TG-WH if and how we might need to "lobby" for changes. In case the SOC report **is proposed for "adoption without" discussion this means that a WH Committee member will have to ask for the opening of this SOC and would need a very consistent argumentation.**
4. Start right now to organise the "lobby" work in a strategic way via their Permanent Representations in Paris asap while ensuring that states act jointly and in a coordinated manner.

PROPOSAL:

1. Support the proposal on how to deal with the outstanding SoC and instruct CWSS to make a first factual check of the draft decision paper as soon it is publicly available which is at least by 31 July 2022.
2. Instruct TG-WH to assess the draft decision paper until mid of August to prepare guidance how to jointly react on the SoC and draft decision.

### **3. Third Cycle of Periodic Reporting**

The 3rd cycle of the Periodic Reporting started for Europe and North America (2018 – 2024). For the Wadden Sea, the online questionnaire was opened in September 2022. It is the second time (after 2014) to submit such a report for the Wadden Sea.

Periodic Reporting is a self-reporting process to give information on the legislative and administrative provisions which states parties have adopted and other action which have been taken for the application of World Heritage Convention with the aim of providing overall assessment for all sites.

Periodic reporting is a statutory of the convention independent from the State of Conservation Report (reactive monitoring). Therefore, there is no procedure for site specific individual following-up the answers provided in the periodic report. The WH Centre will provide an overall analysis for the whole Region (Europe/North America).

CWSS has been designated by the States Parties as the World Heritage site manager responsible to fill in the questionnaire section II for the World Heritage property in the framework of the Third

Cycle of the Periodic Reporting. Germany will act as National Focal Point to submit the Periodic Reporting on behalf of the three States Parties, Denmark, Germany and the Netherlands.

The online questionnaire has been completed by TG-WH (see Annex 2) on the basis of the available information and considering the 2<sup>nd</sup> cycle periodic reporting (2014) as well as the nomination dossiers submitted to the World Heritage Centre and forwarded to the German National Focal Point.

The online report will be submitted electronically by German National Focal in the coming weeks.

PROPOSAL:

- To note

## ANNEX 1

## Report to the World Heritage Centre 2012 - 2023

CWSS, 21 April 2023

Table 1: Reports to the WH Centre on projects (OG § 172, state party information)  
(version 12.04.2023)

No	Report to WHC	Topic	Status	TG-WH involvement
1	26.05.2020	New Pier at port of Rømø, DK	Response by WHC with IUCN evaluation, 8.10.2020	Informed
2	18.06.2020	New World Heritage visitor centre, Lauwersoog, NL	Request by WHC for additional information 14.06.2020, Letter to WHC on 22.07.2020	Informed
3	13.10.2020	District Heating Plants, Esbjerg, DK	Response by WHC on 19.10.2020, IUCN evaluation pending	Informed
4	10.11.2020	Tjæreborg Wind Farm Project, DK	Response by WHC on 16.12.2020 with evaluation by IUCN	Informed
	02.03.2022	Power-to-X (PtX) facility in Esbjerg,	Response by WHC on 10.03.2022.	Informed
	14.09.2022	Deepening of the Grådyb fairway at Esbjerg Harbour	The issue concerning deepening the fairway to Esbjerg has been notified formally. Letter to WHC on 14.09.2022.  The project has also gone into formal ESPOO Art. 3. Project notification to NL and D according Espoo Convention.	Informed

Table 2: Requests from the WH Centre concerning State of Conservation (OG § 174, third party information) 2018 – 2023 (version 21.04.2023)

No-	Date WHC request	Topic	Status	TG-WH involvement
1	06.11.2017	Grounding MV <b>Glory Amsterdam</b>	Reply by Germany on 26.02.2018	Involved
2	03.04.2018	Esbjerg Harbour extension plans, DK (third party information and state party reporting)	Additional information provided 8.5.2019, 18.11.2019 (revised plans), IUCN evaluation done 8.10.2020	Informed
3	30.05.2018	Houting population decline, DK.	Reply on 23.10.2018	Informed
4	11.01.2019	MSC Zoe container spill, NL	Final draft on 28.03.2019, submitted by NL, including information from Germany (container spill and Glory Amsterdam incident).	Provided input in drafting
5	05.06.2019	Elbe deepening, D	Reply in preparation by Germany	Informed
6	20.6.2019	Fossil Fuel Mining, NL	Final draft on 16.08.2019 submitted by NL to TG-WH for comments	Provided input in drafting
7	25.02.2020	Salt Mining, NL	Reply on 2.12.2020, IUCN evaluation ongoing. Request for information on Agenda 2050 (7.12.2020)	Informed
8	25.06.2020 25.3.2021	Wind farm project, Schleswig Holstein	Draft letter prepared by Schleswig-Holstein.	Informed

			Reply to WHC by D 19.07.2022.	
9	07.05.2021 and 30.11.2021, 30.03.2022, 06.07.2022	Gas mining, climate change, offshore grid connection, NL	Replies on 20.01.2022 and 18.05.2022 (two letters: gas mining and grid connection). On 21.07.2022, NL sent translated EIA and additional information.	Informed
10	06.07.2022	Gas mining D/NL and oil drilling D	Joint NL and D response letter in preparation.  Response on NL/D gas mining, 7.2.2023	Involved
11	19.12.2022	Floating LNG terminals Wilhelmshaven	Request by WHC on 19.12.2022.  Reply by D, 23.03.2023	Involved

According to the trilaterally agreed procedure, TG-WH was informed respectively involved in preparing a reply to a World Heritage Centre request on the State of Conservation of the property.

**ANNEX 2**

**3<sup>rd</sup> cycle Periodic Reporting “The Wadden Sea”**

**Online questionnaire (version 14.04.2023)**



### 1. World Heritage Property Data

#### 1.1 - Name of World Heritage property




Wadden Sea

#### 1.2 - World Heritage property details

#### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Key Planning Decision (PKB) Wadden Sea, part I	53.391 / 5.666	247386	0	247386	2009
Key Planning Decision (PKB) Wadden Sea, part II – Netherlands	53.367 / 6.896	790	0	790	2009
Key Planning Decision (PKB) Wadden Sea, part III	53.275 / 7.164	8931	0	8931	2009
National Park Wadden Sea Niedersachsen, part II	53.696 / 7.333	199026	0	199026	2014
National Park Wadden Sea Niedersachsen, part III	53.628 / 8.264	49134	0	49134	2009
National Park Wadden Sea Niedersachsen, part IV	53.884 / 8.368	80663	0	80663	2014
National Park Wadden Sea Schleswig-Holstein / Danish Wadden Sea Nature and Wildlife Reserve, part I	54.609 / 8.466	537536	0	537536	2014
Danish Wadden Sea Nature and Wildlife Reserve, part II	55.499 / 8.187	19937	0	19937	2014
<b>Total (ha)</b>		<b>1143403</b>	<b>0</b>	<b>1143403</b>	

#### 1.4 - Map(s)

Title	Date	Link to source
Wadden Sea - inscribed property	2009	
The Wadden Sea - inscribed minor boundary modification	2011	
Wadden Sea - map of inscribed extension	2014	

#### 1.5 - Web and Social Media data of the property (if applicable)

- [The Wadden Sea](https://www.waddensea-worldheritage.org/)

#### Comment

<https://www.waddensea-worldheritage.org/>  
<https://www.waddensea-worldheritage.org/wadden-sea-newsletter> <https://www.linkedin.com/company/1462058/>  
<https://www.instagram.com/waddenseaworldheritage/>  
<https://www.facebook.com/WaddenSea.WorldHeritage>  
<https://twitter.com/WaddenseaUNESCO>  
<https://www.youtube.com/channel/UCYRzxEiSHoolO34pDaiObsw>

### 2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

2.1 - Records indicate that your World Heritage property (in whole or in part) is designated and/or protected under the Conventions/programmes shown in the prefilled table below. Please check and amend as necessary.

		The World Heritage property (in whole or in part) <b>is</b> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <b>is not</b> designated and/or protected under this convention/programme
2.1.1	<b>International Register of Cultural Property under Special Protection</b> (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✘
2.1.2	<b>List of Cultural Property under Enhanced Protection</b> (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✘
2.1.3	<b>The List of Wetlands of International Importance (The Ramsar List)</b> (Convention on Wetlands of International Importance (Ramsar Convention))	✘	
2.1.4	<b>World Network of Biosphere Reserves</b> Man and the Biosphere (MAB) Programme	✘	
2.1.5	<b>Global Geoparks Network</b> UNESCO Global Geoparks		✘

#### 2.2 - Please provide comments on 2.1 if necessary

In the German Wadden Sea, there are three Biosphere Reserves: Biosphere Reserve Schleswig-Holsteinisches Wattenmeer und Halligen, Biosphere Reserve Hamburgisches Wattenmeer, and Biosphere Reserve Niedersächsisches Wattenmeer. The "Wadden Sea Transboundary Ramsar Site" was declared in 2015 and it includes 13 Ramsar Sites in Denmark, Germany and the Netherlands.

#### 2.3 - Do your national authorities intend to request the granting of Enhanced Protection (if relevant) under the Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in

**the Event of Armed Conflict for the World Heritage property in the next three years?**

Not applicable

**2.4 - Do your national authorities intend to designate whole or part of the World Heritage property for inclusion in the List of Wetlands of International Importance (The Ramsar List), if relevant, in the next three years?**

Not applicable

**2.5 - Do your national authorities intend to designate whole or part of the World Heritage property as a Man and Biosphere Reserve (if relevant) in the next three years?**

No

**2.6 - Do your national authorities intend to apply for whole or part of World Heritage property to be designated as a UNESCO Global Geopark (if relevant) in the next three years?**

No

**2.7 - Please indicate the level of cooperation at property level between designations under different Conventions/Programmes**

<b>2.7.1</b>	<b>1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.2</b>	<b>Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	✘
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.3</b>	<b>Convention on Wetlands of International Importance (Ramsar Convention)</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	✘
<b>2.7.4</b>	<b>Man and the Biosphere (MAB) Programme</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	

2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	✘
<b>2.7.5</b>	<b>UNESCO Global Geoparks</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	✘
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	

**2.8 - Please add any further comments on cooperation with the other designation(s)/programme(s)**

The Wadden Sea countries are contractual parties to Ramsar, CMS, AEW, ASCOBANS, Bern Convention, OSPAR Convention, UNESCO Man and Biosphere Specific Agreements: CMS-Seal Agreement Wadden Sea, IMO- Particularly Sensitive Sea Area (PSSA) Wadden Sea The Wadden Sea Flyway Initiative cooperates with AEW and AMBI and other networks and countries along the East Atlantic Flyway ( <https://flyway.waddensea-worldheritage.org/>)

**2.9 - Are you aware of any elements associated with the World Heritage property that have been inscribed on the Representative List of the Intangible Cultural Heritage?**

Not aware

**2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware**

**2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?**

Not aware

**2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World Programme of which you are aware.**

Not relevant.

**3. Statement of Outstanding Universal Value**

**3.1 - Statement of Outstanding Universal Value for the property as adopted by the World Heritage Committee**

**Statement of Outstanding Universal Value**

**Brief synthesis**

The Wadden Sea is the largest unbroken system of intertidal sand and mud flats in the world, with natural processes undisturbed throughout most of the area. The 1,143,403 ha World Heritage property encompasses a multitude of transitional zones between land, the sea and freshwater environment, and is rich in species specially adapted to the demanding environmental conditions. It is considered one of the most important areas for migratory birds in the world, and

is connected to a network of other key sites for migratory birds. Its importance is not only in the context of the East Atlantic Flyway but also in the critical role it plays in the conservation of African-Eurasian migratory waterbirds. In the Wadden Sea up to 6.1 million birds can be present at the same time, and an average of 10-12 million pass through it each year.

**Criterion (viii):** The Wadden Sea is a depositional coastline of unparalleled scale and diversity. It is distinctive in being almost entirely a tidal flat and barrier system with only minor river influences, and an outstanding example of the large-scale development of an intricate and complex temperate-climate sandy barrier coast under conditions of rising sea-level. Highly dynamic natural processes are uninterrupted across the vast majority of the property, creating a variety of different barrier islands, channels, flats, gullies, saltmarshes and other coastal and sedimentary features.

**Criterion (ix):** The Wadden Sea includes some of the last remaining natural large-scale intertidal ecosystems where natural processes continue to function largely undisturbed. Its geological and geomorphologic features are closely entwined with biophysical processes and provide an invaluable record of the ongoing dynamic adaptation of coastal environments to global change. There are a multitude of transitional zones between land, sea and freshwater that are the basis for the species richness of the property. The productivity of biomass in the Wadden Sea is one of the highest in the world, most significantly demonstrated in the numbers of fish, shellfish and birds supported by the property. The property is a key site for migratory birds and its ecosystems sustain wildlife populations well beyond its borders.

**Criterion (x):** Coastal wetlands are not always the richest sites in relation to faunal diversity; however this is not the case for the Wadden Sea. The salt marshes host around 2,300 species of flora and fauna, and the marine and brackish areas a further 2,700 species, and 30 species of breeding birds. The clearest indicator of the importance of the property is the support it provides to migratory birds as a staging, moulting and wintering area. Up to 6.1 million birds can be present at the same time, and an average of 10-12 million each year pass through the property. The availability of food and a low level of disturbance are essential factors that contribute to the key role of the property in supporting the survival of migratory species. The property is the essential stopover that enables the functioning of the East Atlantic and African-Eurasian migratory flyways. Biodiversity on a worldwide scale is reliant on the Wadden Sea.

**Integrity**

The boundaries of the extended property include all of the habitat types, features and processes that exemplify a natural and dynamic Wadden Sea, extending from the Netherlands to Germany to Denmark. This area includes all of the Wadden Sea ecosystems, and is of sufficient size to maintain critical ecological processes and to protect key features and values. The property is subject to a comprehensive protection, management and monitoring regime which is supported by adequate human and financial resources. Human use and influences are well regulated with clear and agreed targets. Activities that are incompatible with its conservation have either been banned, or are heavily regulated and monitored to ensure they do not impact adversely on the property. As the property is surrounded by a significant population and contains human uses, the continued priority for the protection and conservation of the Wadden Sea is an important feature of the planning and regulation of use, including within land/water-use plans, the provision and regulation of coastal defences, maritime traffic and drainage. Key threats requiring ongoing attention include fisheries activities, developing and maintaining harbours, industrial facilities surrounding the

property including oil and gas rigs and wind farms, maritime traffic, residential and tourism development and impacts from climate change.

**Protection and management requirements**

Maintaining the hydrological and ecological processes of the contiguous tidal flat system of the Wadden Sea is an overarching requirement for the protection and integrity of this property. Therefore conservation of marine, coastal and freshwater ecosystems through the effective management of protected areas, including marine no-take zones, is essential. The effective management of the property also needs to ensure an ecosystem approach that integrates the management of the existing protected areas with other key activities occurring in the property, including fisheries, shipping and tourism.

The Trilateral Wadden Sea Cooperation provides the overall framework and structure for integrated conservation and management of the property as a whole and coordination between all three States Parties. Comprehensive protection measures are in place within each State. Specific expectations for the long-term conservation and management of this property include maintaining and enhancing the level of financial and human resources required for the effective management of the property. Research, monitoring and assessment of the protected areas that make up the property also require adequate resources to be provided. Maintenance of consultation and participatory approaches in planning and management of the property is needed to reinforce the support and commitment from local communities and NGOs to the conservation and management of the property. The State Parties should also maintain their commitment of not allowing oil and gas exploration and exploitation within the boundaries of the property. Any development projects, such as planned wind farms in the North Sea, should be subject of rigorous Environmental Impacts Assessments to avoid any impacts to the values and integrity of the property.

**3.2 - Please list the key attributes of Outstanding Universal Value of your property and give an assessment of their condition. As a guideline, it is suggested to focus on approximately five key attributes (no more than 15 overall).**

	Brief identification of attribute	Preserved	Compromised	Seriously compromised	Lost
3.2.1	Unbroken tidal flat and barrier island system	✗			
3.2.2	Typical geomorphological diversity	✗			
3.2.3	Ongoing natural geomorphological processes	✗			
3.2.4	Intact natural intertidal ecosystems	✗			
3.2.5	Linked geomorphological, biophysical and biological processes	✗			
3.2.6	High biomass production typical for the Wadden Sea	✗			
3.2.7	Key site for sustaining wildlife beyond its borders	✗			
3.2.8	High typical species biodiversity	✗			

3.2.9	Staging, moulting and wintering area for migratory birds	x			
3.2.10	Essential stopover for the East Atlantic Flyway	x			
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

**3.3 - Comments, conclusions and/or recommendations related to Statement of Outstanding Universal Value**

**4. Factors Affecting the Property**

**4.1. Buildings and Development**

**4.1.1 - Housing**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	x Not relevant
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**4.1.2 - Commercial development**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	x Not relevant
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**4.1.3 - Industrial areas**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	x Not relevant
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**4.1.4 - Major visitor accommodation and associated infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact							
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
	x			x		→	

**4.1.5 - Interpretative and visitation facilities**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Positive, Current, Inside, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact							
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
	x		x	x		→	

**4.1.6 - Please comment as necessary on how the factors selected as relevant in 4.1 are affecting the property either negatively or positively**

Trend on visitor accommodation infrastructure may differ at the local level due to different developments. Accommodation infrastructure has an indirect impact due to Increase visitor pressure, and resource use.

**4.2. Transportation Infrastructure**

**4.2.1 - Ground transport infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	x Not relevant
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**4.2.2 - Underground transport infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	x Not relevant
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**4.2.3 - Air transport infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact							
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
	x			x		→	

**4.2.4 - Marine transport infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Inside, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact							
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Negative x	x		x	x		→	

**4.2.5 - Effects arising from use of transportation infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative x		x	x	x			

**4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively**

International and smaller ports directly and shipping lanes outside or close to the property may pose threat of pollution or accidents. Servicing the increasing number of off-shore wind farms has also recently increased air traffic over the property with the risk of disturbances of birds.

**4.3. Services Infrastructures**

**4.3.1 - Water infrastructure**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative x	x			x		→	

**4.3.2 - Renewable energy facilities**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative x	x	x		x			

**4.3.3 - Non-renewable energy facilities**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative x		x		x		→	

**4.3.4 - Localised utilities**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

Relevant		x Not relevant					
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**4.3.5 - Major linear utilities**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Inside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative x	x		x	x			

**4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively**

Dams, locks, pumping stations (coastal protection) can impact fish migratory routes. Technologies to allow fish passage need mainstreaming (addressed in Swimway project). Local impact fresh water wells on dune islands. The expected increase of offshore and onshore wind farms, and cables crossing the property may have impacts on the OUV specifically bird migration (collisions and resting ground). Non-renewable energy facilities have increased due to geopolitical situation.

**4.4. Pollution**

**4.4.1 - Pollution of marine waters**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

x Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative x	x	x		x		→	

**4.4.2 - Ground water pollution**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.4.3 - Surface water pollution**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			

**4.4.4 - Air pollution**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.4.5 - Solid waste**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.4.6 - Input of excess energy**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>			

**4.4.7 - Please comment as necessary on how the factors selected as relevant in 4.4 are affecting the property either negatively or positively**

Management aims to continue reducing pollution from land and sea, including marine litter. Awareness for the reduction of artificial light at night has increased and project are carried out to reduce light protecting migratory species and insects. Discard sea water used for cooling. Nutrients effluents from agriculture.

**4.5. Biological resource use/modification**

**4.5.1 - Fishing/collecting aquatic resources**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Inside, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

**4.5.2 - Aquaculture**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Inside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>				

**4.5.3 - Land conversion**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.5.4 - Livestock farming/Grazing of domesticated animals**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Negative	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

**4.5.5 - Crop production**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.5.6 - Commercial wild plant collection**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.5.7 - Subsistence wild plant collection**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.5.8 - Commercial hunting**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.5.9 - Subsistence hunting**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.5.10 - Forestry/Wood production**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively**

4.5.1 The SIMP (2023) will be the tool to safeguard the OUV by enhancing cooperation with the fisheries sectors based on the Framework for Sustainable Fisheries (2014). 4.5.4 On small and managed numbers and in specific circumstances, grazing can also contribute to maintain/enhance biodiversity.

**4.6. Physical resource extraction**

**4.6.1 - Mining**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.6.2 - Quarrying**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.6.3 - Oil and gas**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			

**4.6.4 - Water (extraction)**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively**

Existing trilateral agreement (WSP 2010 and World Heritage Nomination Dossier) prohibiting the construction of wind turbines, and installations for oil and gas, and not allowing oil and gas exploration and exploitation in the World Heritage property. However, current geopolitical situation caused the increase of plans and thus the increase of potential pressure on the ecosystem.

**4.7. Local conditions affecting physical fabric**

**4.7.1 - Wind**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.7.2 - Relative humidity**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.7.3 - Temperature**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--



**4.7.4 - Radiation/Light**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.7.5 - Dust**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.7.6 - Water (rain/water table)**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.7.7 - Pests**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.7.8 - Micro-organisms**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively**

**4.8. Social/Cultural uses of heritage**

**4.8.1 - Ritual/Spiritual/Religious and associative uses**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.8.2 - Society's valuing of heritage**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Positive, Potential, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant
--	--------------

	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
Negative							

**4.8.3 - Indigenous hunting, gathering and collecting**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.8.4 - Changes in traditional ways of life and knowledge system**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

**4.8.5 - Identity, social cohesion, changes in local population and community**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Positive, Potential, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>			
Negative							

**4.8.6 - Impacts of tourism/Visitation/Recreation**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Positive, Negative, Potential, Inside, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			
Negative <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

**4.8.7 - Please comment as necessary on how the factors selected as relevant in 4.8 are affecting the property either negatively or positively**

Since the inscription, local inhabitants and visitor have got more aware of the need to protect the natural values and the global importance of the property (several surveys amongst local and visitors). In 2020/2021, a visitor survey showed that more than 90% of the guest are aware of the status of the



Wadden Sea a World Heritage at its protection. During the Covid-19 pandemic, the Wadden Sea was highly valued for health and recovery by visitors and inhabitants.

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.3 - Military training

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.9.4 - War

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

##### 4.9.5 - Terrorism

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

##### 4.9.6 - Civil unrest

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
----------	--

##### 4.9.7 - Please comment as necessary on how the factors selected as relevant in 4.9 are affecting the property either negatively or positively

#### 4.10. Climate change and severe weather events

##### 4.10.1 - Storms

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

##### 4.10.2 - Flooding

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

##### 4.10.3 - Drought

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.10.4 - Desertification

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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##### 4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Potential, Outside

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

##### 4.10.6 - Temperature change

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			

**4.10.7 - Other climate change impacts**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input checked="" type="checkbox"/> Relevant		<input type="checkbox"/> Not relevant					
Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>

**4.10.8 - Please comment as necessary on how the factors selected as relevant in 4.10 are affecting the property either negatively or positively**

CVI: Main climate stressors: temperature, extreme temperature events, sea level rise. SIMP risks: Alterations of natural dynamic processes and biodiversity due to the existing coastal defense measures. Increase in number and size of coastal flood defense and protection measures to adapt to slr. Slr may cause difficulties with inland drainage, e.g hinder connectivity between WS and mainland. QSR: In 2018-2022, extreme droughts north-western Europe =reduction of outflow of main rivers to WS.

**4.11. Sudden ecological or geological events**

**4.11.1 - Volcanic eruption**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.11.2 - Earthquake**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.11.3 - Tsunami/Tidal wave**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
-----------------------------------	--

**4.11.4 - Avalanche/Landslide**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.11.5 - Erosion and siltation/Deposition**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.11.6 - Fire (wildfire)**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
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**4.11.7 - Please comment as necessary on how the factors selected as relevant in 4.11 are affecting the property either negatively or positively**

**4.12. Invasive/alien species or hyper-abundant species**

**4.12.1 - Translocated species**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

<input checked="" type="checkbox"/> Relevant		<input type="checkbox"/> Not relevant					
Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

**4.12.2 - Invasive/Alien terrestrial species**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Potential, Outside

<input checked="" type="checkbox"/> Relevant		<input type="checkbox"/> Not relevant					
Impact	Impact		Origin		Trend of impact		
	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
Positive							
Negative	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	

**4.12.3 - Invasive/Alien freshwater species**

Previous answer Cycle 2 (18/07/2013):

- Not relevant

<input type="checkbox"/> Relevant	<input checked="" type="checkbox"/> Not relevant
-----------------------------------	--

**4.12.4 - Invasive/Alien marine species**

Previous answer Cycle 2 (18/07/2013):

- Relevant, Negative, Current, Potential, Outside

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive							
🔴 Negative	✗	✗		✗		→	

#### 4.13.4 - Management activities

Previous answer Cycle 2 (18/07/2013):

- Not relevant

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗			→	
🔴 Negative							

#### 4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	✗ Not relevant
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#### 4.12.6 - Modified genetic material

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	✗ Not relevant
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**4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively**

#### 4.13. Management and institutional factors

##### 4.13.1 - Management system/Management plan

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗				↗
🔴 Negative							

##### 4.13.2 - Legal framework

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗			→	
🔴 Negative							

##### 4.13.3 - Governance

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗				↗
🔴 Negative							

##### 4.13.5 - Financial resources

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗				↗
🔴 Negative							

##### 4.13.6 - Human resources

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗				↗
🔴 Negative							

##### 4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (18/07/2013):

- Not relevant

✗ Relevant		Not relevant					
	Impact		Origin		Trend of impact		
Impact	🚩 Current	🚩 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
🟢 Positive	✗		✗	✗		→	
🔴 Negative							

##### 4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (18/07/2013):

- Not relevant

Relevant	✗ Not relevant
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##### 4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively

Wadden Sea Plan is the management framework of the property. The Wadden Sea is protected by national and EU legislation (Natura2000 management plans). The states parties ensure governance, financial and human resources to

monitor and assess impacts on the OUV. The SIMP Integrated Management Plan is complementary to the Wadden Sea Plan, shows nature conservation management systems and the trilaterally applied management cycle, and activities to further improve coordinated management.

4.14. Other factor(s)

4.14.1 - Other factor(s)

The Partnership Hub supports and facilitates engagement at trilateral level between civil society, different sectors, site management, science and research and policy through concrete projects The Hub also supports the UN sustainable development goal (SDG) 17: “Multi-stakeholder partnerships beyond the governmental sector”.

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact	Origin	Trend
<b>4.1 Buildings and Development</b>			
4.1.4 Major visitor accommodation and associated infrastructure	⊖	⚠	→
4.1.5 Interpretative and visitation facilities	⊕	⚠	→
<b>4.2 Transportation Infrastructure</b>			
4.2.3 Air transport infrastructure	⊖	⚠	→
4.2.4 Marine transport infrastructure	⊖	⚠	→
4.2.5 Effects arising from use of transportation infrastructure	⊖	⚠	→
<b>4.3 Services Infrastructures</b>			
4.3.1 Water infrastructure	⊖	⚠	→
4.3.2 Renewable energy facilities	⊖	⚠	→
4.3.3 Non-renewable energy facilities	⊖	⚠	→
4.3.5 Major linear utilities	⊖	⚠	→
<b>4.4 Pollution</b>			
4.4.1 Pollution of marine waters	⊖	⚠	→
4.4.3 Surface water pollution	⊖	⚠	→
4.4.6 Input of excess energy	⊖	⚠	→
<b>4.5 Biological resource use/modification</b>			
4.5.1 Fishing/collecting aquatic resources	⊖	⚠	→
4.5.2 Aquaculture	⊖	⚠	→
4.5.4 Livestock farming/Grazing of domesticated animals	⊕	⚠	→
<b>4.6 Physical resource extraction</b>			
4.6.3 Oil and gas			

Name	Impact	Origin	Trend
	⊖	⚠	→
<b>4.8 Social/Cultural uses of heritage</b>			
4.8.2 Society's valuing of heritage	⊕	⚠	→
4.8.5 Identity, social cohesion, changes in local population and community	⊕	⚠	→
4.8.6 Impacts of tourism/Visitation/Recreation	⊕	⚠	→
<b>4.10 Climate change and severe weather events</b>			
4.10.2 Flooding	⊖	⚠	→
4.10.5 Changes to oceanic waters	⊖	⚠	→
4.10.6 Temperature change	⊖	⚠	→
4.10.7 Other climate change impacts	⊖	⚠	→
<b>4.12 Invasive/alien species or hyper-abundant species</b>			
4.12.1 Translocated species	⊖	⚠	→
4.12.2 Invasive/Alien terrestrial species	⊖	⚠	→
4.12.4 Invasive/Alien marine species	⊖	⚠	→
<b>4.13 Management and institutional factors</b>			
4.13.1 Management system/Management plan	⊕	⚠	→
4.13.2 Legal framework	⊕	⚠	→
4.13.3 Governance	⊕	⚠	→
4.13.4 Management activities	⊕	⚠	→
4.13.5 Financial resources	⊕	⚠	→
4.13.6 Human resources	⊕	⚠	→
4.13.7 Low impact research/monitoring activities	⊕	⚠	→
<b>Legend</b>	⚠ Current	⚠ Potential	⊖ Negative
	⊕ Positive	⊙ Inside	→ Outside

**4.16. Assessment of current and potential positive and negative factors**

**4.16.1 - Assessment of current and potential negative and positive factors**

4.1 Buildings and Development						
Name	Impact		Origin	Trend		
4.1.4 Major visitor accommodation and associated infrastructure						
<b>Spatial scale - Area affected by the factor</b>						
<input checked="" type="checkbox"/>	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
	Intermittent or sporadic					
	Frequent					
<input checked="" type="checkbox"/>	On-going					
<b>Impact - Impact on the attributes</b>						
	Insignificant					
<input checked="" type="checkbox"/>	Minor					
	Significant					
	Major					
<b>Management response - Capacity of management to respond</b>						
<input checked="" type="checkbox"/>	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
<b>Trend - Development over the last 6 years</b>						
	Decreasing					
<input checked="" type="checkbox"/>	Static					
	Increasing					
Name	Impact		Origin	Trend		
4.1.5 Interpretative and visitation facilities						
<b>Spatial scale - Area affected by the factor</b>						
<input checked="" type="checkbox"/>	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
	Intermittent or sporadic					
	Frequent					
<input checked="" type="checkbox"/>	On-going					
<b>Impact - Impact on the attributes</b>						
	Insignificant					
	Minor					
<input checked="" type="checkbox"/>	Significant					
	Major					
<b>Management response - Capacity of management to respond</b>						
<input checked="" type="checkbox"/>	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
<b>Trend - Development over the last 6 years</b>						
	Decreasing					
<input checked="" type="checkbox"/>	Static					

	Increasing				
<b>4.2 Transportation Infrastructure</b>					
<b>Name</b>	<b>Impact</b>		<b>Origin</b>		<b>Trend</b>
4.2.3 Air transport infrastructure					
<b>Spatial scale - Area affected by the factor</b>					
<input checked="" type="checkbox"/>	Restricted				
	Localised				
	Extensive				
	Widespread				
<b>Temporal scale - Occurrence of the impact</b>					
	One off or rare				
	Intermittent or sporadic				
	Frequent				
<input checked="" type="checkbox"/>	On-going				
<b>Impact - Impact on the attributes</b>					
<input checked="" type="checkbox"/>	Insignificant				
	Minor				
	Significant				
	Major				
<b>Management response - Capacity of management to respond</b>					
<input checked="" type="checkbox"/>	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
<b>Trend - Development over the last 6 years</b>					
	Decreasing				
<input checked="" type="checkbox"/>	Static				
	Increasing				
<b>Name</b>	<b>Impact</b>		<b>Origin</b>		<b>Trend</b>
4.2.4 Marine transport infrastructure					
<b>Spatial scale - Area affected by the factor</b>					
	Restricted				
<input checked="" type="checkbox"/>	Localised				
	Extensive				
	Widespread				
<b>Temporal scale - Occurrence of the impact</b>					
	One off or rare				
	Intermittent or sporadic				
<input checked="" type="checkbox"/>	Frequent				
	On-going				
<b>Impact - Impact on the attributes</b>					
	Insignificant				
<input checked="" type="checkbox"/>	Minor				
	Significant				
	Major				
<b>Management response - Capacity of management to respond</b>					
<input checked="" type="checkbox"/>	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
<b>Trend - Development over the last 6 years</b>					
	Decreasing				

<input checked="" type="checkbox"/>	Static				
	Increasing				
<b>Name</b>	<b>Impact</b>		<b>Origin</b>		<b>Trend</b>
4.2.5 Effects arising from use of transportation infrastructure					
<b>Spatial scale - Area affected by the factor</b>					
	Restricted				
<input checked="" type="checkbox"/>	Localised				
	Extensive				
	Widespread				
<b>Temporal scale - Occurrence of the impact</b>					
	One off or rare				
	Intermittent or sporadic				
<input checked="" type="checkbox"/>	Frequent				
	On-going				
<b>Impact - Impact on the attributes</b>					
	Insignificant				
<input checked="" type="checkbox"/>	Minor				
	Significant				
	Major				
<b>Management response - Capacity of management to respond</b>					
<input checked="" type="checkbox"/>	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
<b>Trend - Development over the last 6 years</b>					
	Decreasing				
	Static				
<input checked="" type="checkbox"/>	Increasing				
<b>4.3 Services Infrastructures</b>					
<b>Name</b>	<b>Impact</b>		<b>Origin</b>		<b>Trend</b>
4.3.1 Water infrastructure					
<b>Spatial scale - Area affected by the factor</b>					
<input checked="" type="checkbox"/>	Restricted				
	Localised				
	Extensive				
	Widespread				
<b>Temporal scale - Occurrence of the impact</b>					
	One off or rare				
<input checked="" type="checkbox"/>	Intermittent or sporadic				
	Frequent				
	On-going				
<b>Impact - Impact on the attributes</b>					
	Insignificant				
<input checked="" type="checkbox"/>	Minor				
	Significant				
	Major				
<b>Management response - Capacity of management to respond</b>					
<input checked="" type="checkbox"/>	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
<b>Trend - Development over the last 6 years</b>					
	Decreasing				

	Decreasing							
✘	Static							
	Increasing							
Name		Impact			Origin		Trend	
4.3.2 Renewable energy facilities								
		⊖	↻	↻		🌱	➡	
Spatial scale - Area affected by the factor								
	Restricted							
✘	Localised							
	Extensive							
	Widespread							
Temporal scale - Occurrence of the impact								
	One off or rare							
	Intermittent or sporadic							
✘	Frequent							
	On-going							
Impact - Impact on the attributes								
	Insignificant							
✘	Minor							
	Significant							
	Major							
Management response - Capacity of management to respond								
✘	High capacity							
	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Trend - Development over the last 6 years								
	Decreasing							
	Static							
✘	Increasing							
Name		Impact			Origin		Trend	
4.3.3 Non-renewable energy facilities								
		⊖		↻		🌱	➡	
Spatial scale - Area affected by the factor								
	Restricted							
✘	Localised							
	Extensive							
	Widespread							
Temporal scale - Occurrence of the impact								
✘	One off or rare							
	Intermittent or sporadic							
	Frequent							
	On-going							
Impact - Impact on the attributes								
✘	Insignificant							
	Minor							
	Significant							
	Major							
Management response - Capacity of management to respond								
✘	High capacity							
	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Trend - Development over the last 6 years								
	Decreasing							

✘	Static							
	Increasing							
Name		Impact			Origin		Trend	
4.3.5 Major linear utilities								
		⊖	↻		🌱	🌱	➡	
Spatial scale - Area affected by the factor								
	Restricted							
✘	Localised							
	Extensive							
	Widespread							
Temporal scale - Occurrence of the impact								
	One off or rare							
✘	Intermittent or sporadic							
	Frequent							
	On-going							
Impact - Impact on the attributes								
	Insignificant							
✘	Minor							
	Significant							
	Major							
Management response - Capacity of management to respond								
✘	High capacity							
	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Trend - Development over the last 6 years								
	Decreasing							
	Static							
✘	Increasing							
4.4 Pollution								
Name		Impact			Origin		Trend	
4.4.1 Pollution of marine waters								
		⊖	↻	↻		🌱	➡	
Spatial scale - Area affected by the factor								
	Restricted							
	Localised							
✘	Extensive							
	Widespread							
Temporal scale - Occurrence of the impact								
	One off or rare							
	Intermittent or sporadic							
✘	Frequent							
	On-going							
Impact - Impact on the attributes								
	Insignificant							
✘	Minor							
	Significant							
	Major							
Management response - Capacity of management to respond								
✘	High capacity							
	Medium capacity							
	Low capacity							
	No capacity and / or resources							
Trend - Development over the last 6 years								



















































	Decreasing						
✘	Static						
	Increasing						
Name		Impact		Origin		Trend	
4.4.3 Surface water pollution							
		⊖	↻		🌱	→	
Spatial scale - Area affected by the factor							
✘	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
✘	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Impact on the attributes							
	Insignificant						
✘	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							
	Decreasing						
✘	Static						
	Increasing						
Name		Impact		Origin		Trend	
4.4.6 Input of excess energy							
		⊖	↻		🌱	→	
Spatial scale - Area affected by the factor							
✘	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
✘	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Impact on the attributes							
	Insignificant						
✘	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							
	Decreasing						

✘	Static						
	Increasing						
4.5 Biological resource use/modification							
Name		Impact		Origin		Trend	
4.5.1 Fishing/collecting aquatic resources							
		⊖	↻		🌱	→	
Spatial scale - Area affected by the factor							
	Restricted						
	Localised						
✘	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
✘	Frequent						
	On-going						
Impact - Impact on the attributes							
	Insignificant						
	Minor						
✘	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							
	Decreasing						
✘	Static						
	Increasing						
Name		Impact		Origin		Trend	
4.5.2 Aquaculture							
		⊖	↻		🌱	→	
Spatial scale - Area affected by the factor							
✘	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
✘	Frequent						
	On-going						
Impact - Impact on the attributes							
	Insignificant						
✘	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							

	Decreasing						
✘	Static						
	Increasing						
Name		Impact		Origin		Trend	
4.5.4 Livestock farming/Grazing of domesticated animals							
Spatial scale - Area affected by the factor							
✘	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
✘	Frequent						
	On-going						
Impact - Impact on the attributes							
✘	Insignificant						
	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							
	Decreasing						
✘	Static						
	Increasing						
4.6 Physical resource extraction							
Name		Impact		Origin		Trend	
4.6.3 Oil and gas							
Spatial scale - Area affected by the factor							
✘	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
✘	On-going						
Impact - Impact on the attributes							
	Insignificant						
✘	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						

Trend - Development over the last 6 years							
	Decreasing						
✘	Static						
	Increasing						
4.8 Social/Cultural uses of heritage							
Name		Impact		Origin		Trend	
4.8.2 Society's valuing of heritage							
Spatial scale - Area affected by the factor							
	Restricted						
	Localised						
	Extensive						
✘	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
✘	On-going						
Impact - Impact on the attributes							
	Insignificant						
✘	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Development over the last 6 years							
	Decreasing						
	Static						
✘	Increasing						
Name		Impact		Origin		Trend	
4.8.5 Identity, social cohesion, changes in local population and community							
Spatial scale - Area affected by the factor							
	Restricted						
✘	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurrence of the impact							
	One off or rare						
	Intermittent or sporadic						
	Frequent						
✘	On-going						
Impact - Impact on the attributes							
	Insignificant						
✘	Minor						
	Significant						
	Major						
Management response - Capacity of management to respond							
✘	High capacity						
	Medium capacity						
	Low capacity						

	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✘	Static
	Increasing
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>
4.8.6 Impacts of tourism/Visitation/Recreation	     
	     
<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✘	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✘	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✘	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✘	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✘	Static
	Increasing
<b>4.10 Climate change and severe weather events</b>	
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>
4.10.2 Flooding	     
	     
<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✘	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✘	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✘	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✘	High capacity
	Medium capacity

	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✘	Increasing
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>
4.10.5 Changes to oceanic waters	     
	     
<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✘	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✘	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✘	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
	Medium capacity
	Low capacity
✘	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✘	Increasing
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>
4.10.6 Temperature change	     
	     
<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✘	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✘	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✘	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
	High capacity
	Medium capacity
	Low capacity

<input checked="" type="checkbox"/>	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing
<b>Name</b>	<b>Impact</b>
<b>4.10.7 Other climate change impacts</b>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>Spatial scale - Area affected by the factor</b>	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
<b>Impact - Impact on the attributes</b>	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
<b>Management response - Capacity of management to respond</b>	
<input type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input checked="" type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing
<b>4.12 Invasive/alien species or hyper-abundant species</b>	
<b>Name</b>	<b>Impact</b>
<b>4.12.1 Translocated species</b>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>Spatial scale - Area affected by the factor</b>	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
<input checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
<b>Impact - Impact on the attributes</b>	
<input checked="" type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
<b>Management response - Capacity of management to respond</b>	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity

<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing
<b>Name</b>	<b>Impact</b>
<b>4.12.2 Invasive/Alien terrestrial species</b>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>Spatial scale - Area affected by the factor</b>	
<input checked="" type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
<b>Impact - Impact on the attributes</b>	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
<b>Management response - Capacity of management to respond</b>	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing
<b>Name</b>	<b>Impact</b>
<b>4.12.4 Invasive/Alien marine species</b>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
<b>Spatial scale - Area affected by the factor</b>	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input checked="" type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going
<b>Impact - Impact on the attributes</b>	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major
<b>Management response - Capacity of management to respond</b>	
<input type="checkbox"/>	High capacity
<input checked="" type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity

	No capacity and / or resources								
<b>Trend - Development over the last 6 years</b>									
	Decreasing								
✗	Static								
	Increasing								
<b>4.13 Management and institutional factors</b>									
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>								
<b>4.13.1 Management system/Management plan</b>	<table border="1"> <tr> <td>+</td> <td>+</td> <td>+</td> <td>+</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	+	+	+	+				
+	+	+	+						
<b>Spatial scale - Area affected by the factor</b>									
	Restricted								
	Localised								
	Extensive								
✗	Widespread								
<b>Temporal scale - Occurrence of the impact</b>									
	One off or rare								
	Intermittent or sporadic								
	Frequent								
✗	On-going								
<b>Impact - Impact on the attributes</b>									
	Insignificant								
	Minor								
✗	Significant								
	Major								
<b>Management response - Capacity of management to respond</b>									
✗	High capacity								
	Medium capacity								
	Low capacity								
	No capacity and / or resources								
<b>Trend - Development over the last 6 years</b>									
	Decreasing								
	Static								
✗	Increasing								
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>								
<b>4.13.2 Legal framework</b>	<table border="1"> <tr> <td>+</td> <td>+</td> <td>+</td> <td>→</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	+	+	+	→				
+	+	+	→						
<b>Spatial scale - Area affected by the factor</b>									
	Restricted								
	Localised								
	Extensive								
✗	Widespread								
<b>Temporal scale - Occurrence of the impact</b>									
	One off or rare								
	Intermittent or sporadic								
	Frequent								
✗	On-going								
<b>Impact - Impact on the attributes</b>									
	Insignificant								
	Minor								
	Significant								
✗	Major								
<b>Management response - Capacity of management to respond</b>									
✗	High capacity								
	Medium capacity								
	Low capacity								

	Low capacity								
	No capacity and / or resources								
<b>Trend - Development over the last 6 years</b>									
	Decreasing								
✗	Static								
	Increasing								
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>								
<b>4.13.3 Governance</b>	<table border="1"> <tr> <td>+</td> <td>+</td> <td>+</td> <td>+</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	+	+	+	+				
+	+	+	+						
<b>Spatial scale - Area affected by the factor</b>									
	Restricted								
	Localised								
	Extensive								
✗	Widespread								
<b>Temporal scale - Occurrence of the impact</b>									
	One off or rare								
	Intermittent or sporadic								
	Frequent								
✗	On-going								
<b>Impact - Impact on the attributes</b>									
	Insignificant								
	Minor								
	Significant								
✗	Major								
<b>Management response - Capacity of management to respond</b>									
✗	High capacity								
	Medium capacity								
	Low capacity								
	No capacity and / or resources								
<b>Trend - Development over the last 6 years</b>									
	Decreasing								
	Static								
✗	Increasing								
<b>Name</b>	<b>Impact</b> <b>Origin</b> <b>Trend</b>								
<b>4.13.4 Management activities</b>	<table border="1"> <tr> <td>+</td> <td>+</td> <td>+</td> <td>→</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table>	+	+	+	→				
+	+	+	→						
<b>Spatial scale - Area affected by the factor</b>									
	Restricted								
	Localised								
	Extensive								
✗	Widespread								
<b>Temporal scale - Occurrence of the impact</b>									
	One off or rare								
	Intermittent or sporadic								
	Frequent								
✗	On-going								
<b>Impact - Impact on the attributes</b>									
	Insignificant								
	Minor								
	Significant								
✗	Major								
<b>Management response - Capacity of management to respond</b>									
✗	High capacity								
	Medium capacity								
	Low capacity								

	No capacity and / or resources			
<b>Trend - Development over the last 6 years</b>				
	Decreasing			
✗	Static			
	Increasing			
<b>Name</b>	<b>Impact</b>	<b>Origin</b>	<b>Trend</b>	
4.13.5 Financial resources				
<b>Spatial scale - Area affected by the factor</b>				
	Restricted			
	Localised			
	Extensive			
✗	Widespread			
<b>Temporal scale - Occurrence of the impact</b>				
	One off or rare			
	Intermittent or sporadic			
	Frequent			
✗	On-going			
<b>Impact - Impact on the attributes</b>				
	Insignificant			
	Minor			
✗	Significant			
	Major			
<b>Management response - Capacity of management to respond</b>				
✗	High capacity			
	Medium capacity			
	Low capacity			
	No capacity and / or resources			
<b>Trend - Development over the last 6 years</b>				
	Decreasing			
	Static			
✗	Increasing			
<b>Name</b>	<b>Impact</b>	<b>Origin</b>	<b>Trend</b>	
4.13.6 Human resources				
<b>Spatial scale - Area affected by the factor</b>				
	Restricted			
	Localised			
	Extensive			
✗	Widespread			
<b>Temporal scale - Occurrence of the impact</b>				
	One off or rare			
	Intermittent or sporadic			
	Frequent			
✗	On-going			
<b>Impact - Impact on the attributes</b>				
	Insignificant			
	Minor			
✗	Significant			
	Major			
<b>Management response - Capacity of management to respond</b>				
✗	High capacity			
	Medium capacity			
	Low capacity			
	No capacity and / or resources			

<b>Trend - Development over the last 6 years</b>				
	Decreasing			
	Static			
✗	Increasing			
<b>Name</b>	<b>Impact</b>	<b>Origin</b>	<b>Trend</b>	
4.13.7 Low impact research/monitoring activities				
<b>Spatial scale - Area affected by the factor</b>				
	Restricted			
	Localised			
✗	Extensive			
	Widespread			
<b>Temporal scale - Occurrence of the impact</b>				
	One off or rare			
	Intermittent or sporadic			
✗	Frequent			
	On-going			
<b>Impact - Impact on the attributes</b>				
	Insignificant			
	Minor			
✗	Significant			
	Major			
<b>Management response - Capacity of management to respond</b>				
✗	High capacity			
	Medium capacity			
	Low capacity			
	No capacity and / or resources			
<b>Trend - Development over the last 6 years</b>				
	Decreasing			
✗	Static			
	Increasing			

**4.17. Serial inscriptions (national or transnational)**

**4.17.1 - If your property is a serial inscription (national or transnational) please identify which components of the property are impacted by each factor**

All components of the property are impacted by each factor.  
414 characters remaining

**4.18. Prediction of the state of conservation at next cycle of Periodic Reporting.**

**4.18.1 - Please predict what the state of conservation of each attribute will be approximately 6 years from now (at the time of the next cycle of Periodic Reporting)**

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	1. Unbroken tidal flat and barrier system	✗			
4.18.1.2	5. Linked geomorphological, biophysical and biological processes	✗			

4.18.1.3	6. High biomass production	x			
4.18.1.4	8. High typical biodiversity	x			
4.18.1.5	9. Migratory birds	x			

waterbird species ecologically dependant on wetlands within the flyway.

Source: Periodic Reporting Cycle 2

**Comment**

EU Water Framework Directive, EU Marine Strategy Framework Directive, EU Marine Spatial Planning Directive (see SIMP Table 2) Seal Agreement as a regional agreement under the CMS.

**5.2.2 - Please list any legislation and other measures (regulatory -including spatial planning- contractual, institutional or traditional) not included in 5.2.1 and indicate the category**

---

**5.2.3 - Is the legal framework (i.e. legislation and/or regulation including spatial planning) adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?**

The **legal framework** for maintaining of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World Heritage property provides an **adequate basis for effective management and protection**

**5.2.4 - Is the legal framework (i.e. legislation and/or regulation) adequate in the buffer zone for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?**

The property has **no buffer zone**

**5.2.5 - Is the legal framework (i.e. legislation and/or regulation) in the broader setting of the World Heritage property adequate for maintaining the Outstanding Universal Value including conditions of Integrity and/or Authenticity of the property?**

The **legal framework** for the broader setting of the World Heritage property provides an **adequate basis for effective management and protection** of the property, contributing to the maintenance of its Outstanding Universal Value including conditions of Authenticity and/or Integrity

**5.2.6 - Can the legal framework (i.e. legislation and/or regulation) be enforced?**

There is **adequate capacity/resources** to enforce legislation and/or regulation in the World Heritage property

**5.2.7 - Please provide a short summary of how the legislation, including spatial planning and other regulation, works in practice**

European Union Directives and international conventions and agreements are transposed into laws, regulations and plans at the national and local level. A comprehensive overview is in SIMP Chapter 3.

**5.2.8 - Comments, conclusions and/or recommendations about the information related to the measures taken to protect the World Heritage property**

The Trilateral Governmental Cooperation on the Protection of the Wadden Sea, in short Trilateral Wadden Sea Cooperation

**5. Protection and Management of the Property**

**5.1. Boundaries and Buffer Zones**

**5.1.1 - Are the boundaries of the World Heritage property adequate to maintain the property's Outstanding Universal Value?**

The boundaries are **adequate to maintain** the property's Outstanding Universal Value

**5.1.2 - Are the boundaries of the World Heritage property known and recognised?**

The boundaries are **known by both** the management authority and local communities/landowners

**5.1.3 - Are the buffer zone(s) of the World Heritage property adequate to maintain the property's Outstanding Universal Value?**

The property has **no buffer zone** and **does not need one**

**5.1.4 - Are the boundaries of the buffer zones known and recognised?**

The property has **no known and recognised** buffer zone

**5.1.5 - Comments, conclusions and/or recommendations related to boundaries and buffer zones of the World Heritage property**

The property has no buffer zone and does not need one (see nomination dossier). Therefore question 5.1.4 is not applicable.

**5.2. Protective Measures**

**5.2.1 - Protective designation (legal, regulatory, contractual, planning, institutional and/or traditional).**

The property is mainly classified as an IUCN Category VI protected area that includes other more restrictive categories of protected areas within its boundaries. All the existing protected areas are legally established by federal or state decrees. A small part of the property (0.25%) is under private ownership. Management of private lands is regulated by existing protective measures. An essential feature of the protection of the property is that the framework of the Trilateral Wadden Sea Cooperation (The Netherlands, Germany and Denmark) provides it with one comprehensive protection and management scheme, with additional layers of protection at federal and state levels. This is also supported by a number of international designations and legal instruments such as the Ramsar Convention, several Biosphere Reserves under the UNESCO's MaB Programme, a Particularly Sensitive Sea Area (PSSA) under the International Maritime Organization (IMO), Special Protection Area (SPAs) and a Special Area of Conservation (SACs) under the EU Birds and Habitats Directives. The property is also protected under the African-Eurasian Waterbird Agreement (AEWA), which protects 235

(TWSC) was established in 1978 as a tool for cooperation and coordination of nature conservation. This commitment, the Objective of the Cooperation, its Guiding principle, Vision, the areas of cooperation, institutional and financial agreements are in the Joint Declaration on the Protection of the Wadden Sea: Working together to meet present and future challenges.

**5.3. Management System/Management Plan**

**5.3.1 - Please check the box which most closely match the character of the governance and management system of the property**

**5.3.2 - Management System: Please indicate which of the various management tools listed below are used to help protect the property.**

A statutory Management Plan or zoning plan for the property.
Other forms of statutory or non-statutory plans (e.g. strategic plans)
Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management
Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups
A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property
A code of practice developed by local communities or other groups
An integrated management plan combining World Heritage and any other designations
A management plan
An annual work plan or business plan
A disaster, climate or conflict risk management plan
A visitor/visitation management plan
An environmental management framework
An assessment of biological and cultural diversity and ecosystem services provided by the property

**5.3.3 - Please give a brief description of the management system currently in place at your property**

The management system of the Wadden Sea World Heritage Site is based on the existing national protection and management systems supplemented by the trilaterally coordinated management including a number of trilateral plans, strategies and action plans, including the recently adopted SIMP.

**5.3.4 - Management Documents**

**5.3.5 - Has any use been made of the 2011 Recommendation on the Historic Urban Landscape in developing policies and best practices for the protection of this property?**

The 2011 Recommendation on the Historic Urban Landscape is **not relevant** to this property

**5.3.6 - If the Historic Urban Landscape Recommendation has been used at this property, please describe briefly what has been done.**

Not relevant for the property.

**5.3.7 - Has any use been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property?**

The policy for dealing with climate change is **fully based** on the agreed World Heritage policy

**5.3.8 - If the Climate Change policy has been used, please briefly describe what has been done along with any research on the impacts of Climate Change on the property:**

Trilateral work related to climate change focuses on enhancing the resilience of the Wadden Sea ecosystem to the impacts of climate change. A trilateral Climate Change Adaptation Strategy (CCAS) with seven strategic objectives and guiding principles was developed and adopted at the 12th Wadden Sea Conference 2014 in Tønder, Denmark. National policies on climate change exist. Vulnerability of the World Heritage OUV to climate change was assessed by means of the Climate Vulnerability Index (C

**5.3.9 - Has any use been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property ?**

The risk management policy is **fully based** on the agreed Strategy for Reducing Risks from Disasters at World Heritage Properties

**5.3.10 - If the Strategy for Reducing Risks from Disasters at World Heritage Properties has been used, please briefly describe what has been done**

Trilateral Operational Plans for shipping safety: prevention of accidents, pollution, preparedness and response, cooperation and awareness. National policies for reducing risks from disasters have been established 259 characters remaining

**5.3.11 - Rate the coordination between the various levels of administration (i.e. national/federal; regional/provincial/state; local/municipal etc.) involved in the management of the World Heritage property**

There is **adequate coordination** between all bodies/levels involved in the management of the property

**5.3.12 - Is the management system/plan adequate to maintain the property's Outstanding Universal Value?**

The management system/plan is **fully adequate** to maintain the property's Outstanding Universal Value

**5.3.13 - Is the management system being implemented?**

The management system is being **fully implemented and monitored**

**5.3.14 - Is there an annual work/action plan and is it being implemented?**

An annual work/action plan **exists and all of its activities are being implemented and monitored**



**5.3.15 - Does the management system include formal mechanisms and procedures that ensure participation and contribution of the following groups, living within or near the World Heritage property and/or buffer zone in management decisions that maintain the Outstanding Universal Value of the property?**

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities					x
5.3.15.2	Local authorities					x
5.3.15.3	Landowners in the property and the buffer zone				x	
5.3.15.4	Indigenous peoples	x				
5.3.15.5	Women		x			
5.3.15.6	Other specific groups					x
	If you selected, 'Other specific groups' please specify	Interest groups involved in advisory boards in the regions				

**5.3.16 - Please rate the cooperation/relationship between the World Heritage property managers/coordinators/staff and the following groups**

		Not applicable	Non-existent	Poor	Fair	Good
5.3.16.1	Local communities					x
5.3.16.2	Local/Municipal authorities					x
5.3.16.3	Indigenous peoples	x				
5.3.16.4	Landowners				x	
5.3.16.5	Women	x				
5.3.16.6	Youth/Children					x
5.3.16.7	Researchers					x
5.3.16.8	Local Visitors/Tourists					x
5.3.16.9	National/International tourists					x
5.3.16.10	Tourism Industry					x
5.3.16.11	Local businesses and industries					x
5.3.16.12	NGOs					x
5.3.16.13	Other specific groups	x				
	If you selected 'Other specific groups', please specify					

**5.3.17 - Please rate the extent to which the management system of your property contributes towards achieving the objectives of the World Heritage Committee's Policy for the Integration of a Sustainable Development Perspective into the Processes of the World Heritage Convention**

		Not applicable	No contribution	Limited	Significant	Full achievement
5.3.17.1	The management system of the property contributes to gender equality	x				
5.3.17.2	The management system of the property provides ecosystem services/benefits to the local community (e.g. fresh air, water, food, medicinal plants)					x
5.3.17.3	The management system of the property contributes to social inclusion and equity, improving opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion or economic or other status					x
5.3.17.4	The management system of the property integrates a human rights-based approach					x
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood					x
5.3.17.6	The management system of the property contributes to conflict prevention, including respect for cultural diversity within and around the World Heritage property					x

**5.3.18 - Please provide further details on the ratings of the management system given in the table above**

**5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan**

The management system is described in Nomination Dossiers and in the SIMP Integrated Management Plan. The management system is based on the national and local protection and management systems supplemented by the trilaterally coordinated management including a number of trilateral plans, strategies and action plans.

**6. Financial and Human Resources**

**6.1. Funding**

**6.1.1 - If your funding sources do not exactly fit those shown, put the relevant amounts against the funding type that most closely represents your situation, and use the comment box below to provide more details.**

		Project costs	Running costs
6.1.1.1	Multilateral funding (GEF, World Bank, etc.)	%	%
6.1.1.2	Bilateral international funding	%	%
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	20 %	%
6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	40 %	40 %
6.1.1.7	Governmental (regional/provincial/state)	30 %	50 %
6.1.1.8	Governmental (local/municipal)	5 %	5 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	5 %	5 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	%	%
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	%
6.1.1.12	Other	%	%
		Total 100 %	Total 100 %

**6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above**

Project costs are funded from several sources, mainly EU funding, as well as funding from various levels and budgets (municipal, province/state, national)

**6.1.3 - Is the current budget sufficient to manage the World Heritage property effectively?**

The available budget is adequate for effective management of the World Heritage property

**6.1.4 - Are the existing sources of funding secure and likely to remain so?**

The existing sources of funding are secure over both the medium- and long-term

**6.1.5 - Comments, conclusion, and/or recommendations related to finance and infrastructure**

**6.1.6 - Estimate the distribution of men and women involved in the management, conservation, interpretation of the World Heritage properties and the extent to which they are drawn from local communities.**

	From local communities %	From elsewhere %
6.1.6.1 Men	45 %	55 %
6.1.6.2 Women	55 %	45 %
	Total 100 %	Total 100 %

**6.1.7 - Are available human resources adequate to manage the World Heritage property?**

Human resources are adequate for management needs

**6.1.8 - Considering the management needs of the World Heritage property, please rate the availability of professionals in the following disciplines**

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Good
Marketing and promotion	Good
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Good

**6.1.9 - Please rate the availability of training opportunities for the management of the World Heritage property in the following disciplines**

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Good
Marketing and promotion	Good
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Good

**6.1.10 - Has any use been made of the World Heritage Strategy for Capacity Building at the property?**

Training and capacity building at this property is **fully based** on the World Heritage Strategy for Capacity Building

**6.1.11 - If the World Heritage Strategy for Capacity Building has been used, please briefly describe what has been done.**

Training offers and educational programmes for SMEs and partners (partner programmes).

**6.1.12 - Are there site-specific capacity building plans or programmes that develop local expertise and that contribute to the transfer of skills for the conservation and management of the World Heritage property?**

A **site-based** capacity building plan or programme is in place and fully implemented; **all technical skills are being transferred** to those managing the property locally

**6.1.13 - Comments, conclusions and/or recommendations related to human resources, expertise and training**

**7. Scientific Studies and Research Projects**

**7.1 - Is there adequate knowledge (scientific or traditional) about the values and attributes of the World Heritage property to support planning, management and decision-making to ensure that Outstanding Universal Value is maintained?**

Knowledge about the values and attributes of the World Heritage property is **adequate**

**7.2 - Is there a planned programme of research at the property which is directed towards management needs and/or improving understanding of Outstanding Universal Value?**

There is a **comprehensive, integrated** programme of research, which is relevant to management needs and/or improving understanding of Outstanding Universal Value

**7.3 - Are results from research programmes publicly available and disseminated?**

Research results **are shared** widely with **active outreach** to local communities and national and international audiences

**7.4 - Comments, conclusions and/or recommendations related to scientific studies and research projects**

**8. Education, Information and Awareness Building**

**8.1 - Please rate the awareness and understanding of the existence and justification for inscription of the World Heritage property amongst the following groups**

Local communities	Good
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Local/municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Fair
Women	Good
Youth/children	Good
Researchers	Good
Local visitors	Good
National/international tourists	Good
Tourism industry	Good
Local businesses and industries	Fair
NGOs	Good
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

**8.2 - Does the property have a heritage education programme(s) for children and/or youth, that can contribute to a better understanding of heritage, promote diversity and foster intercultural dialogue?**

There is a **planned and effective education and awareness programme** for children and youth that contributes to the protection of the World Heritage property

**8.3 - Who are the target audiences for education and awareness programmes at your property?**

Local communities
Local/municipal authorities
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries
NGOs

**8.4 - Please rate the adequacy of the following visitor facilities and services at the World Heritage property for education, information, interpretation and awareness building**

Visitor centre	Good
Site museum	Good
Information booths	Good
Guided tours	Good
Trails/routes	Good
Printed information materials	Good
Online (website, social media, etc.)	Good
Transportation facilities	Good
Other	Not needed
If 'Other' is selected, please specify	

**8.5 - Comments, conclusions and/or recommendations related to education, information and awareness building**

Wadden Sea Strategy on Education for Sustainable Development and World Heritage Interpretation. International Wadden Sea School (iwss.org) - a network of Danish, German and Dutch visitor centers and education networks. Regular joint World Heritage awareness campaigns with involvement of local stakeholders

## 9. Visitor Management

### 9.1 - Please provide estimated annual visitor numbers (including national and international visitors) since the last Periodic Report

9,5 million visitor arrivals (about 50 million overnight stays) / n/a / n/a / n/a / 9,9 million visitor arrivals /

### 9.2 - What information sources are used to collect visitor statistics?

Tourism industry
Visitor surveys
Other
Quality Status Reports, NL: data from ferries

### 9.3 - What is the average length stay of a visitor to the World Heritage property?

More than four overnight stays

### 9.4 - Please provide the source of information

One of the main challenges lies in the collection and communication of up-to-date, consistent, and comparable data across the three countries of the trilateral Wadden Sea region. Currently, statistics for the three countries are often not comparable due to the different methodologies, regional bases, base years and differences in the availability of data. The Wadden Sea Quality Status Report - Tourism assess available information (done 2009 / 2016 / 2021)

### 9.5 - What is the approximate average daily visitor expenditure? (Please provide an estimated monetary figure in USD)

n/a / n/a / n/a / n/a / n/a / n/a /

### 9.6 - Please provide the source of information

QSR 2021: Daily spending (commercial operations): between 55 - 124 Euro

### 9.7 - Does the management system/plan for the World Heritage property include a strategy with an action plan to manage visitors, tourism activity and its derived economic, socio-cultural and environmental impacts?

There is a **planned and effective strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property

### 9.8 - Please provide any comments relating to the answer provided above in question 9.7

The joint implementation of the strategy on "Sustainable Tourism in the Wadden Sea World Heritage Destination" is an important work theme for the Trilateral Cooperation. Since 2013, the respective Action Plan is an important tool for the relevant stakeholders to implement the strategy. The Action Plan identifies five principal work fields, with sixth overarching themes. The trilateral plan – and its local action plans allocate resources strategically and build strong partnerships.

### 9.9 - Is visitor use effectively managed to maintain the Outstanding Universal Value of the property?

Visitor use of the World Heritage property is **effectively managed and does not impact its Outstanding Universal Value**

### 9.10 - Is the effectiveness of tourism management regularly monitored?

### 9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the Outstanding Universal Value of the World Heritage property?

There is **good cooperation** between those responsible for the World Heritage property and the tourism industry to **present the Outstanding Universal Value and increase appreciation**

### 9.12 - How well is the information on the Outstanding Universal Value of the property presented and interpreted?

The Outstanding Universal Value of the property is **adequately presented and interpreted**

### 9.13 - At how many locations is the World Heritage emblem displayed at the property?

In **many locations** and **easily visible** to visitors

### 9.14 - How does visitor/tourism revenue (e.g. entry charges, permits) contribute to the management of the World Heritage property?

**No fees** are collected

### 9.15 - Are there locally driven sustainable tourism initiatives?

### 9.16 - Are the benefits of tourism shared with local communities?

### 9.17 - Comments, conclusions and/or recommendations related to visitation/tourism/public use of the World Heritage property

There are successful existing local, regional, national and trilateral initiatives throughout the entire area, creating synergies and new partnerships to strengthen the cooperation and commitment of stakeholders. The Trilateral Network Group on Sustainable Tourism (NG-ST) is coordinating and monitoring the implementation and progress of the trilateral strategy for sustainable tourism and the action plan in a participatory approach with the relevant stakeholders.

## 10. Monitoring

### 10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the understanding of the Outstanding Universal Value?

There is a **comprehensive, integrated programme of monitoring**, which is relevant to management needs and/or improving understanding of the Outstanding Universal Value

**10.2 - Is necessary information available in order to define key indicators for measuring the state of conservation and are they used in monitoring how the Outstanding Universal Value of the property is being maintained?**

Information on the values of the World Heritage property is **adequate and key indicators have been defined** for measuring the state of conservation and **are being used in monitoring** of how the Outstanding Universal value of the property is being maintained

**10.3 - Are key indicators defined and in place for the following principal aspects of the property?**

	Extend of indicators	Not applicable	No indicators	Indicators have been defined but are not yet in use	Indicators are in place and in use since the last Periodic Reporting cycle
10.3.1	State of conservation				x
10.3.2	Effectiveness of the management system				x
10.3.3	Character of governance				x
10.3.4	Appropriate synergy with other conservation designations				x
10.3.5	Contribution to sustainable development				x
10.3.6	Capacity development				x

**10.4 - Please provide information on relevant key indicators adopted at the property**

A qualitative way is followed reflecting on these indicators and setting priorities every 3-4 years at the Trilateral Governmental Conferences. Regular TMAP, QSR and EU instruments, national, local and trilateral advisory boards integrated in governance structure as well as the agencies responsible for other designations. Partner programs and training offers contribute to sustainable and capacity development. Monitoring of capacity indicator can be enhanced. See ch. 3.4 management cycle in SIMP

**10.5 - Please rate the level of involvement in monitoring of the following groups:**

<b>World Heritage managers/coordinators and staff</b>	Good
<b>Local/municipal authorities</b>	Good
<b>Local communities</b>	Fair
<b>Indigenous peoples</b>	Not applicable
<b>Landowners</b>	Fair
<b>Women</b>	Not applicable

<b>Researchers</b>	Good
<b>Tourism industry</b>	Fair
<b>Local businesses and industry</b>	Fair
<b>NGOs</b>	Good
<b>Other specific groups</b>	Not applicable
<b>If you selected 'Other specific groups', please specify</b>	

**10.6 - Has the State Party implemented relevant recommendations arising from the World Heritage Committee?**

Implementation is complete

**10.7 - Please provide comments relevant to the implementation of recommendations from the World Heritage Committee.**

Recommendation from the Committee which have been implemented: Extension of the property with Denmark (2014), Sustainable Tourism Strategy (2014), Monitoring Aliens (MAPAS 2019), Wadden Sea Flyway Cooperation (2012), Single Integrated Management Plan (2022).

**10.8 - Comments, conclusions and/or recommendations related to Monitoring**

Reference to management cycle in SIMP Chapter 3.4, Figure 7, p 22

**11. Identification of Priority Management Needs**

**11.1 - Identification of Priority Management Needs**

5.1	Boundaries and Buffer Zones	
5.1.3	The property has <b>no buffer zone</b>	<input checked="" type="checkbox"/>
5.1.4	The property has <b>no known and recognised buffer zone</b>	<input checked="" type="checkbox"/>
5.2	Protective Measures	
5.2.4	The property has <b>no buffer zone</b>	<input checked="" type="checkbox"/>
Please select 0 more issues.		
<input type="checkbox"/> Please save this question to reflect changes		

**12. Summary and Conclusions**

**12.1. Summary - Factors affecting the Property**

**12.1.1 - Summary - Factors affecting the Property**

World Heritage criteria and attributes affected	Actions	Monitoring	Timeframe	Lead agency (and others involved)	More info / comment
4.5	<b>Biological resource use/modification</b>				
4.5.1	Fishing/collecting aquatic resources	criteria 9 and 10, attributes 6,7,8.	Framework for Sustainable Fishery Fisheries. National legislators and agreements.	Regular monitoring in TMAP	Ongoing

4.10 Climate change and severe weather events																				
4.10.5	Changes to oceanic waters	Criteria 8,9,10 and all 10 attributes can be potentially affected by change of water temperature.	Mitigation of CO2 is part of the general climate policies in the three states	Regular monitoring of water temperature is carried out within the entire property	Ongoing	DK: Env. Min.: Nature Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min. and agencies, BSH NL: I&W, RWS			marsh areas in the property.	NL: LNV, I&W, RWS										
4.10.6	Temperature change	Criteria 8,9,10 and all 10 attributes can be potentially affected by air temperature change.	Wadden Sea Plan, SIMP, national laws and management plans.	TMAP, QSR, national monitoring activities	Ongoing	DK: Municip., NP, Culture & Palaces, Env. Min.: Nature Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min., BMUV, research institutes NL: LNV, I&W, WS Management Authority, NGOs and private municipalities	<p><b>Summary - completed</b></p> <p><b>12.2. Summary - Management Needs</b></p> <p><b>12.2.1. Summary - Management Needs</b></p> <p><b>5.1. Boundaries and Buffer Zones</b></p> <table border="1"> <thead> <tr> <th></th> <th>Actions</th> <th>Timeframe</th> <th>Lead agency (and others involved)</th> <th>More info / comment</th> </tr> </thead> <tbody> <tr> <td>• The property has <b>no buffer zone</b></td> <td>The property has no buffer zone do not need one (see nomination dossier)</td> <td>na</td> <td>na</td> <td>na</td> </tr> </tbody> </table>					Actions	Timeframe	Lead agency (and others involved)	More info / comment	• The property has <b>no buffer zone</b>	The property has no buffer zone do not need one (see nomination dossier)	na	na	na
	Actions	Timeframe	Lead agency (and others involved)	More info / comment																
• The property has <b>no buffer zone</b>	The property has no buffer zone do not need one (see nomination dossier)	na	na	na																
4.10.7	Other climate change impacts	Criteria 8,9,10 and all 10 attributes can be potentially affected.	Wadden Sea Plan, SIMP, national laws and management plans.	TMAP, QSR, national monitoring activities	Ongoing	DK: Municip., NP, Env. Min.: Nature Agency, Env. Prot. Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min., BMUV, coastal protection agencies, research institutes NL: LNV, I&W, WS Management Authority, NGOs and private municipalities	<p><b>5.2. Protective Measures</b></p> <table border="1"> <tbody> <tr> <td>• The property has <b>no buffer zone</b></td> <td>No buffer zone is needed</td> <td>Ongoing</td> <td>DK: Municip., NP, Culture &amp; Palaces, Env. Min.: Nature Agency, Env. Prot. Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min., wardening NGOs in each federal</td> <td>N/A</td> </tr> </tbody> </table>				• The property has <b>no buffer zone</b>	No buffer zone is needed	Ongoing	DK: Municip., NP, Culture & Palaces, Env. Min.: Nature Agency, Env. Prot. Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min., wardening NGOs in each federal	N/A					
• The property has <b>no buffer zone</b>	No buffer zone is needed	Ongoing	DK: Municip., NP, Culture & Palaces, Env. Min.: Nature Agency, Env. Prot. Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min., wardening NGOs in each federal	N/A																
4.12 Invasive/alien species or hyper-abundant species																				
4.12.2	Invasive/Alien terrestrial species	Criteria (attribute 5) Criteria x (attribute 8) may be impacted in dune and salt	NP Management Plans to support natural dynamic.	Regular monitoring of dune and salt marsh vegetation (TMAP, QSR). Trilateral MAPAS	Every 6 years.	DK: Env. Min.: Nature Agency, Env. Prot. Agency DE: NP, Env. Min.,	None													

				state, BMUV NL: LNV, I&W, WS Management Authority, NGOs and private, municipalities
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**Summary - Management Needs completed**

**12.3. Conclusions on the State of Conservation of the Property**

**12.3.1 - Following the analysis undertaken for this report, what is the current state of Authenticity of the World Heritage property?**

**Not applicable** (sites inscribed exclusively under criteria vii to x (natural World Heritage properties))

**12.3.2 - Following the analysis undertaken for this report, what is the current state of Integrity of the World Heritage property?**

The Integrity of the World Heritage property is **intact**

**12.3.3 - Following the analysis undertaken for this report, what is the current state of the World Heritage property's Outstanding Universal Value?**

The World Heritage property's Outstanding Universal Value has been **maintained**.

**12.3.4 - What is the current state of the property's other values?**

Other important cultural and/or natural values and the state of conservation of the World Heritage property are **intact**

**12.3.5 - Comments, conclusions and/or recommendations related to the state of conservation of the property.**

In conclusion, there is a number of factors affecting the property (current and potential) but appropriate monitoring and management is in place to ensure that the OUV maintained.

**13. Impact of World Heritage Status**

**13.1 - Please rate the impacts of World Heritage status of the property in relation to the following areas**

<b>Conservation</b>	Very positive
<b>Research and monitoring</b>	Very positive
<b>Management effectiveness</b>	Very positive
<b>Quality of life for local communities and indigenous peoples</b>	Very positive
<b>Recognition</b>	Very positive
<b>Education</b>	Very positive
<b>Infrastructure development</b>	Positive
<b>Funding for the property</b>	Very positive
<b>International cooperation</b>	Very positive
<b>Political support for conservation</b>	Very positive
<b>Legal/Policy framework</b>	Very positive
<b>Advocacy</b>	Positive
<b>Institutional coordination</b>	Very positive

<b>Security</b>	Very positive
<b>Gender equality</b>	Not applicable
<b>Provision of ecosystem services/ benefits to local communities</b>	Very positive
<b>Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status</b>	Not applicable
<b>Fostering inclusive local economic development and enhancing livelihood</b>	Very positive
<b>Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties</b>	Very positive
<b>Other</b>	Very positive
<b>If 'Other', please specify</b>	Transnational Cooperation

**13.2 - Comments, conclusions and/or recommendations related to World Heritage status and its impacts**

**14. Good Practice in the Implementation of the World Heritage Convention**

**14.1 - Example of good practice in World Heritage protection, identification, conservation or management at the property level**

1. Trilateral breeding bird action plan national action plans and activities to protect breeding birds. 2. Wadden Sea Flyway Initiative: Synchronous counts along the entire EAF, capacity building West-Africa. 3. Strategy for Sustainable tourism in the Wadden Sea World Heritage Destination and local action plans. 4. Wadden Sea Strategy on education for sustainable development and World Heritage interpretation, International Wadden Sea School (IWSS) 5. Restoration projects (Examples in and outside of the property, e.g. salt marsh restoration, seagrass restoration, building with nature (coastal defense). 6. Other examples for transformative change (sustainable tourism projects PROWAD Link, Wadenagenda, Nakuwa) 7. Multi-stakeholder strategic Partnership Hub engagement in projects like Dark Sky and sustainable port operations. National Park Partner programmes. 8. International cooperation: World Heritage Marine Sites, MoU Mauretania, MoU Korea. 9. Marine mammals: seal agreement under CMS: regional agreement between DK,DE&NL, joint Seal Management Plan. 10. Science and research: Trilateral research Programme, Trilateral Monitoring and Assessment Programme. 11. Communication material (whole property).

**14.2 - Define which topics are covered by this example of best practice at the property level**

Sustainable Development
Synergies
State of Conservation
Management
Governance
Capacity Building

## 15. Assessment of the Periodic Reporting Exercise

### 15.1. Relevance of Periodic Reporting

#### 15.1.1 - Has the Periodic Reporting process improved the understanding of the following?

The World Heritage Convention
The concept of Outstanding Universal Value
The property's Outstanding Universal Value
The concept of Integrity and/or Authenticity
The property's Integrity and/or Authenticity
Management effectiveness to maintain the Outstanding Universal Value
Monitoring and reporting

#### 15.1.2 - Please rate the follow-up to conclusions and recommendations from previous Periodic Reporting exercise by the following entities

State Party	Good
Site Managers	Good
UNESCO World Heritage Centre	Good
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Good

### 15.2. Use of Data

#### 15.2.1 - How do the authorities in charge of the property plan to use the data recorded from this cycle of Periodic Reporting?

Revision of priorities/strategies/policies for the protection, management and conservation of heritage
Update of management plans
Fundraising
Awareness raising
Advocacy

#### 15.2.2 - Comments on use of data from the Cycle of Periodic Reporting

### 15.3. Timing and resources

#### 15.3.1 - Entities involved in the filling out of this online questionnaire (tick as many boxes as applicable)

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff
Other specific groups
National nature conservation management authorities and agencies

#### 15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire?

Gender balance is explicitly considered and effectively implemented in the process.

#### 15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire?

Yes

#### 15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire

20 / 20 / 10 /

#### 15.3.5 - Did you mobilise any additional resources to fill out this questionnaire?

	Additional resources	No	Yes
15.3.5.1	Human resources	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.3.5.2	Financial resources for organizing consultation meetings/ training	<input checked="" type="checkbox"/>	<input type="checkbox"/>

### 15.4. Format and content of the Periodic Report

#### 15.4.1 - How accessible was the information required to complete this questionnaire?

Most required information was accessible.

#### 15.4.2 - Was the questionnaire easy to use and clear to understand?

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.4.2.2	Clarity of questions	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

#### 15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire

Enhanced guidance for questions, e.g. using concrete examples.

### 15.5. Training and Guidance

#### 15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Not applicable
UNESCO National Commission	Good
ICOMOS International	Not applicable
IUCN International	Good
ICCROM international/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable

#### 15.5.2 - Please rate the level of support for completing the Periodic Reporting questionnaire from the following entities

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good



UNESCO other sectors (e.g. field office)	Not applicable
National Commission for UNESCO	Good
ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	Not applicable

**15.5.3 - Were the online training resources prepared by the World Heritage Centre regarding Periodic Reporting adequate for you to complete this questionnaire?**

Yes

**15.5.4 - If you found that the online training resources were not adequate, what changes would you like to see implemented?**

**15.6. Actions that will require formal consideration by the World Heritage Committee**

**15.6.1 - Summary of actions that will require formal consideration by the World Heritage Committee**

No item were proposed for update

**15.7. Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise**

**15.7.1 - Comments, conclusions and/or recommendations related to the Assessment of the Periodic Reporting Exercise**

**15.7.2 - Thank you for having filled in all the questions. Please contact your National Focal Point for validation.**