# Wadden Sea

# 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 Resere, 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
Total (ha)		1143403	0	1143403	

# 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)

### 1. The Wadden Sea

#### 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/UCYRzxEiSHooIO34pDaiObsw

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) <u>is</u> designated and/or protected under this convention/programme	The World Heritage property (in whole or in part) <u>is not</u> designated and/or protected under this convention/programme
2.1.1	International Register of Cultural Property under Special Protection (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×
2.1.2	List of Cultural Property under Enhanced Protection (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		×

2.1.3	The List of Wetlands of International Importance (The Ramsar List) (Convention on Wetlands of International Importance (Ramsar Convention))	×	
2.1.4	World Network of Biosphere Reserves Man and the Biosphere (MAB) Programme	×	
2.1.5	Global Geoparks Network 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?

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

2.7.1	1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
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 occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.2	Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict	
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 occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	
2.7.3	Convention on Wetlands of International Importance (Ramsar Convention)	
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 occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	×
2.7.4	Man and the Biosphere (MAB) Programme	
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 occasionally communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager also manages this designation/programme.	×
2.7.5	UNESCO Global Geoparks	
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 occasionally communicates with the Focal Point(s) of this designation/programme.	×
2.7.3	The World Heritage Site Manager regularly communicates with the Focal Point(s) of this designation/programme.	
274	The World Heritage Site Manager also manages 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, AEWA, 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 AEWA 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 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	×			
3.2.10	Essential stopover for the East Atlantic Flyway	×			
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):

<ul> <li>Not relevant</li> </ul>
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Relevant	X Not relevant
<ul> <li>4.1.2 - Commercial development</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul> <li>4.1.3 - Industrial areas</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul> <li>4.1.4 - Major visitor accommodation and associated infras</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Relevant, Negative, Current, Outside</li> </ul>	tructure

× Relevant				Not relevant			
Impact O			Origin		Trend of impact		
Impact	Current	9 Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing
O Positive							

Negative X		×		<b>→</b>	
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# 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	4 Current	Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing
O Positive X	×		×	×		<b>→</b>	
Negative							

# 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
<ul> <li>4.2.2 - Underground transport infrastructure</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
4 2 3 - Air transport infrastructure	

#### 4.2.3 - Air transport infrastructure

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

• Relevant, Negative, Current, Outside

× Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing
O Positive							
Negative X	×			×		<b>→</b>	

## 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	4 Current	Potential	<ul> <li>Inside</li> </ul>	Outside	> Decreasing	⇒ Stable	Increasing	
O Positive								
Negative X	×		×	×		$\rightarrow$		

# 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	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing	
O Positive								
Negative X		×	×	×			1	

# 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

× Relevant			I	Not relevant				
	Impact		Origin		Trend of impact			
Impact	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	C Outside	Secreasing	⇒ Stable	Increasing	
O Positive								
Negative X	×			×		<b>→</b>		

### 4.3.2 - Renewable energy facilities

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

• Relevant, Negative, Potential, Outside

× Relevant			I	Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	Inside	Cutside	> Decreasing	⇒ Stable	Increasing
O Positive							
Negative X	×	×		×			1

#### 4.3.3 - Non-renewable energy facilities

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

• Relevant, Negative, Potential, Outside

× Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	Inside	C Outside	Solution Decreasing	⇒ Stable	Increasing
O Positive							
Negative X		×		×		<b>→</b>	

# 4.3.4 - Localised utilities

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

Relevant, Negative, Potential, Outside

Relevant			X Not relevant				
<ul> <li>4.3.5 - Major linear utilities</li> <li>Previous answer Cycle 2 (18/07,</li> <li>Relevant, Negative, Curre</li> </ul>	/2013):						
X Relevant			I	Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	Cutside	Solution Decreasing	⇒ Stable	Increasing
O Positive							
Negative 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 especifically 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			I	Not relevant					
	Impact		Origin		Trend of impact				
Impact	4 Current	9 Potential	Inside	Cutside	Secreasing	⇒ Stable	Increasing		
O Positive									
Negative X	×	×		×		<b>→</b>			
4.4.2 - Ground water pollut Previous answer Cycle 2 (18/07/ • Not relevant									
Relevant			X Not relevant						
<ul> <li>4.4.3 - Surface water pollut</li> <li>Previous answer Cycle 2 (18/07/</li> <li>Relevant, Negative, Poter</li> </ul>	2013):								
X Relevant				Not relevant					
	Impact		Origin		Trend of impact				
Impact	4 Current	9 Potential	Inside	Cutside	Solution Decreasing	⇒ Stable	Increasing		
O Positive									
Negative X		×		×		<b>→</b>			
4.4.4 - Air pollution Previous answer Cycle 2 (18/07/ • Not relevant	2013):								
Relevant			× Not relevant	X Not relevant					
<ul> <li>4.4.5 - Solid waste</li> <li>Previous answer Cycle 2 (18/07/</li> <li>Not relevant</li> </ul>	2013):								
Relevant			X Not relevant						
4.4.6 - Input of excess ener Previous answer Cycle 2 (18/07/ • Not relevant									
X Relevant			I	Not relevant					
	Impact		Origin		Trend of impact				
Impact	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing		
O Positive									
Negative X	×			×		$\rightarrow$			

# 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

× Relevant			Not relevant	
	Impact	Origin		Trend of impact

Impact	4 Current	9 Potential	Inside	Cutside	S Decreasing	⇒ Stable	Increasing
O Positive							
Negative X	×		×	×		$\rightarrow$	

# 4.5.2 - Aquaculture

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

• Relevant, Negative, Current, Inside

× Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	Current	9 Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing
O Positive							
Negative X	×		×			<b>→</b>	

#### 4.5.3 - Land conversion

#### Previous answer Cycle 2 (18/07/2013): Not relevant

Relevant	X Not relevant

# 4.5.4 - Livestock farming/Grazing of domesticated animals

- Previous answer Cycle 2 (18/07/2013):
  - Not relevant

X Relevant			I	Not relevant			
	Impact Origin		Origin	Origin Trend of in		d of impact	
Impact	Current	Potential	Inside	Cutside	Solution Decreasing	⇒ Stable	Increasing
O Positive X	×		×	×		$\rightarrow$	
Negative X	×		×	×		<b>→</b>	

### 4.5.5 - Crop production

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

Not relevant

Relevant	X Not relevant
<ul> <li>4.5.6 - Commercial wild plant collection</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul> <li>4.5.7 - Subsistence wild plant collection</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul><li>4.5.8 - Commercial hunting</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul><li>4.5.9 - Subsistence hunting</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant

# 4.5.10 - Forestry/Wood production

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

Not relevant

# 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			× Not relevan	t			
4.6.2 - Quarrying Previous answer Cycle 2 (18/07/ • Not relevant	2013):						
Relevant			× Not relevan	t			
<ul> <li>4.6.3 - Oil and gas</li> <li>Previous answer Cycle 2 (18/07/</li> <li>Relevant, Negative, Poter</li> </ul>							
X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	Coutside	✤ Decreasing	⇒ Stable	Increasing

#### 4.6.4 - Water (extraction)

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

Not relevant

🥥 Negative 🗙

× Not relevant

# 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

Relevant

- Previous answer Cycle 2 (18/07/2013):
  - Not relevant

Relevant	X Not relevant
<ul> <li>4.7.2 - Relative humidity</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul><li>4.7.3 - Temperature</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul><li>4.7.4 - Radiation/Light</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant

### 4.7.5 - Dust

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

Not relevant

Relevant	X Not relevant
<ul> <li>4.7.6 - Water (rain/water table)</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul><li>4.7.7 - Pests</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul> <li>4.7.8 - Micro-organisms</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant

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 X Not relevant

### 4.8.2 - Society's valuing of heritage

- Previous answer Cycle 2 (18/07/2013):
  - Relevant, Positive, Potential, Outside

× Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing
O Positive X	×	×		×			1
Negative							

### 4.8.3 - Indigenous hunting, gathering and collecting

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

Not relevant

Relevant

Relevant

× Not relevant

# 4.8.4 - Changes in traditional ways of life and knowledge system

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

Not relevant

🗙 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

× Relevant			I	Not relevant			
	Impact		Origin		Trend of impact		
Impact	Gurrent	Potential	Inside	Cutside	Solution Decreasing	⇒ Stable	Increasing
O Positive X	×	×		×		<b>→</b>	

Negative			

# 4.8.6 - Impacts of tourism/Visitation/Recreation

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

• Relevant, Positive, Negative, Potential, Inside, Outside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	Inside	Cutside	Solution Decreasing	⇒ Stable	Increasing
O Positive X	×	×	×	×			
Negative X	×	×	×	×		$\rightarrow$	

# 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.

#### 4.9. Other human activities

#### 4.9.1 - Illegal activities

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

Not relevant

Relevant	X Not relevant
<ul> <li>4.9.2 - Deliberate destruction of heritage</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul><li>4.9.3 - Military training</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul><li><b>4.9.4 - War</b></li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul><li>4.9.5 - Terrorism</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul> <li>4.9.6 - Civil unrest</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X 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

Relevant

X Not relevant

# 4.10.2 - Flooding

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

Not relevant

Relevant				Not relevant					
	Impact		Origin		Trend of impact				
mpact	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	C Outside	Solution Decreasing	⇒ Stable	Increasing		
O Positive									
Negative X		×	×	×			/		
10.3 - Drought evious answer Cycle 2 (18/ • Not relevant	07/2013):								
Relevant			× Not releva	X Not relevant					
10.4 - Desertification revious answer Cycle 2 (18/ • Not relevant	07/2013):								
Relevant			× Not releva	X Not relevant					
10.5 - Changes to ocea revious answer Cycle 2 (18/ • Relevant, Negative, Cu	07/2013):	tside							
× Relevant				Not relevant					
	Impact		Origin		Trend of impact				
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	Cutside	Solution Decreasing	⇒ Stable	Increasing		
O Positive									
Negative X	×	×	×	×					
10.6 - Temperature cha revious answer Cycle 2 (18/ • Not relevant	-								
× Relevant				Not relevant					
	Impact		Origin		Trend of impact				
Impact	4 Current	Potential	Inside	Outside	Solution Decreasing	⇒ Stable	Increasing		
O Positive									
	×	×	×	×			/		
Negative X									
<ul> <li>Negative X</li> <li>.10.7 - Other climate ch revious answer Cycle 2 (18/ <ul> <li>Not relevant</li> </ul> </li> </ul>									
<b>10.7 - Other climate ch</b> revious answer Cycle 2 (18/				Not relevant					
10.7 - Other climate ch revious answer Cycle 2 (18/ • Not relevant			Origin	Not relevant	Trend of impact				
10.7 - Other climate ch revious answer Cycle 2 (18/ • Not relevant * Relevant	07/2013):	Potential	Origin ③ Inside	Not relevant	Trend of impact	→ Stable	Increasing		
10.7 - Other climate ch revious answer Cycle 2 (18/ • Not relevant	07/2013): Impact	Potential				→ Stable	Increasing		

## 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. SIr 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

Relevant	X Not relevant
<ul><li>4.11.2 - Earthquake</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul><li>4.11.3 - Tsunami/Tidal wave</li><li>Previous answer Cycle 2 (18/07/2013):</li><li>Not relevant</li></ul>	
Relevant	X Not relevant
<ul> <li>4.11.4 - Avalanche/Landslide</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul> <li>4.11.5 - Erosion and siltation/Deposition</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant
<ul> <li>4.11.6 - Fire (wildfire)</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>	
Relevant	X Not relevant

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

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Current	9 Potential	Inside	Cutside	> Decreasing	⇒ Stable	Increasing
O Positive							
Negative X		×		×		<b>→</b>	

# 4.12.2 - Invasive/Alien terrestrial species

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

• Relevant, Negative, Potential, Outside

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	Inside	Cutside	> Decreasing	⇒ Stable	Increasing
O Positive							
Negative X	×	×	×	×		$\rightarrow$	

## 4.12.3 - Invasive/Alien freshwater species

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

Not relevant

× Not relevant

# 4.12.4 - Invasive/Alien marine species

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

• Relevant, Negative, Current, Potential, Outside

X Relevant	Relevant				Not relevant				
	Impact		Origin		Trend of impact				
Impact	4 Current	9 Potential	Inside	Cutside	Solution Decreasing	⇒ Stable	Increasing		
Positive									
Negative X	×	×		×		$\rightarrow$			
4.12.5 - Hyper-abundant sp Previous answer Cycle 2 (18/07/ • Not relevant									
Relevant			X Not relevant						
<ul> <li>4.12.6 - Modified genetic material</li> <li>Previous answer Cycle 2 (18/07/2013):</li> <li>Not relevant</li> </ul>									
Relevant			× Not relevant						

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

X Relevant				Not relevant				
	Impact		Origin		Trend of impact			
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	C Outside	Secreasing	⇒ Stable	Increasing	
O Positive X	×		×				1	
Negative								
4.42.2 Logal framework								

#### 4.13.2 - Legal framework

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	Outside	> Decreasing	⇒ Stable	Increasing
O Positive X	×		×			<b>→</b>	
Negative							

### 4.13.3 - Governance

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	Cutside	Solution Decreasing	⇒ Stable	Increasing
O Positive X	×		×				1
Negative							

# 4.13.4 - Management activities

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

Not relevant

X Relevant			Not relevant	
	Impact	Origin		Trend of impact

Impact	4 Current	Potential	<ul> <li>Inside</li> </ul>	C Outside	> Decreasing	⇒ Stable	Increasing
O Positive X	×		×			<b>→</b>	
Negative							

# 4.13.5 - Financial resources

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	Cutside	> Decreasing	⇒ Stable	Increasing
O Positive X	×		×				1
Negative							

### 4.13.6 - Human resources

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	4 Current	9 Potential	<ul> <li>Inside</li> </ul>	Cutside	> Decreasing	⇒ Stable	Increasing
O Positive X	×		×				
Negative							

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

- Previous answer Cycle 2 (18/07/2013):
  - Not relevant

X Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	Gurrent	Potential	<ul> <li>Inside</li> </ul>	Cutside	> Decreasing	⇒ Stable	Increasing
Positive X	×		×	×		<b>→</b>	
Negative							

# 4.13.8 - High impact research/monitoring activities

- Previous answer Cycle 2 (18/07/2013):
  - Not relevant

Relevant

× Not relevant

# 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	
4.1 Buildings and Development						
4.1.4 Major visitor accommodation and associated infrastructure						
	٢	4			Ċ	<b>→</b>
4.1.5 Interpretative and visitation facilities	٢	4		٢	Ċ	<b>→</b>

10 Terminan statistica Informations						
4.2 Transportation Infrastructure						
4.2.3 Air transport infrastructure						
	0	9			Ċ	<b>→</b>
4.2.4 Marine transport infrastructure						
		~~			~	
	9	9		٢	Ċ	<b>→</b>
4.2.5 Effects arising from use of transportation infrastructure						
	9		9	۲	Ċ	
4.3 Services Infrastructures						
4.3.1 Water infrastructure						
w.s. I water initiasu ucture						
	0	9			Ċ	<b>→</b>
4.3.2 Renewable energy facilities						
	0	9	9		Ċ	1
4.3.3 Non-renewable energy facilities						
4.3.3 Non-renewable energy facilities						
	0		9		Ċ	<b>→</b>
4.3.5 Major linear utilities						
	0	9		۲	G	
4.4 Pollution						
4.4 Polution						
4.4.1 Pollution of marine waters						
	0	9	9		G	<b>→</b>
4.4.3 Surface water pollution						
	0		9		14	_
	•		4		9	-
4.4.6 Input of excess energy						
	0	9			Ċ	<b>→</b>
4.5 Biological resource use/modification						
4.5.1 Fishing/collecting aquatic resources						
4.5.1 Fishing/collecting aquatic resources						
	0	9		٢	Ċ	<b>→</b>
4.5.2 Aquaculture						
	9	9		۲		<b>→</b>
4.5.4 Livestock farming/Grazing of domesticated animals	٢	4		۲	<i>(</i> <b>4</b>	_
4.5.4 Livestock farming/Grazing of domesticated animals	•			٩	9	-
	9	4		۲	Ċ	<b>→</b>
4.6 Physical resource extraction						
4.6.3 Oil and gas						
	0		4		19	
	-		-1		Ģ	
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage	٢	9	9		Ċ	
4.8.5 Identity, social cohesion, changes in local population and community	٢	9	4		19	
noo roonny, oolar concoron, enanges in rood population and community		-1	-1		Ģ	-
4.8.6 Impacts of tourism/Visitation/Recreation	٢	9	9	۲	Ċ	
	0	9	9	۲	G	<b>→</b>
4.10 Climate change and severe weather events						
4.10.2 Flooding						
	•		<i>•</i>			
	9		9	٢	Ċ	

4.10.5 Changes to oceanic waters									
				0	9	9	٢	Ċ	/
4.10.6 Temperature change									
				9	9	9	٢	Ċ	1
4.10.7 Other climate change impacts									
				9	9	9	٢	Ċ	1
4.12 Invasive/alien species or hyper-	abundant species								
4.12.1 Translocated species									
				0		9		Ċ	<b>→</b>
4.12.2 Invasive/Alien terrestrial spec	ies								
				9	9	9	۲	Ċ	$\rightarrow$
4.12.4 Invasive/Alien marine species									
				0	9	9		۴	<b>→</b>
4.13 Management and institutional fa	ictors								
4.13.1 Management system/Manager	nent plan			٢	9		۲		
4.13.2 Legal framework				0	4		۲		<b>→</b>
4.13.3 Governance				٢	9		۲		1
4.13.4 Management activities				٢	9		۲		
4. 13.4 Management activities				•	-1				~
4.13.5 Financial resources				٥	9		0		-
4.13.6 Human resources				٢	9		٢		
4.13.7 Low impact research/monitori	ng activities			٢	9		۲	Ċ	<b>→</b>
Legend	Potential	Negative	O Positive	<ol> <li>Insi</li> </ol>	de		C Outsi	de	
-		Ŭ							

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	ame Impact				Origin	Trend		
4.1.4 Majo	4.1.4 Major visitor accommodation and associated infrastructure							
		0	9			Ċ	<b>→</b>	
Creation and								
Spatial sca	ale - Area affected by the factor							
×	Restricted							
	Localised							
	Extensive							
	Widespread							
Temporal	Temporal scale - Occurence of the impact							

	One off or rare					
	Intermittent or sporadic					
	Frequent					
×	On-going					
Impact - Im	pact on the attributes					
	Insignificant					
×	Minor					
	Significant					
	Major					
Manageme	nt response - Capacity of management to respond					
×	High capacity					
	Medium capacity					
	Low capacity					
	No capacity and / or resources					
Trend - De	velopement over the last 6 years					
	Decreasing					
×	Static					
	Increasing					
Name		Impact		Origin		Trend
4.1.5 Interp	retative and visitation facilities	٢	4	٢	Ċ	<b>→</b>

Spatial sca	ale - Area affected by the factor
×	Restricted
	Localised
	Extensive
	Widespread
Temporal	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	npact on the attributes
	Insignificant
	Minor
×	Significant
	Major
Manageme	ent response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

Trend - Developement over the last 6 years						
	Decreasing					
×	Static					
	Increasing					

# 4.2 Transportation Infrastructure

Name		Impact			Origin		Trend
4.2.3 Air transport infrastructure							
		0	4			Ċ	<b>→</b>
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	cale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going .						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	relopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
						_	
Name	e transport infrastructure	Impact			Origin		Trend
		0	4		٩	Ċ	<b>→</b>
		•	,				
Spatial sca	le - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						

Temporal s	Temporal scale - Occurence of the impact				
	One off or rare				
	Intermittent or sporadic				
×	Frequent				
	On-going				
Impact - Im	pact on the attributes				
	Insignificant				
×	Minor				
	Significant				
	Major				
Manageme	nt response - Capacity of management to respond				
×	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend - De	velopement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				

Name	Impact		Origin			Trend
4.2.5 Effects arising from use of transportation infrastructure						
	0		9	۹	Ċ	1

Spatial sca	le - Area affected by the factor				
	Restricted				
×	Localised				
	Extensive				
	Widespread				
Temporal s	scale - Occurence of the impact				
	One off or rare				
	Intermittent or sporadic				
×	Frequent				
	On-going				
Impact - Im	spact on the attributes				
	Insignificant				
×	Minor				
	Significant				
	Major				
Manageme	Management response - Capacity of management to respond				
×	High capacity				
	Medium capacity				

Wadden Sea

Low capacity

	No capacity and / or resources						
Trend - De	Trend - Developement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						

# 4.3 Services Infrastructures

Name		Impact			Origin		Trend
4.3.1 Wate	4.3.1 Water infrastructure						
		0	9			۴	<b>→</b>
Spatial sca	ale - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal	scale - Occurence of the impact						
	One off or rare						
×	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - In	npact on the attributes						
	Insignificant						
×	Minor						
	Significant						
	Major						
Manageme	ent response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name		Impact			Origin		Trend
	wable energy facilities	inipact			ongin		Trenu
		0	щ	9		Ċ	
Spatial sca	ale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						

	Widespread
Temporal	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
×	Frequent
	On-going
Impact - Im	apact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	Int response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

# Name

Name	Impact		Origin		Trend	
4.3.3 Non-renewable energy facilities						
	٢		9		Ċ	<b>→</b>

# Spatial scale - Area affected by the factor

Restricted         Localised         Extensive         Widespread         Temporation         Prequent         Intermittent or sporadic         Frequent         On-going         Impart-to n the attributes         X         Insignificant         Minor         Significant         Management to respond         Major	Kealised         Excalised         Extensive         Widespread         Temport//>Extensive         One off or rare         Intermittent or sporadic         Intermittent or sporadic         On-going         Impact         Significant         Insignificant         Significant         Minor         Significant         Minor         High capacity of management to respond         Keapetity         High capacity	Spatial Sca	ie - Area affected by the factor
Extensive         Extensive         Videspread         Temporal         Temporal         Intermittent or sporadic         Intermittent or sporadic         Prequent         Intermittent or sporadic	ktensive       ktensive       Videspread       Femporat       ktensite       0ne off or rare       Intermittent or sporadic       prequent       On-going       Insignificant       Minor       ginificant       Minor       isignificant       Minor       Hagaer       Hagar       Hajor		Restricted
Widespread         Temporal	Widespread       Femporal       Currence of the impact       Minor       Insprificant       Minor       Significant       Minor       Significant       Minor	×	Localised
Temporal       Occurrence of the impact         Impact - Impact or sporadic       Intermittent or sporadic         Intermittent or sporadic       Frequent         On-going       Impact - Impact - Impact on the attributes         Impact - Impact - Impact on the attributes       Insignificant         Impact - Impact - Impact on the attributes       Impact - Impact on the attributes         Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact on the attributes         Impact - Impact - Impact - Impact on the attributes       Impact	Temporal Secure of the impact         Impact Secure of the impact         Intermittent or sporadic         Intermittent or sporadic         Frequent         On-going         Impact Secure of the attributes         Impact Impact Impact Impact Impact         Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact Impact I		Extensive
X       One off or rare         Intermittent or sporadic         Frequent         On-going         Impact - Intributes         X       Insignificant         Minor         Significant         Magor	Impact -		Widespread
Internitient or sporadic         Frequent         On-going         Impart - Ur the attributes         Insignificant         Minor         Significant         Major	Intermittent or sporadic       Frequent       On-going       Impact - Ute attributes       Insignificant       Minor       Significant       Mijor       Insignificant       Hip capacity of management to respond       Imagement to respond       Imagement to respond	Temporal s	scale - Occurence of the impact
Frequent         On-going         Impact - to the attributes         Insignificant         Minor         Significant         Major	Frequent       on-going       Impact - Unitatity to the attributes       insignificant       Minor       Significant       Major	×	One off or rare
On-going         Impact - Impact - Impact on the attributes         Insignificant         Minor         Significant         Major	on-going       Impact - Impact - Impact on the attributes       Impact - Impact - Impact - Impact on the attributes       Impact - Impact		Intermittent or sporadic
Impact - Impact on the attributes         Image: Impact - Impact on the attributes         Image: Impact - Impact on the attributes         Impact - Impact - Impact on the attributes         Impact - Impact - Impact on the attributes	Impact - Impact on the attributes         Imaginificant         Minor         Significant         Major         Management to respond         X       High capacity		Frequent
Insignificant         Minor         Significant         Major	Insignificant       Minor       Significant       Major       Management to respond       X     High capacity		On-going
Minor Significant Major Management response - Capacity of management to respond	Minor       Significant       Major         Management to respond       X     High capacity	Impact - Im	pact on the attributes
Significant Major Management response - Capacity of management to respond	Significant       Major       Management to respond       X     High capacity	×	Insignificant
Major Management response - Capacity of management to respond	Major       Management response - Capacity of management to respond       X     High capacity		Minor
Management response - Capacity of management to respond	Management response - Capacity of management to respond         X       High capacity		Significant
	X High capacity		Major
		Manageme	nt response - Capacity of management to respond
X High capacity		×	High capacity
Medium capacity	Medium capacity		Medium capacity

	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

Name		ł	Origin		Trend
4.3.5 Major linear utilities					
	0	9	٢	Ċ	1

### Spatial scale - Area affected by the factor

Spatial sca	le - Area affected by the factor
	Restricted
×	Localised
	Extensive
	Widespread
Temporal s	scale - Occurence of the impact
	One off or rare
×	Intermittent or sporadic
	Frequent
	On-going
Impact - Im	apact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

# 4.4 Pollution

Name	Impact			Origin		Trend
4.4.1 Pollution of marine waters						
	٢	9	9		Ċ	<b>→</b>
Overlight and a first of her the factor						
Spatial scale - Area affected by the factor						
Restricted						
Localised						

×	Extensive
	Widespread
Temporal	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
×	Frequent
	On-going
Impact - In	npact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Managem	ent response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	evelopement over the last 6 years
	Decreasing
×	Static
	Increasing

Name	Impact		Origin		Trend
4.4.3 Surface water pollution					
	9	9		Ċ	$\rightarrow$

Spatial sca	Spatial scale - Area affected by the factor					
×	Restricted					
	Localised					
	Extensive					
	Widespread					
Temporal	scale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Im	Impact - Impact on the attributes					

Impact - In	Impact - Impact on the attributes				
	Insignificant				
×	Minor				
	Significant				
	Major				
_	ent response - Capacity of management to respond				

× High capacity

	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

Name	Impact		t .		Impact			Trend
4.4.6 Input of excess energy								
	0	9			Ċ	<b>→</b>		

# Spatial scale - Area affected by the factor

•	
×	Restricted
	Localised
	Extensive
	Widespread
Temporal s	icale - Occurence of the impact
	One off or rare
×	Intermittent or sporadic
	Frequent
	On-going
Impact - Im	pact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement 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						
	0	9		٢	٢	<b>→</b>
Spatial scale - Area affected by the factor						
Restricted						

	Localised				
×	Extensive				
	Widespread				
Temporal	scale - Occurence of the impact				
	One off or rare				
	Intermittent or sporadic				
×	Frequent				
	On-going				
Impact - In	npact on the attributes				
	Insignificant				
	Minor				
×	Significant				
	Major				
Managem	ent response - Capacity of management to respond				
×	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend - De	velopement over the last 6 years				
	Decreasing				
×	Static				
	Increasing				
Name		Impact		Origin	Trend
4.5.2 Aqua	culture		~		
		0	4	٢	<b>→</b>
Spatial sc	ale - Area affected by the factor				
×	Restricted				
	Localised				
	Extensive				
	Widespread				
Temporal	scale - Occurence of the impact				
	One off or rare				

	One off or rare
	Intermittent or sporadic
×	Frequent
	On-going
Impact - Im	pact 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 - Dev	velopement over the last 6 years
Trend - Dev	Velopement over the last 6 years Decreasing
Trend - Dev	

Name	Impact		Origin		Trend	
4.5.4 Livestock farming/Grazing of domesticated animals	٢	9		۲	Ċ	<b>→</b>
	0	9		٢	Ċ	<b>→</b>

Spatial sca	le - Area affected by the factor
×	Restricted
	Localised
	Extensive
	Widespread
Temporal s	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
×	Frequent
	On-going
Impact - Im	pact on the attributes
×	Insignificant
	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
×	Static

Increasing

# 4.6 Physical resource extraction

Name	Impact		Origin		Trend
4.6.3 Oil and gas					
	0	9		Ċ	<b>→</b>
Spatial scale - Area affected by the factor					

×	Restricted
	Localised
	Extensive
	Widespread
Temporal s	cale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	pact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

# 4.8 Social/Cultural uses of heritage

Name	Vame				Origin		Trend
4.8.2 Socie	4.8.2 Society's valuing of heritage		9	9		Ċ	/
Spatial sca	le - Area affected by the factor						
	Restricted						
	Localised						
	Extensive						
×	Widespread						
Temporal s	cale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going						
Impact - Im	pact on the attributes						
	Insignificant						
×	Minor						
	Significant						

Major

Management as a second of the second se	
Management response - Capacity of management to respond	

wanageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

Name		Impact			npact Origin		
	tity, social cohesion, changes in local population and community	•	9	9			Trend →
Spatial s	cale - Area affected by the factor						
	Restricted						
×	Localised						
	Extensive						
	Widespread						
Tempora	scale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going						
Impact -	mpact on the attributes						
	Insignificant						
×	Minor						
	Significant						
	Major						
Managen	nent response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - D	evelopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
Name		Impac	•		Origin		Trend

Name	Impact			Origin	Trend	
4.8.6 Impacts of tourism/Visitation/Recreation	٢	9	9	٢	Ċ	1
	0	9	9	٢	Ċ	$\rightarrow$

Spatial sca	ale - Area affected by the factor
	Restricted
×	Localised
	Extensive
	Widespread
Temporal	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - In	npact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	ent response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

# 4.10 Climate change and severe weather events

Name	Name		Origin			Trend
4.10.2 Floo	ding					
		0	9	٢	۴	1
Spatial sca	le - Area affected by the factor					
	Restricted					
×	Localised					
	Extensive					
	Widespread					
Temporal s	cale - Occurence of the impact					
	One off or rare					
×	Intermittent or sporadic					
	Frequent					
	On-going					
Impact - Im	pact on the attributes					
	Insignificant					
×	Minor					

Significant Major

# Management response - Capacity of management to respond

manageme	
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing

	Static
×	Increasing

Name	Impact		Origin		Trend	
4.10.5 Changes to oceanic waters						
	0	9	9	٢	Ċ	

### Spatial scale - Area affected by the factor

Spatial sca	le - Area affected by the factor			
	Restricted			
	Localised			
	Extensive			
×	Widespread			
Temporal s	scale - Occurence of the impact			
	One off or rare			
	Intermittent or sporadic			
	Frequent			
×	On-going			
Impact - Im	pact on the attributes			
	Insignificant			
	Minor			
×	Significant			
	Major			
Manageme	nt response - Capacity of management to respond			
	High capacity			
	Medium capacity			
	Low capacity			
×	No capacity and / or resources			
Trend - De	velopement over the last 6 years			
	Decreasing			
	Static			
×	Increasing			
				_
Name		Impact	Origin	Trend
4.10.6 Tem	perature change			

		9	9	9	٢	Ċ	1
Spatial s	scale - Area affected by the factor						
	Restricted						
	Localised						
	Extensive						
×	Widespread						
Tempora	al scale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going						
Impact -	Impact on the attributes						
	Insignificant						
	Minor						
×	Significant						
	Major						
Manager	ment response - Capacity of management to respond						
	High capacity						
	Medium capacity						
	Low capacity						
×	No capacity and / or resources						
Trend - I	Developement over the last 6 years						
	Decreasing						
	Static						
×	Increasing						

Name	Impact	t Origin			Trend	
4.10.7 Other climate change impacts						
	0	9	9	۲	Ċ	

# Spatial scale - Area affected by the factor

Restricted       Localised       Extensive       X       Widespread       Temporal       Cone off or rare       Intermittent or sporadic       Y       Prequent       Impact-Extended       Impact-Extended       Insignificant       X       Mior		•
ktensive       ktensive       Videspread       remport - Occurence of the impact       one off or rare       intermittent or sporadic       requent       rouge of the impact       intermittent or sporadic       intermittent or sporadic		Restricted
<ul> <li>Widespread</li> <li>Femporal</li> <li>One off or rare</li> <li>Intermittent or sporadic</li> <li>Frequent</li> <li>On-going</li> <li>Impact - to the attributes</li> <li>Insignificant</li> </ul>		Localised
Temporal scale       Occurence of the impact         One off or rare       Intermittent or sporadic         Intermittent or sporadic       Frequent         X       On-going         Impact - tributes       Insignificant		Extensive
One off or rare         Intermittent or sporadic         Frequent         On-going         Impact - tributes         Insignificant	×	Widespread
Intermittent or sporadic       Frequent       X     On-going       Impact - Impact on the attributes       Insignificant	Temporal s	cale - Occurence of the impact
Frequent       X     On-going       Impact - Impact - to the attributes       Insignificant		One off or rare
X On-going   Impact - Impact on the attributes Insignificant		Intermittent or sporadic
Impact - Impact on the attributes Insignificant		Frequent
Insignificant	×	On-going
	Impact - Im	pact on the attributes
X Minor		Insignificant
	×	Minor

	Significant
	Major
Manageme	nt response - Capacity of management to respond
	High capacity
	Medium capacity
×	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

# 4.12 Invasive/alien species or hyper-abundant species

Name		Impact		Origin		Trend	
4.12.1 Tran	slocated species						
		0	9		Ċ	<b>→</b>	
Spatial sca	le - Area affected by the factor						
×	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal s	scale - Occurence of the impact						
×	One off or rare						
	Intermittent or sporadic						
	Frequent						
	On-going						
Impact - Im	pact on the attributes						
×	Insignificant						
	Minor						
	Significant						
	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - Dev	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						
				_		_	
Name		Impact		Origin		Trend	

### 4.12.2 Invasive/Alien terrestrial species

9	9	9	۲	۴	<b>→</b>

Spatial sca	ale - Area affected by the factor
×	Restricted
	Localised
	Extensive
	Widespread
Temporal	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	npact on the attributes
	Insignificant
×	Minor
	Significant
	Major
Manageme	ent response - Capacity of management to respond
	High capacity
×	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static

Increasing

Name	Impac	t		Origin		Trend	
4.12.4 Invasive/Alien marine species							
	9	9	9		Ċ	<b>→</b>	

# Spatial scale - Area affected by the factor

	Restricted
	Localised
×	Extensive
	Widespread
Temporal s	cale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	pact on the attributes
	Insignificant

×	Minor
	Significant
	Major
Manageme	ent response - Capacity of management to respond
	High capacity
×	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

# 4.13 Management and institutional factors

			_		 
Name	Impac			Origin	Trend
4.13.1 Management system/Management plan	٥	9		٩	
Spatial scale - Area affected by the factor					
Restricted					
Localised					
Extensive					
X Widespread					
Temporal scale - Occurence of the impact					
One off or rare					
Intermittent or sporadic					
Frequent					
X On-going					
Impact - Impact on the attributes					
Insignificant					
Minor					
X Significant					
Major					
Management response - Capacity of management to respond					
X High capacity					
Medium capacity					
Low capacity					
No capacity and / or resources					
Trend - Developement over the last 6 years					
Decreasing					
Static					
× Increasing					

Name		Impact	t		Origin		Trend
4.13.2 Leg	al framework	٢	9		٢		<b>→</b>
Spatial sca	patial scale - Area affected by the factor						
	Restricted						
	Localised						
	Extensive						
×	Widespread						
Temporal	scale - Occurence of the impact						
	One off or rare						
	Intermittent or sporadic						
	Frequent						
×	On-going						
Impact - In	pact on the attributes						
	Insignificant						
	Minor						
	Significant						
×	Major						
Manageme	nt response - Capacity of management to respond						
×	High capacity						
	Medium capacity						
	Low capacity						
	No capacity and / or resources						
Trend - De	velopement over the last 6 years						
	Decreasing						
×	Static						
	Increasing						

Name	Impact			Origin	Trend
4.13.3 Governance		9		٢	1

# Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
×	Widespread
Temporal s	scale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	apact on the attributes

	Insignificant
	Minor
	Significant
×	Major
Manageme	Int response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

Name	Impact	Impact		Origin		Trend
4.13.4 Management activities	٢	9		۲		$\rightarrow$

# Spatial scale - Area affected by the factor

Spatial sca	le - Area affected by the factor
	Restricted
	Localised
	Extensive
×	Widespread
Temporal s	cale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	pact on the attributes
	Insignificant
	Minor
	Significant
×	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	Decreasing
×	Static
	Increasing

Name	Impact	Origin	Trend

4.13.5 Finai	4.13.5 Financial resources		9	٢	
Spatial sca	le - Area affected by the factor				
	Restricted				
	Localised				
	Extensive				
×	Widespread				
Temporal s	cale - Occurence of the impact				
	One off or rare				
	Intermittent or sporadic				
	Frequent				
×	On-going				
Impact - Im	pact on the attributes				
	Insignificant				
	Minor				
×	Significant				
	Major				
Manageme	nt response - Capacity of management to respond				
×	High capacity				
	Medium capacity				
	Low capacity				
	No capacity and / or resources				
Trend - Dev	elopement over the last 6 years				
	Decreasing				
	Static				
×	Increasing				

Name	Impact		Origin		Trend	
4.13.6 Human resources	٢	9		۲		1

# Spatial scale - Area affected by the factor

-	
	Restricted
	Localised
	Extensive
×	Widespread
Temporal s	cale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
	Frequent
×	On-going
Impact - Im	pact on the attributes
	Insignificant
	Insignificant

	Minor
×	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - De	velopement over the last 6 years
	Decreasing
	Static
×	Increasing

Name	Impact			Origin		Trend
4.13.7 Low impact research/monitoring activities	•	9		۲	Ċ	<b>→</b>

# Spatial scale - Area affected by the factor

•	
	Restricted
	Localised
×	Extensive
	Widespread
Temporal s	cale - Occurence of the impact
	One off or rare
	Intermittent or sporadic
×	Frequent
	On-going
Impact - Im	pact on the attributes
	Insignificant
	Minor
×	Significant
	Major
Manageme	nt response - Capacity of management to respond
×	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Dev	velopement over the last 6 years
	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	×			
4.18.1.4	8. High typical biodiversity	×			
4.18.1.5	9. Migratory birds	×			

#### 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 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 (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 Other

# If 'Other', please specify

Transnational

#### 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					×
5.3.15.2	Local authorities					×
5.3.15.3	Landowners in the property and the buffer zone				×	
5.3.15.4	Indigenous peoples	×				
5.3.15.5	Women		×			
5.3.15.6	Other specific groups					×
	If you selected, 'Other specific groups' please specify	Interest groups	involved in advisory boards ir	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					×
5.3.16.2	Local/Municipal authorities					×
5.3.16.3	Indigenous peoples	×				
5.3.16.4	Landowners				×	
5.3.16.5	Women	×				
5.3.16.6	Youth/Children					×
5.3.16.7	Researchers					×
5.3.16.8	Local Visitors/Tourists					×
5.3.16.9	National/International tourists					×
5.3.16.10	Tourism Industry					×
5.3.16.11	Local businesses and industries					×
5.3.16.12	NGOs					×
5.3.16.13	Other specific groups	×				
	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	×				
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)					×
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					×
5.3.17.4	The management system of the property integrates a human rights-based approach					×
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood					×
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					×

#### 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

### 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
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?

Yes, using a different system

# If a different system, please specify

Quality Status Reports

# 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?

Yes

If 'Yes', please specify

National Park partner and ambassadeur programmes, other initiatives (e.g. plastic free community (NL)

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

# If 'Yes', please specify

Local SMEs in partnership programmes, The area is well developed for tourism, providing the main livelihood in and around may parts of the world heritage, also tourism has enabled many social benefits like preserving and sharing local culture, both active and in museums

#### 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				×
10.3.2	Effectiveness of the management system				×
10.3.3	Character of governance				×
10.3.4	Appropriate synergy with other conservation designations				×
10.3.5	Contribution to sustainable development				×
10.3.6	Capacity development				×

### 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:

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Good
Local communities	Fair
Indigenous peoples	Not applicable
Landowners	Fair
Women	Not applicable
Researchers	Good
Tourism industry	Fair
Local businesses and industry	Fair
NGOs	Good
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

### 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 no buffer zone	×					
5.1.4	The property has no known and recognised buffer zone	×					
5.2	Protective Measures						
5.2.4	The property has no buffer zone	×					
Please select 0	Please select 0 more issues.						
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

4.1	Buildings and	Buildings and Development											
4.1.4	Major visitor accommodation and associated infrastructure	Restricted negative effect of Criteria, attributes 1,2,4,5,6,7,8,9,10. Interpret facilities have a possitive widespread effect on criteri 10, specific attributes: 7,8,8	national laws (permittir procedures, EIA) and management plans. a 9 and					Cult Min Prot DE: Min in e NL: Mar NG		DK: Municipalities, NP, Culture & Palaces, Env. Min.: Nature Agency, Env. Prot. Agency, Coast. Auth DE: NP, Environmental Ministries, wardening NGOs n each federal state, BMUV NL: LNV, I&W, WS Management Authority, NGOs and private, municipalities		-	
4.4	Pollution												
4.4.1		Pollution of marine waters											
4.5	Biological res	ource use/modification											
4.5.1	•	aquatic resources attributes 6,7,8. Fisher			nework for Sustainable Regular monitoring in ary Fisheries. National TMAP latons and agreements.		Ongoing		DK: Env. Min NPs, Env. Mi agencies, NL	n. and			
4.6	Physical reso	urce extraction											
4.6.3	Oil and gas	Localised negative effect especially on criteria 9 and 10, but also on 8. all 10 attributes are affected.	national I procedur	Sea Plan, S aws (permit es, EIA) and nent plans.	ting		P, QSR, national oring activities	Ong	going	Palace Agence Coast NP, E NGOs BMUV	lunicip., NP, Cu es, Env. Min.: N cy, Env. Prot. A; Auth, Min. Del nv. Min., warde s in each federa / NL: LNV, I&W gement Authori rivate, municipa	lature gency, f. DE: ning I state, , WS ty, NGOs	
4.8	Social/Cultura	al uses of heritage											

4.8.6	Impacts of tourism/Visitation/Recr		can be potentially affected by impacts of tourism, visitation and recreation (directly or planning). Sustainable Tou		ee, are compiled and d (a.o. assessed in regular Quality Status Reports. tial Monitoring of tourism		Min.: Prot. Min. Min., each NL: I Man: NGC	DK: Municip., NPV, Env. Min.: Nature Agency, Env. Prot. Agency, Coast. Auth Min. Def. DE: NP, Env. Min., wardening NGOs in each federal state, BMUV NL: LNV, I&W, WS Management Authority, NGOs and private, municipalities	
4.10	Climate change a	and severe weather events							
4.10.5	Changes to oceanic waters	Criteria 8,9,10 and all 10 attributes can be potentiall affected by change of wate temperature.		temperat	monitoring of wat ture is carried out e entire porperty		A A N E a	DK: Env. Min. Agency, Env. Agency, Coas Min. Def. DE: Env. Min. and agencies, BSI &W, RWS	Prot. .t. Auth, NPs,
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.		ISR, national Ig activities	Ongoing	Palaces, Agency, Coast. A NPs, Env research I&W, WS	hicip., NP, Cul , Env. Min.: N Env. Prot. Ag uth, Min. Def, v. Min., BMU h institutes NL & Managemer r, NGOs and p alities	ature jency, . DE: /, : LNV, nt
4.10.7	Other climate change impacts	10 attributes can be	Wadden Sea Plan, SIMP, national laws and management plans.	TMAP, QS monitoring		Ongoing	Nature Ag Agency, C Def. DE: I BMUV, co agencies, NL: LNV,	nent Authority id private,	Yrot. Min. n., ion titutes
4.12	Invasive/alien sp	ecies or hyper-abundant sp	ecies						
4.12.2	Invasive/Alien terrestrial species		NP Management Plans to support natural dynamic.	dune and	nonitoring of salt marsh n (TMAP, QSR). MAPAS	Every 6 years.	DK: Env. I Nature Ag Env. Prot. DE: NP, E NL: LNV, RWS	gency, . Agency Env. Min.,	None
4.12.4	Invasive/Alien marine species	All criteria and attributes.		-	acific oyster	Ongoing	En NP LN	.: Nature Age nv. Prot. Agen Ps, Env. Min., IV, I&E RWS, esearch institu	cy DE: NL:
Question r	ot completed								

# 12.2. Summary - Management Needs

# 12.2.1 - Summary - Management Needs

5.1	Boundaries and Buffer Zones						
		Actions	Timeframe	Lead agency (and others involved)	More info / comment		
5.1.3	The property has <b>no buffer</b> <b>zone</b>	The property has no buffer zone do not need one (see nomination dossier)	na	na	na		
5.1.4	The property has no known and recognised buffer zone	The property has no buffer zone does not need one (see nomination dossier). Therefore the questions is not applicable.	NA	NA	NA		
5.2	Protective Me	asures					

5.2.4 The property has no buffer zone is needed Ongoing Zone Ongoing	DK: Municip., NP, Culture & Palaces, Env. Min.: N/A Nature Agency, Env. Prot. Agency, Coast. Auth, Min. Def. DE: NPs, Env. Min., wardening NGOs in each federal state, BMUV NL: LNV, I&W, WS Management Authority, NGOs and private, municipalities
----------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

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

Conservation	Very positive
Research and monitoring	Very positive
Management effectiveness	Very positive
Quality of life for local communities and indigenous peoples	Very positive
Recognition	Very positive
Education	Very positive
Infrastructure development	Positive
Funding for the property	Very positive
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	Very positive
Advocacy	Positive
Institutional coordination	Very positive
Security	Very positive
Gender equality	Not applicable
Provision of ecosystem services/ benefits to local communities	Very positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	Not applicable
Fostering inclusive local economic development and enhancing livelihood	Very positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Very positive
Other	Very positive
If 'Other', please specify	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 Mauretiania, 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

**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	×	
15.3.5.2	Financial resources for organizing consultation meetings/ training	×	

#### 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			×	
15.4.2.2	Clarity of questions			×	

## 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.