

# Complex of Koguryo Tombs

## 1. World Heritage Property Data

### 1.1 - Name of World Heritage property

Complex of Koguryo Tombs

### 1.2 - World Heritage property details

#### Comment

The nomenclature of the State Party: Democratic People's O

### 1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Tomb of King Tongmyong and Jinpha-ri group of tombs	38.889 / 125.93	220	527	747	2003
Homam-ri Sasin (Four Deities) Tomb	39.081 / 125.922	0.8	331	331.8	2003
Tokhwa-ri Tombs No. 1,2,3	39.151 / 125.53	0.32	92.3	92.62	2003
Kangso Three Tombs	38.965 / 125.425	1.9	473	474.9	2003
Tokhung-ri Tomb	38.961 / 125.447	2.5	?	2.5	2003
Yaksu-ri Tomb	38.919 / 125.413	1.1	67	68.1	2003
Susan-ri Tomb	38.921 / 125.361	1.2	34.4	35.6	2003
Ryonggang Great Tomb	38.863 / 125.415	0.34	0	0.34	2003
Twin-Column Tomb	38.863 / 125.415	0.29	0	0.29	2003
Anak Tomb No. 1	38.484 / 125.543	0.54	85	85.54	2003
Anak Tomb No. 2	38.484 / 125.543	0.54	?	0.54	2003
Anak Tomb No. 3	38.44 / 125.508	5.2	91.5	96.7	2003
Total (ha)		234.73	1701.2	1935.93	

### 1.4 - Map(s)

Title	Date	Link to source
Maps showing the location of each component of the inscribed property	2002	

#### Comment

In compliance with the latest Operational Guidelines for the Implementation of the Convention, and following the request by the WHC to revise maps of properties inscribed between 1999 and 2006, the State Party undertook the due revision and submitted the maps by the end of April.

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

1.
2. Other Conventions/Programmes under which the World Heritage property is protected (if applicable)

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

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

2.1.3	<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

<b>2.7.1</b>	<b>1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.2</b>	<b>Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.3</b>	<b>Convention on Wetlands of International Importance (Ramsar Convention)</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.4</b>	<b>Man and the Biosphere (MAB) Programme</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.4	The World Heritage Site Manager <b>also manages</b> this designation/programme.	
<b>2.7.5</b>	<b>UNESCO Global Geoparks</b>	
2.7.1	There is <b>no contact</b> with the Focal Point(s) of this designation/programme.	×
2.7.2	The World Heritage Site Manager <b>occasionally</b> communicates with the Focal Point(s) of this designation/programme.	
2.7.3	The World Heritage Site Manager <b>regularly</b> communicates with the Focal Point(s) of this designation/programme.	

**2.8 - 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****Brief synthesis**

Koguryo was one of the strongest kingdoms in northeast China and half of the Korean peninsula between the 3rd century BC and the 7th century AD. The best known cultural heritage remains of this kingdom are the tombs, built of stone and covered by stone or earthen mounds. These tombs, from the middle period of the kingdom, many with beautiful wall paintings, are the representative remains of this culture. About 100 out of more than 10,000 Koguryo tombs discovered in Democratic People's Republic of Korea and China to date are decorated with wall paintings, some 80 of which are in the Democratic People's Republic of Korea. Among the Koguryo tombs identified in Democratic People's Republic of Korea, 63 individual tombs including 16 tombs with wall paintings are included in the inscribed property.

The Complex of Koguryo Tombs is a serial property and includes several groups and individual tombs situated mainly at the foot of mountains and some in villages. Located in Pyongyang and surrounding provinces, the tombs are thought to have been made for the burial of kings, members of the royal family and the aristocracy.

There are several types of tombs included in the property, based on the number of burial chambers – single chamber, two chambers, and multi-chambers with side chambers. They represent the full range of the Koguryo tomb typology and showcase the best examples of this construction technology. The tombs are monumental, stone-chambered earthen mounds that were skillfully constructed with ingenious ceiling designs to support the heavy weight above. The technology employed represented a unique, creative and long-sought engineering solution to the technical problems posed by underground tomb construction.

The wall paintings constitute masterpieces of the art of wall painting. The subject matter of the wall paintings of the tombs offers unique evidence of the richness and complexity of the now-vanished Koguryo culture, portraying the costumes, food, residential life and burial customs, as well as religious practices and imagery associated with Buddhism, Taoism and the Four Deities.

The Complex of Koguryo Tombs represents an exceptional testimony to the Koguryo culture, its burial customs, daily life and beliefs. The special burial customs of this culture had an important influence on other cultures in the region, including those of Japan.

**Criterion (i):** The wall paintings of the Koguryo tombs are masterpieces of the culture and period of the Koguryo kingdom; the construction of the tombs demonstrates ingenious engineering solutions.

**Criterion (ii):** The special burial customs of the Koguryo culture had an important influence on other cultures in the region, including Japan.

**Criterion (iii):** The Koguryo tombs are an exceptional testimony of the Koguryo culture, its burial customs as well as its daily life and beliefs.

**Criterion (iv):** The Complex of Koguryo Tombs is an important example of burial typology.

**Integrity**

The serial property, which is scattered across the northwest part of the Korean peninsula and grouped into four regions, comprises 63 individual tombs, 16 of which feature wall paintings. The tombs represent the full typology of Koguryo tombs from the later kingdom and together with the wall paintings represent among the only remains of the now-vanished Koguryo culture.

Most of the known tombs suffered clandestine excavations in the last thousand years and few were scientifically excavated prior to such activity. Although some of the wall paintings in the tombs were damaged by looting and environmental factors, the architectural features remain largely intact and the wall paintings possess sufficient integrity to express their Outstanding Universal Value.

The natural environment and setting of the tombs have not been substantially altered since the time the tombs were constructed, providing a clear understanding of the relationship between the tombs and their symbolic siting in the landscape.

The attributes that express the Outstanding Universal Value of the property are not threatened by development or neglect. The wall paintings and the architectural structures are vulnerable to humidity, harmful bacteria and natural weathering. There is a risk of flooding in one of the tombs and an overall plan for the management of tourism is required.

**Authenticity**

The authenticity of the tombs has been well preserved, as has their relationship with their landscape setting. The tombs have remained largely unaltered since the time of their construction and still retain the evidence of outstanding architectural techniques. The wall paintings inside are authentic and untouched.

Although parts of the wall paintings were damaged owing to looting and other factors, a significant proportion of all the attributes expressing their Outstanding Universal Value, for example, their subject matter, composition, layout, methods of portrayal, and types and texture of pigments, still remain in their original state, guaranteeing their truthfulness.

New additions to the exterior of the tombs for the purposes of protection, presentation and interpretation of the sites can be read as contemporary features that neither mimic the authentic attributes of the property, nor compromise the cultural value of the tombs.

Protection and management requirements

The Complex of Koguryo Tombs is substantially protected under the Law of the Democratic People's Republic of Korea on the Protection of Cultural Property. The on-site management bodies, under the guidance of the National Bureau for Cultural Property Conservation, are responsible for the conservation and management of these properties. The site management structure is adequate and staff well qualified. Buffer zones have been demarcated for all properties, and the overall state of conservation of the property is relatively good.

Conservation and restoration projects for the wall paintings of the Koguryo tombs are being undertaken in collaboration with UNESCO, notably in the Susan-ri Tomb. The major problem in the management and conservation of the tombs is the damage to the wall paintings and architectural structures done by humidity, harmful bacteria and natural weathering. To address this, a remote interior monitoring system and temperature and humidity sensor and regulation system to monitor and regulate the interior of the tombs are being planned in collaboration with UNESCO, and will be installed within a few years. Long-term strategies have been developed to conserve and restore all tombs within the serial property. This will include preventative conservation to avoid the flaking off of paint, changes to the colour of the paintings and corrosion of the tomb structures. It will also aim to continue and strengthen scientific and technical research in relevant fields. The Management Plan is being revised in order to improve conservation, management and interpretation of the property and all the associated elements, including their surrounding natural environment.

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	Criterion (i) masterpieces of the culture and period of the Koguryo kingdom, ingenious engineering solutions	✖			
3.2.2	Criterion (ii) special burial customs	✖			
3.2.3	Criterion (iii) exceptional testimony of the Koguryo culture	✖			
3.2.4	Criterion (iv) Important example of burial typology	✖			
3.2.5	Mural painting	✖			
3.2.6	Architectural structure	✖			
3.2.7	Surrounding environment	✖			
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

With its over 1,400 years of history the property fully conveys the OUV embodying and preserving its authenticity and integrity in terms of location and setting, materials and substance, form and design, tradition and technique, spirit and feeling, size.

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (30/07/2011):

- 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 (30/07/2011):

- 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 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✕ Not relevant
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#### 4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (30/07/2011):

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

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

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

The construction of housing buildings, commercial facilities, major visitor accommodation and associated infrastructure in the buffer zone are potential risk factors affecting the property, which are controlled by the management plan and administrative mechanism. Existing interpretative and visitation facilities are having the positive impact on the visitation, interpretation, conservation and management.

### 4.2. Transportation Infrastructure

#### 4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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#### 4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (30/07/2011):

- 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 (30/07/2011):

- Relevant, Negative, Potential, Outside

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

##### 4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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##### 4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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##### 4.3.4 - Localised utilities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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##### 4.3.5 - Major linear utilities

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✕ Not relevant
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#### 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 (30/07/2011):

- Not relevant

Relevant	✕ Not relevant
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##### 4.4.2 - Ground water pollution

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

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

##### 4.4.3 - Surface water pollution

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant	✕ Not relevant
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#### 4.4.4 - Air pollution

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.4.5 - Solid waste

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.4.6 - Input of excess energy

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 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

Ground water pollution is a potential factor that could have negative impacts on the Susan-ri Tomb which is located by the Lake Thaesong. But the state of conservation improved owing to consolidated water-proofing and drainage system installation until 2013 in cooperation with World Heritage Centre of UNESCO.

### 4.5. Biological resource use/modification

#### 4.5.1 - Fishing/collecting aquatic resources

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.2 - Aquaculture

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.3 - Land conversion

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant










#### 4.5.5 - Crop production

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant

Not relevant

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

#### 4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.8 - Commercial hunting

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.9 - Subsistence hunting

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant

#### 4.5.11 - Please comment as necessary on how the factors selected as relevant in 4.5 are affecting the property either negatively or positively

There are rice paddies in the buffer zones of all serial properties except for Ryonggang Great Tomb and Twin-Column Tomb, which have currently no negative impact on the property and its surrounding environment, and which rather contributes to visual distinction between tomb layout and natural surroundings.

### 4.6. Physical resource extraction

#### 4.6.1 - Mining

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant

#### 4.6.2 - Quarrying

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.6.3 - Oil and gas

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.6.4 - Water (extraction)

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.6.5 - Please comment as necessary on how the factors selected as relevant in 4.6 are affecting the property either negatively or positively

### 4.7. Local conditions affecting physical fabric

#### 4.7.1 - Wind

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant

#### 4.7.2 - Relative humidity










Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Inside

✕ Relevant

Not relevant
















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

#### 4.7.3 - Temperature

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Inside

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

#### 4.7.4 - Radiation/Light

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant	 Not relevant
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#### 4.7.5 - Dust

Previous answer Cycle 2 (30/07/2011):

- Not relevant














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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Inside

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

#### 4.7.7 - Pests

Previous answer Cycle 2 (30/07/2011):

- Not relevant







Relevant	 Not relevant
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#### 4.7.8 - Micro-organisms

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Current, Inside

 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

Potential abnormal fluctuation of temperature and relative humidity by infiltration of rain/water table affect the micro-climate inside the tombs accelerating negative physiochemical and micro-organic processes that may result in the discoloration of mural painting, the separation, detachment, flaking and/or prosity of paint layers (renders) as well as calcareous and/or mud encrustations on them.

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

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Inside

Relevant

✕ Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Outside

Relevant

✕ Not relevant










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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

✕ Relevant

Not relevant

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

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

The property is of international interest and destination of visitors conveying the OUV as a WH and contributing to understanding and respect towards cultural diversity. Furthermore, it adds to the pride and love of all Korean in their history and culture, enriching social values, facilitating social cohesion, and strengthening effort in the conservation and management. Revenue accruing from visitation fee is a positive financial resource in the conservation and management of the property.

#### 4.9. Other human activities

##### 4.9.1 - Illegal activities

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.9.3 - Military training

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

4.9.4 - War

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

4.9.5 - Terrorism

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

4.9.6 - Civil unrest

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

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

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

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

4.10.2 - Flooding

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

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

4.10.3 - Drought

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

4.10.4 - Desertification

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

4.10.6 - Temperature change

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Inside, Outside

Relevant

✕ Not relevant

#### 4.10.7 - Other climate change impacts

Previous answer Cycle 2 (30/07/2011):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant

#### 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

Storm and flooding are general factors that may exert negative impact to the components. As it is, the property is less vulnerable to such. But some components including Yaksu.ri Tomb near Lake Thaesong (water reservoir) are potentially threatened by the factors. In response, the cooperation between UNESCO and the State Party saw installation of water-proofing and drainage system installation with monitoring equipment in 2013. Besides, the lake's level is regularly monitored and controlled.

#### 4.11. Sudden ecological or geological events

##### 4.11.1 - Volcanic eruption

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.11.2 - Earthquake

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

##### 4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.11.7 - Please comment as necessary on how the factors selected as relevant in 4.11 are affecting the property either negatively or positively

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

##### 4.12.1 - Translocated species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

Relevant

✕ Not relevant

#### 4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.12.6 - Modified genetic material

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

**4.12.7 - Please comment as necessary on how the factors selected as relevant in 4.12 are affecting the property either negatively or positively**

#### 4.13. Management and institutional factors

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

✕ 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 (30/07/2011):

- Relevant, Positive, Current, 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

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

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

#### 4.13.6 - Human resources

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

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

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

Previous answer Cycle 2 (30/07/2011):

- Relevant, Positive, Current, Inside

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

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

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

Previous answer Cycle 2 (30/07/2011):

- Not relevant

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

#### 4.13.9 - Please comment as necessary on how the factors selected as relevant in 4.13 are affecting the property either negatively or positively

All factors are positively affecting the property. The law on protection of national heritage saw amendment and supplementation in 2018 and the related statutes, by-laws and guidelines followed the same procedure. All these provide favourable environment to all the above listed factors for positive effect on the property.

#### 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						
	➔		🔑		🔄	➡
4.1.5 Interpretative and visitation facilities	➕	🔑		🔄		➡
4.3 Services Infrastructures						
4.3.1 Water infrastructure						
	➔		🔑		🔄	➡

4.4 Pollution						
4.4.2 Ground water pollution						
	⊖		⚡		↻	→
4.5 Biological resource use/modification						
4.5.5 Crop production						
	⊖		⚡		↻	→
4.7 Local conditions affecting physical fabric						
4.7.2 Relative humidity						
	⊖	⚡		⊙		→
4.7.3 Temperature						
	⊖	⚡		⊙		→
4.7.6 Water (rain/water table)						
	⊖	⚡		⊙		→
4.7.8 Micro-organisms						
	⊖	⚡		⊙		→
4.8 Social/Cultural uses of heritage						
4.8.6 Impacts of tourism/Visitation/Recreation	⊕	⚡			↻	→
4.10 Climate change and severe weather events						
4.10.1 Storms						
	⊖		⚡		↻	→
4.10.2 Flooding						
	⊖		⚡		↻	↘
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	⊕	⚡		⊙	↻	→
Legend	⚡ 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 checked="" type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input type="checkbox"/>	On-going
Impact - Impact on the attributes	
<input checked="" type="checkbox"/>	Insignificant
<input 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 checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact			Origin		Trend
4.1.2 Commercial development						
						

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	






	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
4.1.5 Interpretative and visitation facilities						

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

Trend - Development over the last 6 years	
	Decreasing
✕	Static
	Increasing

### 4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.1 Water 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



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

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

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

✕	Decreasing
	Static
	Increasing

### 4.4 Pollution





Name	Impact	Origin	Trend
4.4.2 Ground water pollution			
			

#### 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

## 4.5 Biological resource use/modification

Name	Impact			Origin		Trend
4.5.5 Crop production						
						

<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

#### 4.7 Local conditions affecting physical fabric

Name	Impact	Origin	Trend
4.7.2 Relative humidity			
	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>

<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
4.7.3 Temperature			
	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>	<div> <div></div> <div></div> </div>

<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
4.7.6 Water (rain/water table)						
						

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 checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.7.8 Micro-organisms	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

## 4.8 Social/Cultural uses of heritage





Name	Impact	Origin	Trend
4.8.6 Impacts of tourism/Visitation/Recreation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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

4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.1 Storms						
<b>Spatial scale - Area affected by the factor</b>						
X	Restricted					
	Localised					
	Extensive					
	Widespread					
<b>Temporal scale - Occurrence of the impact</b>						
X	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



## 4.13 Management and institutional factors


Name	Impact			Origin		Trend
4.13.1 Management system/Management plan						

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
4.13.2 Legal framework						






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

Name	Impact			Origin		Trend
4.13.3 Governance						

<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
4.13.4 Management 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

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

	Decreasing
✕	Static
	Increasing

Name	Impact	Origin	Trend
4.13.5 Financial resources	 	 	






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

	Restricted
	Localised
	Extensive
✕	Widespread

#### Temporal scale - Occurrence of the impact

	One off or rare
	Intermittent or sporadic

	Frequent
✕	On-going
<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
<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

<input checked="" type="checkbox"/>	Static
<input type="checkbox"/>	Increasing

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/>	<input checked="" 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 checked="" 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 checked="" type="checkbox"/>	Static
<input type="checkbox"/>	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

Interpretative and visitation facilities: Tomb of King Tongmyong and tomb group around it Water infrastructure: All tombs except for Tomb of King Tongmyong and tomb group around it Ground water pollution: Susanri-Tomb, Yaksu-ri Tomb Relative humidity: All Temperature: All Water: All Micro-organism: All Tourism: All Storm and flooding: All

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

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

	Attribute	Preserved	Compromised	Seriously compromised	Lost
4.18.1.1	masterpieces of the culture and period of the Koguryo kingdom, ingenious engineering solutions	<input checked="" type="checkbox"/>			
4.18.1.2	special burial customs	<input checked="" type="checkbox"/>			
4.18.1.3	exceptional testimony of the Koguryo culture	<input checked="" type="checkbox"/>			
4.18.1.4	important example of burial typology	<input checked="" type="checkbox"/>			

## 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).

The main three laws protecting cultural heritage and its management are: Presidential decree 35, 'Socialist Constitution of the democratic Peoples' Rep. of Korea' and the 'Law of the Dem. Peoples' Rep. of Korea'. Other relevant laws are land, environment, forests laws as well as different by-laws, regulations and operational guidelines.

#### 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

The laws and regulations for protection of the property are enforced by the statutory organs under the guidance of the NAPCH. Any development within the property is prohibited by relevant laws and regulations. Any development plan within the buffer zone is informed the NAPCH for evaluation and decision, based on which the local authorities and management offices decides on the proposed plan and take responsibility for its implementation. Any violation is subject to legal penalty.

#### 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 joint national/ local

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.

A statutory Management Plan or zoning plan for the property.

Governance mechanisms that foster and respect traditional practices, knowledge and uses of the property

Mechanisms to promote equal participation among and within groups, including different levels of authority, local communities, indigenous people, women and men, and other specific groups

A management plan


An annual work plan or business plan

A visitor/visitation management plan

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

The National Authority for the Protection of Cultural Heritage as the supreme guidance organ for the protection of national heritage in the country, the system includes the Pyongyang National Heritage Protection Office and Management Office for the Tomb of King Tongmyong (Mausoleum of King Tongmyong), Nampcho City National Heritage Protection Office, national heritage protection offices of South Phyongan and South Hwanghae provinces, site managers, supervisors and organs and members concerned.

### 5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Management Plan of the Complex of the Koguryo Tombs	N/A	Available	2002	

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

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

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

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

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

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

During the Periodic Reporting Cycle 2, activities of survey and research were conducted in the Kangso Three Tombs, Yaksu-ri Tomb and Susan-ri Tomb in order to provide appropriate micro-climate. The monitoring of micro-climate (including surface water) is carried out on a regular basis in response to the potential impact of climate change such as typhoon accompanied by heavy rain and flooding.

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

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

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

The National Disaster Prevention Committee guides all institutions and enterprises throughout country in the aspect of response to disaster due to climate change in liaison with hydro-meteorological organ. On the basis of various data and analysis, it informs relevant area and organs of the predicted flooding, fire and other disasters to ensure appropriate measures as early as possible. In place is also an emergency mobilization system at all levels for rehabilitation as well as mitigation.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

The state party ensures legal protection of gender equality in property management. The public management system ensures the voluntary participation of schools, enterprises, organs and other concerned individuals. The management system contributes to the improvement of tourism infrastructure such as visitation road and service facilities for sustainable tourism, thereby enhancing local economic development and livelihood.

**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.)	0 %	0 %
6.1.1.2	Bilateral international funding	0 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %
6.1.1.4	Contribution from other conventions and programmes	4 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %



6.1.1.6	Governmental (national/federal)	49 %	39 %
6.1.1.7	Governmental (regional/provincial/state)	15 %	11 %
6.1.1.8	Governmental (local/municipal)	32 %	40 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	7 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	3 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		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 the medium-term** and **planning is underway to secure funding over the 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	81 %	92 %
6.1.6.2	Women	19 %	8 %
		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	Fair
Environmental sustainability	Good
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair
Awareness raising and public information/communication	Good
Marketing and promotion	Fair
Interpretation	Good
Visitor management/tourism	Good
Enforcement (custodians, police)	Good

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

Conservation	Fair
Environmental sustainability	Good
Community participation and inclusion	Good
Risk preparedness	Good
Capacity development and education	Fair
Administration	Good
Research and monitoring	Fair

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

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

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

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

The National Authority for the Protection of Cultural Heritage plans and regularly organizes workshops for conservation experts, site-managers and guides. During Month for National Heritage Protection (April and November), public media actively supports raising awareness of and interest in the management of the property, while on-site management offices hold workshops on basic management issues of the property for the members of public management organs (schools, enterprises, farms, etc.).

#### 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 partially implemented; some technical skills are being transferred to those managing the property locally, **but most technical work is carried out by external staff**

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

NAPCH, including different national and local authorities concerned, site management offices, universities, Korea National Heritage Preservation Agency and Hamhung Branch of State Academy of Sciences collaborate in the aspect. The national conservation team which worked with UNESCO international experts and participated in international workshops play leading role in ensuring 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

The scientific studies and conservation projects carried out in close collaboration with UNESCO World Heritage Centre in the last decade have produced positive results. Further research and conservation activities are necessary.

### 8. Education, Information and Awareness Building

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

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

Local/municipal authorities

Women

Youth/children

Researchers

Local Visitors

National/international tourists

Tourism industry

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

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

The education, information and awareness building are reflected in the curricula of primary, secondary and tertiary education system. Information on the property is available for general public through museums and publications nation-wide. In order to keep up with the requirement of the developing situation, it is necessary to present the tombs as they are in virtual reality based on modern information technology.

**9. Visitor Management**

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

0 / 63700 / 56700 / 57000 / 59700 /

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

Entry tickets and registries

Visitor surveys

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

One to three hours

**9.4 - Please provide the source of information**

Management Office for Tomb of King Tongmyong (Mausoleum of King Tongmyong), Nampho City National Heritage Protection Office, national heritage protection offices of South Phyongan and South Hwanghae provinces.

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

0 / 0 / 5 / 2.5 / 0 / 1 /

**9.6 - Please provide the source of information**

Management Office for Tomb of King Tongmyong (Mausoleum of King Tongmyong), Nampho City National Heritage Protection Office, national heritage protection offices of South Phyongan and South Hwanghae provinces.

**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

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

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

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

Within the framework of national heritage protection system, the effectiveness of tourism management is similarly monitored.

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

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

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

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

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

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

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

**Fees are collected** and make a **substantial contribution** to the management of the World Heritage property

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

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

Yes

If 'Yes', please specify

It contributes to sense of pride and identity for Koreans, and adds to financial support for the conservation of the property adding value to the studies and visitation.

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

Micro-climate , micro-organic and chemical process, architectural stability, the state of mural painting, infiltration of rainwater and ground water, documentation and record of conservation intervention, visitors (day/season/site), publications, world heritage markers, visitation road, service facility, surrounding environment, working effectiveness of Month for National Heritage Protection.

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	Good
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Good
Researchers	Good
Tourism industry	Poor
Local businesses and industry	Non-existent
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.

Recommendation (2020) from World Heritage Centre to update the maps in the nomination of Complex of Koguryo Tombs according to the revised Operational Guidelines was carried out in April 2021.

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

Source of information: Management Office for Tomb of King Tongmyong (Mausoleum of King Tongmyong), Nampho City National Heritage Protection Office, national heritage protection offices of South Phyongan and South Hwanghae provinces, National Authority for the protection of Cultural Heritage under Ministry of Culture, O National Heritage Preservation Agency, National Conservation Team for the preservation of Koguryo Tombs under NAPCH.

### 11. Identification of Priority Management Needs

#### 11.1 - Identification of Priority Management Needs

6.1	<b>Funding</b>		
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff		X
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

4.1	<b>Buildings and Development</b>						
4.1.1		Housing					
4.1.2	Commercial development	Criteria: (i), (iii) (iv) Attributes: Surrounding environment The construction of housing buildings, commercial facilities, major visitor accommodation, and associated infrastructure in the buffer zone are potential negative factors	Any development plan within the buffer zone shall be informed to, evaluated and decided by the National Authority for the Protection Cultural Heritage in accordance to legal and administrative framework of the State.	By Department of Culture of local people's committees concerned, relevant on-site management offices, non-standing national heritage protection committees in the people's committees concerned	On going	Department of Culture of local people's committees concerned Relevant on-site management offices Non-standing national heritage protection committees in the people's committees concerned	n/a
4.3	<b>Services Infrastructures</b>						
4.3.1		Water infrastructure					
4.4	<b>Pollution</b>						
4.4.2		Ground water pollution					

4.5	Biological resource use/modification						
4.5.5	Crop production	Criteria: (i), (iii) (iv) Attributes: Surrounding environment There are rice paddies in the buffer zones of all serial properties except for Ryonggang Great Tomb and Twin-Column Tomb, having currently no negative impact on the property	Prohibition of extension of rice paddies or crop cultivation into the property area	Relevant on-site management offices incl. site managers and supervisors monitor the state and make report upper organs	On going	Relevant on-site management offices Department of Culture of local people's committees concerned Non-standing national heritage protection committees in the people's committees concerned	n/a
4.7	Local conditions affecting physical fabric						
4.7.2	Relative humidity	Criteria: (i), (iii) (iv) Attributes: Mural painting Potential abnormal fluctuation of RH affect the micro-climate accelerating negative physiochemical and micro-organic processes including discoloration of murals, encrustation of muds and salts.	Between 2009 and 2013 waterproofing and drainage system was installed in the Susan-ri Tomb and Yaksu-ri Romb.	The RH is measured regularly with data-loggers or automated hygrothermographs, documented and reported to upper organs and research institutions	long term	Relevant management offices Korea National Heritage Preservation Agency	n/a
4.7.3	Temperature	Criteria: (i), (iii) (iv) Attributes: Mural painting Potential abnormal fluctuation of temperature may bring about discoloration , cracking and softening of the plasetered renders of paintings	Light inside the opened tombs will be replaced LED lights. Protective glass-barrier was installed in the chambers of some tomb to separate visitors from mural painting. The access to the interior of tombs is restricted and phtographing is prohibited	The temperature is merasured regularly in the tombs with data-loggers or automatic hygro-thermographs	Long term	Relevant management offices Korea National Heritage Preservation Agency	n/a
4.7.6	Water (rain/water table)	Criteria: (i), (iii) (iv) Attributes: Mural painting, Architectural stability Potential flooding of tombs may inflict damage to mural paiting and the tomb's architectural stability	Between 2009 and 2012 waterproofing and drainage system was installed in the Susan-ri Tomb and Yaksu-ri Tomb	Water-table is monitored reglularly using piezometric tubes around the tombs	Long term	Nampho City National Heritage Protection Office Korea National Hertage Prrservation Agency	n/a
4.7.8	Micro-organisms	Criteria: (i), (iii) (iv) Attributes: Mural painting Potential abnormal change of micro-climate may accelerae micro-organic processes such as of fungi, nacteria resulting deterioration of mural painting and stone walls	Study to identify the features and species of micro-organism are intensified and result published. Practical treatment to remove them in some tombs is undertaken.	Regular macro-scopic monitoring, recording and reporting by site managers to the concerned organs	Long term	Relevant management offices Korea National Heritage Preservation Agency Kim Il Sung University Hamhung Branch of State Academy of Science	n/a
4.10	Climate change and severe weather events						
4.10.1			Storms				
Question not completed							

## 12.2. Summary - Management Needs

### 12.2.1 - Summary - Management Needs

6.1	Funding						
		Actions	Timeframe	Lead agency (and others involved)	More info / comment		

6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, <b>but most technical work is carried out by external staff</b>	The National Conservation Team commissioned with the task of conservation intervention works with the conservation experts and site managers on-site and shall carry out a regular investigation of conservation state of relics and theoretical and practical workshops two times on an annual basis.	long-term	-National Heritage Protection Office of Pyongyang City -Management Office of Mausoleum of King Tong Myong -National Heritage Protection Office of Nampho City -National Heritage Protection Office of South Phyongan Province	Following are also being involved in capacity building; -National Heritage Protection Office of South Hwanghae Province -Korean National Heritage Preservation Agency -Korean Central History Museum -Hamhung Branch of National Academy of Science
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#### Summary - Management Needs completed

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

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

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

Other	Not applicable
If 'Other', please specify	

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

The property as the World Heritage site provides all Koreans as well as local community with a sense of identity and self-pride, thereby contributing to social cohesion. Meanwhile, it promotes the understanding and respect for the diversity of World Heritage.

## 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

"Months for National Heritage Protection" activity is in place in April and November according to the state policy for the protection of cultural heritage. The participants including local community members such as site managers, experts, farms, schools and etc. , take part in awareness-raising as well as care activities of turf mound, visitation roads and etc. This instils interest and self-pride into local people, enabling them to actively participate in the management, fostering respect for and understanding of cultural diversity including World Heritage in general.

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

Sustainable Development
State of Conservation
Management
Governance
Capacity Building

## 15. Assessment of the Periodic Reporting Exercise

### 15.1. Relevance of Periodic Reporting

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

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

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

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

### 15.2. Use of Data

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

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

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

### 15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff
UNESCO National Commission
Local communities



**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**

90 / 40 / 20 /

**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?**

All 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)	Good
UNESCO National Commission	Good
ICOMOS International	Poor
IUCN International	Not applicable
ICCROM international/regional	Not applicable
ICOMOS national/regional	Good
IUCN national/regional	Not applicable

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

UNESCO World Heritage Centre	Good
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Good
National Commission for UNESCO	Good
ICOMOS International	Poor
ICCROM International/regional	Not applicable
ICOMOS national/regional	Good
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**

- **Map(s)**

Reason for update: In compliance with the latest Operational Guidelines for the Implementation of the Convention, and following the request by the WHC to revise maps of properties inscribed between 1999 and 2006, the State Party undertook the due revision and submitted the maps by the end of April.

Changes to these items will need to go through the proper processes.

#### **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.**