

# Jeju Volcanic Island and Lava Tubes

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property



Jeju Volcanic Island and Lava Tubes

### 1.2 - World Heritage property details

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Hallasan Natural Reserve	33.359 / 126.525	9093.1	7347.4	16440.5	2007
Geomunoreum Lava Tube System - 1	33.441 / 126.719	64.6	1859.8	1924.4	2007
Geomunoreum Lava Tube System - 2	33.469 / 126.72	23.8	?	23.8	2007
Geomunoreum Lava Tube System - 3	33.556 / 126.786	241.9	?	241.9	2007
Geomunoreum Lava Tube System - 4	33.501 / 126.752	40.5	?	40.5	2007
Geomunoreum Lava Tube System - 5	33.486 / 126.742	6.1	?	6.1	2007
Seongsan Ilchulbong Tuff Cone	33.458 / 126.942	51.8	117	168.8	2007
<b>Total (ha)</b>		<b>9521.8</b>	<b>9324.2</b>	<b>18846</b>	

### 1.4 - Map(s)

Title	Date	Link to source
Jeju Volcanic Island and Lava Tubes - Maps of the inscribed components	2007	
Jeju Volcanic Island and Lava Tubes - Map of the approved minor boundary modification of the Geomunoreum Lava Tube System	2018	

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

1. [jejuwnh.jeju.go.kr](http://jejuwnh.jeju.go.kr)
2. [Korea Tourism Organization](#)
3. [Cultural Heritage Administration](#)

## 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	<b>International Register of Cultural Property under Special Protection</b> (1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✕
2.1.2	<b>List of Cultural Property under Enhanced Protection</b> (Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict)		✕
2.1.3	<b>The List of Wetlands of International Importance (The Ramsar List)</b> (Convention on Wetlands of International Importance (Ramsar Convention))	✕	
2.1.4	<b>World Network of Biosphere Reserves</b> Man and the Biosphere (MAB) Programme	✕	
2.1.5	<b>Global Geoparks Network</b> UNESCO Global Geoparks	✕	

## 2.2 - Please provide comments on 2.1 if necessary

### 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?

Not applicable

### 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?

Not applicable

## 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 <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
2.7.2	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 <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
2.7.3	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 <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	✕
2.7.4	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 <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	✕
2.7.5	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 <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	✕

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

### 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?

No

### 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?

No

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

## 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

Jeju Volcanic Island and Lava Tubes is a coherent serial property comprising three components. The unequalled quality of the Geomunoreum lava tube system and the exhibition of diverse and accessible volcanic features in the other two components demonstrate a distinctive and important contribution to the understanding of global volcanism.

**Criterion (vii):** The Geomunoreum lava tube system, which is regarded as the finest such cave system in the world, has an outstanding visual impact even for those experienced with such phenomena. It displays the unique spectacle of multi-coloured carbonate decorations adorning the roofs and floors, and dark-coloured lava walls, partially covered by a mural of carbonate deposits. The fortress-like Seongsan Ilchulbong tuff cone, with its walls rising out of the ocean, is a dramatic landscape feature, and Mount Halla, with its array of textures and colours through the changing seasons, waterfalls, display of multi-shaped rock formations and columnar-jointed cliffs, and the towering summit with its lake-filled crater, further adds to the scenic and aesthetic appeal.

**Criterion (viii):** Jeju has a distinctive value as one of the few large shield volcanoes in the world built over a hot spot on a stationary continental crust plate. It is distinguished by the Geomunoreum lava tube system, which is the most impressive and significant series of protected lava tube caves in the world and includes a spectacular array of secondary carbonate speleothems (stalactites and other decorations), with an abundance and diversity unknown elsewhere within a lava cave. The Seongsan Ilchulbong tuff cone has exceptional exposures of its structural and sedimentological characteristics, making it a world-class location for understanding Surtseyan-type volcanic eruptions.

The property is well managed and resourced, with a management plan in place for the period 2006-2010 and resources for its implementation. Key management issues include avoiding potential agricultural impact on the underground environment and managing the high number of visitors to the property. There is potential for further extension of the property to include other significant lava tube systems and volcanic features of Jeju.

### 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	Axis of Jeju volcanic island and lava tubes	×			
3.2.2	Size and landscape of the lava tubes	×			
3.2.3	Secondary carbonate speleothems of the lava tubes	×			
3.2.4	Landscape and internal structure of Seongsan Ilchulbong Tuff Cone	×			
3.2.5	Topography and ecosystem of Mt. Hallasan	×			
3.2.6		×			
3.2.7					
3.2.8					
3.2.9					
3.2.10					
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 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕			↗

#### 4.1.2 - Commercial development

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕			↗

#### 4.1.3 - Industrial areas

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕			↗

#### 4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕			✕			↗
➖ Negative ✕		✕		✕			↗

#### 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Current, Potential, Inside, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕		✕	✕			↗
➖ 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

Visiting information centers are installed in each heritage district to promote the OUV to visitors, and there are also free commentary activities by heritage interpreter are assigned.

### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕			↗

#### 4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✕ Not relevant
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#### 4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕		→	

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

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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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

### 4.3. Services Infrastructures

#### 4.3.1 - Water infrastructure

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕		✕		✕			↗
➖ Negative ✕		✕		✕			↗

#### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕		✕		✕			↗
➖ Negative ✕		✕		✕			↗

### 4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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### 4.3.4 - Localised utilities

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Current, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕	✕	✕		✕			📈

### 4.3.5 - Major linear utilities

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕		✕		✕			📈

### 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

## 4.4. Pollution

### 4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕		✕		✕		➡	

### 4.4.2 - Ground water pollution

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing
🟢 Positive							
🔴 Negative ✕		✕		✕			📈

### 4.4.3 - Surface water pollution

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant
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	Impact		Origin		Trend of impact		
Impact	🔴 Current	🟡 Potential	🟢 Inside	🟢 Outside	📉 Decreasing	➡ Stable	📈 Increasing

Positive							
Negative							

#### 4.4.4 - Air pollution

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.4.5 - Solid waste

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	Not relevant
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#### 4.4.6 - Input of excess energy

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	Not relevant
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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

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	Not relevant
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#### 4.5.2 - Aquaculture

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.5.3 - Land conversion

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside














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

#### 4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside



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

#### 4.5.5 - Crop production

Previous answer Cycle 2 (31/07/2011):

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

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

#### 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant				 Not relevant			
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#### 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.5.8 - Commercial hunting

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant				 Not relevant			
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#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant				 Not relevant			
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#### 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

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

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

### 4.6. Physical resource extraction

#### 4.6.1 - Mining

Previous answer Cycle 2 (31/07/2011):

- Not relevant



Relevant	✕ Not relevant
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#### 4.6.2 - Quarrying

Previous answer Cycle 2 (31/07/2011):

- Not relevant

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

#### 4.6.3 - Oil and gas

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.6.4 - Water (extraction)

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✕ Not relevant
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#### 4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

#### 4.7. Local conditions affecting physical fabric

##### 4.7.1 - Wind

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

##### 4.7.2 - Relative humidity

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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##### 4.7.3 - Temperature

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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##### 4.7.4 - Radiation/Light

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

4.7.5 - Dust

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕		→	

4.7.7 - Pests

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕		→	

4.7.8 - Micro-organisms

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕		→	

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 (31/07/2011):

- Relevant, Negative, Potential, Outside






✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕		✕	✕		→	
➖ Negative ✕		✕	✕	✕		→	

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

✕ Relevant	Not relevant						
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔨 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing

Positive 							
Negative 							

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

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	 Not relevant
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#### 4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	 Not relevant
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#### 4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Current, Potential, Inside, Outside

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

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

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

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

#### 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

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	 Not relevant
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##### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (31/07/2011):

- Not relevant

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

##### 4.9.3 - Military training

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	 Not relevant
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4.9.4 - War

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
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4.9.5 - Terrorism

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.9.6 - Civil unrest

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ 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 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

4.10.2 - Flooding

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

4.10.3 - Drought

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

4.10.4 - Desertification

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕	Negative ✕	✕		→	

#### 4.10.6 - Temperature change

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕			↗

#### 4.10.7 - Other climate change impacts

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕			↗

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

Since the heritage area is composed of volcanic terrain such as volcanoes and lava caves, there is a risk of erosion or collapse due to external factors such as climate change in the long term.

#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕		✕		✕		→	
➖ Negative ✕		✕		✕		→	

##### 4.11.2 - Earthquake

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive							
➖ Negative ✕		✕		✕		→	

##### 4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 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 (31/07/2011):

- Relevant, Negative, Potential, Outside










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

##### 4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Current, Potential, Outside








✕ Relevant				Not relevant			
------------	--	--	--	--------------	--	--	--

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

#### 4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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

#### 4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (31/07/2011):

- Not relevant

Relevant	✕ Not relevant
----------	----------------

#### 4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (31/07/2011):

- Not relevant

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

#### 4.12.6 - Modified genetic material

Previous answer Cycle 2 (31/07/2011):









- Not relevant

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

### 4.13. Management and institutional factors

#### 4.13.1 - Management system/Management plan

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

#### 4.13.2 - Legal framework

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

#### 4.13.3 - Governance

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

#### 4.13.4 - Management activities

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Current, Potential, Inside, Outside

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

#### 4.13.5 - Financial resources

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

#### 4.13.6 - Human resources

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

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

Previous answer Cycle 2 (31/07/2011):

- Relevant, Positive, Current, Potential, Inside, Outside

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

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

Previous answer Cycle 2 (31/07/2011):

- Relevant, Negative, Potential, Outside

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



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

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend
4.1 Buildings and Development					
4.1.1 Housing					
4.1.2 Commercial development					
4.1.3 Industrial areas					
4.1.4 Major visitor accommodation and associated infrastructure					
4.1.5 Interpretative and visitation facilities					
4.2 Transportation Infrastructure					
4.2.1 Ground transport infrastructure					
4.2.4 Marine transport infrastructure					
4.3 Services Infrastructures					
4.3.1 Water infrastructure					
4.3.2 Renewable energy facilities					
4.3.4 Localised utilities					
4.3.5 Major linear utilities					
4.4 Pollution					
4.4.1 Pollution of marine waters					
4.4.2 Ground water pollution					
4.4.3 Surface water pollution					
4.4.4 Air pollution					
4.5 Biological resource use/modification					

4.5.2 Aquaculture						
	⊖		⚡		🔄	➡
4.5.3 Land conversion	⊕		⚡		🔄	➡
	⊖		⚡		🔄	➡
4.5.4 Livestock farming/Grazing of domesticated animals						
	⊖		⚡		🔄	➡
4.5.5 Crop production						
	⊖		⚡	🌱	🔄	➡
4.5.7 Subsistence wild plant collection						
	⊖		⚡		🔄	➡
4.5.10 Forestry/Wood production	⊕		⚡		🔄	➡
	⊖		⚡		🔄	➡
4.6 Physical resource extraction						
4.6.2 Quarrying						
	⊖		⚡	🌱	🔄	➡
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
	⊖		⚡		🔄	➡
4.7.4 Radiation/Light						
	⊖		⚡		🔄	➡
4.7.6 Water (rain/water table)						
	⊖		⚡		🔄	➡
4.7.7 Pests						
	⊖		⚡		🔄	➡
4.7.8 Micro-organisms						
	⊖		⚡		🔄	➡
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses	⊕	⚡		🌱	🔄	➡
	⊖		⚡	🌱	🔄	➡
4.8.2 Society's valuing of heritage	⊕	⚡		🌱		↗
4.8.5 Identity, social cohesion, changes in local population and community	⊕	⚡		🌱	🔄	↗
4.8.6 Impacts of tourism/Visitation/Recreation						
	⊖		⚡		🔄	↗
4.9 Other human activities						
4.9.2 Deliberate destruction of heritage						
	⊖		⚡		🔄	➡
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖		⚡		🔄	➡
4.10.2 Flooding						

4.10.3 Drought						
4.10.5 Changes to oceanic waters						
4.10.6 Temperature change						
4.10.7 Other climate change impacts						
4.11 Sudden ecological or geological events						
4.11.1 Volcanic eruption						
4.11.2 Earthquake						
4.11.3 Tsunami/Tidal wave						
4.11.4 Avalanche/Landslide						
4.11.5 Erosion and siltation/Deposition						
4.11.6 Fire (wildfire)						
4.12 Invasive/alien species or hyper-abundant species						
4.12.1 Translocated species						
4.12.2 Invasive/Alien terrestrial species						
4.12.3 Invasive/Alien freshwater species						
4.12.5 Hyper-abundant species						
4.13 Management and institutional factors						
4.13.1 Management system/Management plan						
4.13.2 Legal framework						
4.13.3 Governance						
4.13.4 Management activities						
4.13.5 Financial resources						
4.13.6 Human resources						

4.13.7 Low impact research/monitoring activities						
4.13.8 High impact research/monitoring activities						
<b>Legend</b>	Current	Potential	Negative	Positive	Inside	Outside

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

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

##### 4.1 Buildings and Development





Name	Impact			Origin		Trend
4.1.1 Housing						

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

Name	Impact			Origin		Trend
4.1.2 Commercial development						










Spatial scale - Area affected by the factor
---

✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.1.3 Industrial areas						
						

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing











Name	Impact	Origin	Trend
4.1.4 Major visitor accommodation and associated infrastructure	 		 
	 		 

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input checked="" type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going

Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input checked="" type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input type="checkbox"/>	Major





Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input type="checkbox"/>	Static
<input checked="" type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.1.5 Interpretative and visitation facilities	 		 
	 		 

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 - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

## 4.2 Transportation Infrastructure

Name	Impact			Origin		Trend
4.2.1 Ground transport infrastructure						
						

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 - Impact on the attributes	
	Insignificant
✕	Minor
	Significant

	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.2.4 Marine transport infrastructure			
	 		





<b>Spatial scale - Area affected by the factor</b>	
✕	Restricted
	Localised
	Extensive
	Widespread

<b>Temporal scale - Occurrence of the impact</b>	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

## 4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water infrastructure	 		







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

Name	Impact			Origin	Trend
4.3.2 Renewable energy facilities					

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor

	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.3.4 Localised utilities			
	  	 	

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✕	Localised
	Extensive
	Widespread

<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.3.5 Major linear utilities			

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

#### 4.4 Pollution

Name	Impact			Origin		Trend
4.4.1 Pollution of marine waters						
<b>Spatial scale - Area affected by the factor</b>						
	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
<b>Impact - Impact on the attributes</b>						

	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.4.2 Ground water pollution						
	⊖		📢		🔄	↗

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

Name	Impact	Origin	Trend
------	--------	--------	-------

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

Name	Impact			Origin		Trend
4.4.4 Air pollution						






<b>Spatial scale - Area affected by the factor</b>						
	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
	One off or rare					
	Intermittent or sporadic					
	Frequent					
	On-going					
<b>Impact - Impact on the attributes</b>						
	Insignificant					

✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing




#### 4.5 Biological resource use/modification

Name	Impact	Origin	Trend
4.5.2 Aquaculture			
	⊖	📢	➡

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

Name	Impact	Origin	Trend
4.5.3 Land conversion			
			

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

Name	Impact	Origin	Trend
4.5.4 Livestock farming/Grazing of domesticated animals			
			

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

	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.5.5 Crop production						

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

Name	Impact	Origin	Trend
------	--------	--------	-------



4.5.7 Subsistence wild plant collection						

**Spatial scale - Area affected by the factor**

	Restricted
	Localised
	Extensive
	Widespread

**Temporal scale - Occurrence of the impact**

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

**Impact - Impact on the attributes**

	Insignificant
	Minor
	Significant
	Major

**Management response - Capacity of management to respond**

	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

**Trend - Development over the last 6 years**

	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.5.10 Forestry/Wood production						

**Spatial scale - Area affected by the factor**

	Restricted
	Localised
	Extensive
	Widespread

**Temporal scale - Occurrence of the impact**

	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

**Impact - Impact on the attributes**

	Insignificant
--	---------------

✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

## 4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.2 Quarrying			
	⊖	📢	➡


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

## 4.7 Local conditions affecting physical fabric

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




Name		Impact			Origin		Trend
4.7.4 Radiation/Light							
<b>Spatial scale - Area affected by the factor</b>							
	Restricted						
	Localised						
	Extensive						
<input checked="" type="checkbox"/>	Widespread						
<b>Temporal scale - Occurrence of the impact</b>							
	One off or rare						
<input checked="" type="checkbox"/>	Intermittent or sporadic						

	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.7.6 Water (rain/water table)						
						

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

✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.7 Pests			
			

#### Spatial scale - Area affected by the factor

	Restricted
✕	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

#### Impact - Impact on the attributes




	Insignificant
✕	Minor
	Significant
	Major

#### Management response - Capacity of management to respond

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

#### Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.7.8 Micro-organisms			
			

#### Spatial scale - Area affected by the factor











	Restricted
✕	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
✕	Intermittent or sporadic



	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

#### 4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.1 Ritual/Spiritual/Religious and associative uses	 	 	
	 	 	

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

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	 		

#### Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

#### Impact - Impact on the attributes





	Insignificant
	Minor
✕	Significant
	Major

#### Management response - Capacity of management to respond

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

#### Trend - Development over the last 6 years

	Decreasing
	Static
✕	Increasing

Name	Impact	Origin	Trend
4.8.5 Identity, social cohesion, changes in local population and community	 	 	




#### Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
--	-----------------

	Intermittent or sporadic
✕	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
	Static
✕	Increasing

Name	Impact			Origin		Trend
4.8.6 Impacts of tourism/Visitation/Recreation						
						

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 - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	



	Decreasing
	Static
✕	Increasing

## 4.9 Other human activities

Name	Impact	Origin	Trend
4.9.2 Deliberate destruction of heritage			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>

### Spatial scale - Area affected by the factor

✕	Restricted
	Localised
	Extensive
	Widespread

### Temporal scale - Occurrence of the impact

✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

### Impact - Impact on the attributes

	Insignificant
	Minor
	Significant
✕	Major

### Management response - Capacity of management to respond

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

### Trend - Development over the last 6 years

	Decreasing
✕	Static
	Increasing





## 4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.1 Storms			
	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>	<div> <div></div> <div></div> <div></div> </div>

### Spatial scale - Area affected by the factor





	Restricted
✕	Localised
	Extensive

	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.10.2 Flooding						
						

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✕	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity

	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.10.3 Drought						
						

#### Spatial scale - Area affected by the factor

	Restricted
✕	Localised
	Extensive
	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

#### Impact - Impact on the attributes





	Insignificant
✕	Minor
	Significant
	Major

#### Management response - Capacity of management to respond

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

#### Trend - Development over the last 6 years





	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.10.5 Changes to oceanic waters						
						

#### Spatial scale - Area affected by the factor

	Restricted
	Localised
✕	Extensive

	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.10.6 Temperature change						
						

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✕	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity

	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
✕	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.10.7 Other climate change impacts						
	⊖		📢		🔄	➡

#### Spatial scale - Area affected by the factor

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

#### Impact - Impact on the attributes

	Insignificant
✕	Minor
	Significant
	Major

#### Management response - Capacity of management to respond

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

#### Trend - Development over the last 6 years

	Decreasing
	Static
✕	Increasing

## 4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.1 Volcanic eruption	⊕		📢		🔄	➡
	⊖		📢		🔄	➡

#### Spatial scale - Area affected by the factor





	Restricted
✕	Localised

	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
	Significant
✕	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.11.2 Earthquake						
	⊖		📌		🔄	➡

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
✕	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
	Significant
✕	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity




	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.11.3 Tsunami/Tidal wave			
			 

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
✕	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.11.4 Avalanche/Landslide			
			 

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✕	Localised




	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.11.5 Erosion and siltation/Deposition						
	⊖		📢		🔄	➡

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✕	Localised
	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity



	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.11.6 Fire (wildfire)			
			 

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
✕	Extensive
	Widespread




<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources




<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

## 4.12 Invasive/alien species or hyper-abundant species

Name	Impact	Origin	Trend
4.12.1 Translocated species			
			 




<b>Spatial scale - Area affected by the factor</b>	
	Restricted

✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.12.2 Invasive/Alien terrestrial species						
						

Spatial scale - Area affected by the factor	
	Restricted
	Localised
✕	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major
Management response - Capacity of management to respond	

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.12.3 Invasive/Alien freshwater species			
			



<b>Spatial scale - Area affected by the factor</b>	
	Restricted
✕	Localised
	Extensive
	Widespread

<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
✕	Minor
	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources





<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.12.5 Hyper-abundant species			
			

<b>Spatial scale - Area affected by the factor</b>	
	Restricted

	Localised
✕	Extensive
	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
✕	Intermittent or sporadic
	Frequent
	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major
<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
	Static
✕	Increasing

## 4.13 Management and institutional factors

Name	Impact			Origin		Trend
4.13.1 Management system/Management plan						

<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✕	Widespread
<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
	Significant
✕	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.13.2 Legal framework	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>

Spatial scale - Area affected by the factor	
<input type="checkbox"/>	Restricted
<input type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input checked="" type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact	
<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going






Impact - Impact on the attributes	
<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input type="checkbox"/>	Significant
<input checked="" type="checkbox"/>	Major

Management response - Capacity of management to respond	
<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources
Trend - Development over the last 6 years	
<input type="checkbox"/>	Decreasing
<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.13.3 Governance	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/>







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 - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.13.4 Management activities						

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 - Impact on the attributes	
	Insignificant
	Minor
	Significant
✕	Major
Management response - Capacity of management to respond	

✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.5 Financial resources	  	 	



<b>Spatial scale - Area affected by the factor</b>	
	Restricted
	Localised
	Extensive
✕	Widespread

<b>Temporal scale - Occurrence of the impact</b>	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major






<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.6 Human resources	 		

<b>Spatial scale - Area affected by the factor</b>	
	Restricted




	Localised
	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

Name	Impact			Origin		Trend
4.13.7 Low impact research/monitoring activities						

Spatial scale - Area affected by the factor	
	Restricted
✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
✕	Frequent
	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity



	Medium capacity
	Low capacity
	No capacity and / or resources
<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.8 High impact research/monitoring activities			
			

<b>Spatial scale - Area affected by the factor</b>	
✕	Restricted
	Localised
	Extensive
	Widespread

<b>Temporal scale - Occurrence of the impact</b>	
✕	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

<b>Impact - Impact on the attributes</b>	
	Insignificant
	Minor
✕	Significant
	Major

<b>Management response - Capacity of management to respond</b>	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

<b>Trend - Development over the last 6 years</b>	
	Decreasing
✕	Static
	Increasing

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

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

#### 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
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4.18.1.1	Axis of Jeju volcanic island and lava tubes	×			
4.18.1.2	Size and landscape of the tubes	×			
4.18.1.3	Secondary carbonate speleothems of the tubes	×			
4.18.1.4	Landscape and internal structure of Seongsan Ilchulbong Tuff Cone	×			
4.18.1.5	Topography and ecosystem of Mt. Hallasan	×			

## 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 buffer zones are **adequate** to maintain the property's Outstanding Universal Value

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

The buffer zones of the World Heritage property **are known and recognised by both** the management authority and local communities/landowners

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

### 5.2. Protective Measures

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

There is a strong statutory and regulatory basis providing for strict legal protection of all sites in the property. The principal statute applying is the Cultural Properties Protection Act administered by the central government Cultural Properties Administration. Under this legislation the core zones within the property are designated as Natural Monument (except one cave which is a Jeju Monument), which provides for absolute protection. Buffer zones allow for some very restricted development provided there is no impact on the values of the core zones. Hallasan Natural Reserve was declared as a National Park in 1970, under the Natural Parks Act, and the Highlands Management Act, for sustainable forest conservation and use, also applies to this area. At the provincial level, the Jeju Provincial Cultural Heritage Protection Ordinance and the Jeju Province Regulation on Promotion for Inscription on the World Heritage List contain the necessary provisions for management planning and operations, and for establishment of a World Heritage Promotions Committee. Management regulations include Guidelines for Conservation and Management of Natural Caves, Guidelines for Conservation and Management of Natural Reserves and Rules for Facilities Inside Parks.

The three component parts of the heritage are all state-designated natural heritage according to the Cultural Heritage Protection Act and the entire area of Mt. Hallasan is also a National Park, according to the National Parks Act. All lava tubes within the Geomunoreum Lava Tube system are also state-designated. All activities within the heritage or in its boundaries must obtain permission from the CH Committee, and the heritage are managed according to the mid, long-term management plans.

Source: Periodic Reporting Cycle 2

#### Comment

In February 2020, the Republic of Korea enacted a Special Act on the Preservation, Management and Utilization of World Heritage properties in order to enhance public cultural pride and contribute to the promotion of international cooperation by preserving common heritage.

#### 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 **legal framework** in the buffer zone for the maintenance 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**

#### 5.2.5 - 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

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

## Heritage property

### 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

Public management system at national level

If 'Other', please specify


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

<input type="checkbox"/>	A statutory Management Plan or zoning plan for the property.
<input type="checkbox"/>	A management plan
<input type="checkbox"/>	A visitor/visitation management plan

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

- Since all World Heritage are designated as a national cultural heritage, they are strictly protected and managed under the Cultural Heritage Protection Act. - For research, management, public relations, monitoring, and participation of local residents, a comprehensive plan for the conservation and utilization of the world natural heritage has been established and is being promoted annually.

#### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Jeju World Natural Heritage Revised Management Plan	N/A	Available	2006	

#### 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?

**No use** has been made of the 2011 Recommendation on the Historic Urban Landscape

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

#### 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?

**No use** has been made of the World Heritage Policy for Climate Change

#### 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:

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

**Some use** has been made of the 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

#### 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	<input checked="" type="checkbox"/>				
	If you selected, 'Other specific groups' please specify					

**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					<input checked="" type="checkbox"/>
5.3.16.2	Local/Municipal authorities					<input checked="" type="checkbox"/>
5.3.16.3	Indigenous peoples	<input checked="" type="checkbox"/>				
5.3.16.4	Landowners				<input checked="" type="checkbox"/>	
5.3.16.5	Women					<input checked="" type="checkbox"/>
5.3.16.6	Youth/Children					<input checked="" type="checkbox"/>
5.3.16.7	Researchers					<input checked="" type="checkbox"/>
5.3.16.8	Local Visitors/Tourists					<input checked="" type="checkbox"/>
5.3.16.9	National/International tourists					<input checked="" type="checkbox"/>
5.3.16.10	Tourism Industry				<input checked="" type="checkbox"/>	
5.3.16.11	Local businesses and industries				<input checked="" type="checkbox"/>	
5.3.16.12	NGOs	<input checked="" type="checkbox"/>				
5.3.16.13	Other specific groups	<input checked="" type="checkbox"/>				
	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	<input checked="" type="checkbox"/>				
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)				<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>				
5.3.17.4	The management system of the property integrates a human rights-based approach	<input checked="" type="checkbox"/>				
5.3.17.5	The management system of the property contributes to fostering inclusive local economic development, and to enhancing livelihood				<input checked="" type="checkbox"/>	
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	<input checked="" type="checkbox"/>				

**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**

**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	%	%

6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	57 %	21 %
6.1.1.7	Governmental (regional/provincial/state)	43 %	79 %
6.1.1.8	Governmental (local/municipal)	%	%
6.1.1.9	In-country donations (NGOs, foundations, etc.)	%	%
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**

**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	72 %	50 %
6.1.6.2	Women	28 %	50 %
		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	Fair
Capacity development and education	Poor
Administration	Fair
Research and monitoring	Good
Awareness raising and public information/communication	Poor
Marketing and promotion	Good
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

**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	Fair
Capacity development and education	Poor
Administration	Fair

Research and monitoring	Good
Awareness raising and public information/communication	Poor
Marketing and promotion	Good
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

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

Some use has been made of 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.

- Conservation : Establishment of a comprehensive plan for conservation and utilization - Communication : Operation of Jeju World Natural Heritage official SNS - Community : Encouragement of local residents' participation through resident support programs

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

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

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

### 7. Scientific Studies and Research Projects

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

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

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

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

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

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

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

Monitoring and academic research are carried out every year, and the results of research services are disclosed in the policy research system.

### 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	Fair
Local/municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Fair
Women	Fair
Youth/children	Fair
Researchers	Good
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Fair
Local businesses and industries	Not applicable
NGOs	Not applicable
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
Youth/children
Researchers
Local Visitors
National/international tourists

## 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	Fair
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

- In order to raise awareness and pride of the World Natural Heritage, a children's guide training program is being operated, and VR experience learning is being conducted at elementary schools in Jeju. - Visitor centers and museums are established in each heritage district to provide various information on World Heritage to visitors.

## 9. Visitor Management

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

1,632,329 / 3,307,219 / 3,569,296 / 4,161,310 / 5,315,715 /
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### 9.2 - What information sources are used to collect visitor statistics?

Entry tickets and registries
------------------------------

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

One day (no overnight stay)

### 9.4 - Please provide the source of information

Utilization of ticket counting result data for each property for the past 5 years.

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

87 / 94 / 135 / 38 / 76 /
---------------------------

### 9.6 - Please provide the source of information

Expenditure Source: Jeju World Natural Heritage Awareness Survey and Effect Analysis (2016) by Jeju development institute.

### 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

Jeju World Natural Heritage Conservation and Utilization Comprehensive Plan(2010-2020).

### 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?

No

If a different system, please specify

**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?**

**Fees are collected**, and make **some contribution** to the management of the World Heritage property

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

Yes

If 'Yes', please specify

Geomunoreum Trekking Festival, Seongsan Sunrise Festival, etc.

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

Not applicable

If 'Yes', please specify

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

**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**

Monitoring indicators are set for each heritage district and monitoring is conducted once a month.

**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	Not applicable
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Not applicable
Researchers	Not applicable



Tourism industry	Not applicable
Local businesses and industry	Not applicable
NGOs	Not applicable
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 underway

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

A total of 5 recommendations were received at the time of inscription as a World Heritage Site and are being faithfully implemented year after year. 1. Purchase of private land within the core area 2. Efficient management of tourists and regulation of commercial activities 3. Regulation of agricultural activities in Geomunoreum Lava Tube System 4. Management and investigation of biodiversity values 5. Additional inscription of a World Natural Heritage

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

Monitoring is carried out through on-site visits once a month for each heritage district, and a real-time monitoring system has been established to operate a systematic monitoring and management system.

## 11. Identification of Priority Management Needs

### 11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan							
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property							✕
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property							✕
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property							✕
6.1	Funding							
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property							✕
Please select 0 more issues.								
<input checked="" type="checkbox"/> Please save this question to reflect changes								

## 12. Summary and Conclusions

### 12.1. Summary - Factors affecting the Property

#### 12.1.1 - Summary - Factors affecting the Property

4.7	Local conditions affecting physical fabric							
4.7.1	Wind							
4.7.4	Radiation/Light							
4.9	Other human activities							
4.9.2	Deliberate destruction of heritage	Visitors' deliberate destructive actions may damage the geological values of the volcanic topography.	Visitors are monitored at all times.	Regular monitoring system is operated.	The property is monitored at all times.	Cultural Heritage Administration Jeju Provincial Government	A real-time monitoring system is necessary.	
4.10	Climate change and severe weather events							
4.10.6	Temperature change							
4.10.7	Other climate change impacts	Climate change may damage the geological values of the volcanic topography.	Signs of climate change are archived and analyzed.	Mid- to long-term monitoring are carried out.	The property is monitored at all times.	Cultural Heritage Administration Jeju Provincial Government	A long-term archiving of climate change is needed.	
4.11	Sudden ecological or geological events							

4.11.1	Volcanic eruption	Volcanic eruption may damage the geological values of the volcanic topography.	Volcanic activities are monitored at all times.	Signs of volcanic activities are monitored.	The property is monitored at all times.	Cultural Heritage Administration Jeju Provincial Government	Volcanic activities may damage existing topography, but new topography may be created as well.
4.11.2	Earthquake	Earthquakes may transform volcanic topography.	Changes in volcanic topography from earthquakes are monitored.	According to the sources of the Korea Meteorological Administration, the signs of earthquake have been monitored at all times.	The property is monitored at all times.	Cultural Heritage Administration Jeju Provincial Government	None.
4.11.3	Tsunami/Tidal wave						
4.11.6	Fire (wildfire)	Fire may transform volcanic topography.	Forest fires are watched thoroughly, and emergency preparedness training is carried out.	Forest fire is watched through thermo-graphic cameras.	The property is monitored at all times.	Cultural Heritage Administration Jeju Provincial Government	A close co-working system with pertinent institutions should be established.
4.12	Invasive/alien species or hyper-abundant species						
4.12.5	Hyper-abundant species	Invasive/alien species may affect natural environment.	A survey on the species was carried out, and proper measures have been prepared.	Encroaching rate and covered area have been monitored.	Regular monitoring is conducted quarterly.	Cultural Heritage Administration Jeju Provincial Government	Measures to eliminate hyper-abundant species should be prepared.

Question not completed

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.3.5	No use has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	Historic Urban Landscape Recommendation are not in place yet, but relevant policies will be devised.	Studies on Historic Urban Landscape Recommendation will be carried out.	Cultural Heritage Administration Jeju Provincial Government	None.
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	Case studies on negative impacts from climate change are carried out, and corresponding measures are being planned.	To cope with climate change, monitoring is carried out at all times.	Cultural Heritage Administration Jeju Provincial Government	Mid/long-term monitoring for climate change is necessary.
5.3.9	Some use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	Case studies in overcoming disaster risks are conducted, and corresponding measures are being planned.	To prepare for disasters, monitoring is carried out at all times.	Cultural Heritage Administration Jeju Provincial Government	Impacts of disaster risks on the protection of the property's values, authenticity, and integrity should be systematically analyzed.
6.1	Funding				
6.1.10	Some use has been made of the World Heritage Strategy for Capacity Development at the World Heritage	Capacity-building strategies for the stakeholders, professionals, and staffs for the conservation and management are being established.	Studies on capacity-building strategies will be carried out.	Cultural Heritage Administration Jeju Provincial Government	None.

## 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?

The Authenticity of the World Heritage property **has been preserved**

## 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.

## 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	Positive
Recognition	Positive
Education	Positive
Infrastructure development	No impact
Funding for the property	Positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Positive
Advocacy	Positive
Institutional coordination	Positive
Security	Positive
Gender equality	No impact
Provision of ecosystem services/ benefits to local communities	Positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	No impact
Fostering inclusive local economic development and enhancing livelihood	No impact
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	No impact
Other	No impact
If 'Other', please specify	

## 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

World Natural Heritage real-time monitoring system establishment project.

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

State of Conservation

## 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	Fair
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Fair

### 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

#### 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

#### 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

504 / 504 / 672 /

#### 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

#### 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	Not applicable
ICOMOS International	Not applicable
IUCN International	Not applicable
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)	Not applicable
UNESCO other sectors (e.g. field office)	Not applicable
National Commission for UNESCO	Not applicable
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.