Piazza del Duomo, Pisa

1. World Heritage Property Data

1.1 - Name of World Heritage property

Piazza del Duomo, Pisa

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Piazza del Duomo, Pisa	43.723 / 10.396	8.87	254	262.87	1987
Total (ha)		**8.87**	**254**	**262.87**	

1.4 - Map(s)

Title	Date	Link to source
Piazza del Duomo di Pisa. Richiesta di estensione del perimetro del sito, Scale by calculation ~ 1:2,220	2007	
Piazza del Duomo di Pisa. Richiesta di estensione del perimetro del sito, Scale by calculation 1:25,000	2007	

Comment

In order to ensure adequate quality, a new graphic version of the site maps has been submitted to the World Heritage Centre. The new layout has been designed in accordance with the requirements listed by WHC, without any modification of the property delimitations.

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

1. Rete Civica Pisana
2. Pisa in Virtual Reality
3. Opera Primaziale Pisana
4. Opapisa (in Italian)

Comment

https://www.comune.pisa.it/it https://www.opapisa.it/en/ https://www.turismo.pisa.it/patrimonio-mondiale https://www.toscanapatrimoniomondiale.it/it/

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

2.2 - Please provide comments on 2.1 if necessary

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?

No

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?
No

2.5 - Do your national authorities intend to designate whole or part of the World Heritage property as a Man and Biosphere Reserve (if relevant) in the next three years?
No

2.6 - Do your national authorities intend to apply for whole or part of World Heritage property to be designated as a UNESCO Global Geopark (if relevant) in the next three years?
No

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

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

2.8 - 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?
Not aware

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

2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?
Not aware

2.12 - Please list any documentary heritage associated with the World Heritage property listed under the Memory of the World

Programme of which you aware.

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

Piazza del Duomo houses a group of monuments known throughout the world. Standing in a large green expanse, enclosed by the city walls, the former Ospedale della Misericordia and the Palazzo dell'Arcivescovato, the Piazza del Duomo at Pisa comprises one of the most renowned constructed landscapes in the world. The four masterpieces of medieval architecture – the cathedral, the baptistery, the bell tower (the 'Leaning Tower') and the cemetery – were erected between the 11th and 14th centuries within close proximity of each other, forming a unique cluster of monuments. A striking quality pervades the site, emanating from the interplay of marble and mosaics, the usual alliance of bare walls and arched galleries, triangular frontons and heavy cupolas with the whole effect heightened by the breath-taking slant of the bell tower.

The square is remarkable since it contains works of art that bear witness to the creative spirit of the 14th century. Its monuments reflect such a decisive stage in the history of medieval architecture that they have become a reference point for studies related to the Pisan Romanesque style. The Camposanto and its cycle of frescoes, with particular typology and use, constitute an outstanding example for the history of Italian medieval painting of the 14th and 15th centuries.

Criterion (i): Artistically unique because of its spatial design, the Piazza del Duomo contains four absolute architectural masterpieces: the cathedral, the baptistery, the bell tower and the Campo Santo. Within these monuments are such world-renowned art treasures as the bronze doors and mosaics of the cathedral, the pulpits in the baptistery and cathedral, the frescoes of the Campo Santo, and many others.

Criterion (ii): The monuments of the Piazza del Duomo considerably influenced the development of architecture and monumental arts at two different times in history. First, from the 11th century up to 1284, during the epitome of Pisa's prosperity, a new type of church characterized by the refinement of polychrome architecture and the use of loggias was established. The Pisan style that first appeared with the Cathedral can be found elsewhere in Tuscany (notably at Lucca and Pistoia), but also within the Pisan maritime territory, as shown in more humble form by the "pieve" in Sardegna and Corsica. Later, during the 14th century, architecture in Tuscany was dominated by the monumental style of Giovanni Pisano (who sculpted the pulpit of the Cathedral between 1302 and 1311), a new era of pictorial art - the Trecento - was ushered in after the epidemic of the Black Death (Triumph of Death, a fresco by Bonamico Buffalmacco at the Campo Santo, c. 1350).

Criterion (iv): The group of monuments of the Piazza del Duomo, composed of typical religious buildings constructed for distinct and specific functions, constitutes an outstanding example of medieval Christian architecture.

Criterion (vi): It was at the Cathedral of Pisa that Galileo Galilei (1564-1642), observing the oscillations of the bronze chandelier created by Battista Lorenzi, discovered at the age of 19 the theory of isochronism of small oscillations, a prelude to his pioneering work on dynamics. From the top of the campanile, he conducted experiments, which led him to formulate the laws governing falling bodies. Two of the principal buildings of the Piazza dei Miracoli are thus directly and tangibly associated with a decisive stage in the history of physical sciences.

Integrity

The Piazza del Duomo, as seen today, is a monumental complex and a public space that results from a long process that dates back to the Middle Ages. It began in 1064, with the foundation of the new Cathedral, and was concluded in the 14th century with the definition of a veritable "square". The inscribed property encompasses 8.87 ha with a 254 ha buffer zone that includes all the necessary elements to convey the Outstanding Universal Value of the property. The interventions made over the centuries, after the completion of the square, have preserved the integrity of the structures and the spatial relationship between the monuments themselves, and between the monuments and their historical context, is maintained and are at present visible and comprehensible. The extension of the property has also ensured that the three main visual axes are adequately preserved. The creation of a buffer zone has also provided an additional layer of protection to the visual qualities and attributes of the property, although further protection might be warranted to the north and west of the inscribed property.

Authenticity

The monumental complex of the Piazza del Duomo of Pisa has retained over time the historical and artistic qualities and attributes that convey its Outstanding Universal Value. After the construction of the monumental buildings and of the square, the numerous interventions have strengthened the relationship between the square and the city, while respecting the values and significance of the buildings of the monumental complex. In more recent times, all the restoration works have been carried out by qualified personnel and have met both international and national standards for practice. The authenticity of the property, particularly in terms of location and setting, and form and design has been maintained over time.

Protection and management requirements

There is an adequate legislative and protection framework in place at the national level, which is reflected, in the municipal plans. Under such legislation, any work must first be approved by the Ministry of Cultural Heritage and Activities and Tourism through its local offices. According to the law the area is also subject to archaeological restrictions.

There is also zoning at the local level for the area of the inscribed property and uses are recognized in the city plan as A, B, C, i.e.: -A: ordinary maintenance -B: extraordinary maintenance -C: restoration and conservative reclamation. As to their intended use, sites of architectural interest are marked as "urban facilities" and in particular the Monumental cemetery is considered as a museum. The lawn areas are marked in the same plan as "gardens of historical, architectural or natural value", and the city planning regulations put them in class value A, "Preservation area". According to these planning tools, the design and all historical parts have to be preserved.

A very ancient institution, the Opera Primaziale Pisana, supervises the management system. The Opera was set up in 1063 and is run by a Deputation (similar to a Board of Directors) which is composed of several members coming from the Diocesan Ordinary and Ministry of Internal Affairs. The management structure is legally constituted and pursues exclusively social solidarity purposes, in the following areas:

a) Care, protection, preservation and maintenance, promotion of the image and development of the site, by taking care in particular, of the administration, maintenance, monitoring of the state of conservation of the property, as well as preservation and restoration actions for inscribed buildings and temporary assets; of purchasing and maintaining the furnishings, furniture and equipment;

b) Promoting the knowledge of the history and art in all their forms and cultural manifestations, with reference to the monumental complex and to the other assets. An underlying premise of the management system is that buildings cannot be interpreted individually and have therefore to be considered in relation to the setting as a whole. Management provisions consider this overarching policy in the adopted legislation and in the guidance for technical and scientific criteria for interventions.

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	spatial characteristics of the Piazza and the mutual relationship among the monuments	✖			
3.2.2	architectural and artistic features, expression of the medieval spirit within the Pisan area	✖			
3.2.3	distinct profile and setting of the group of monuments within the urban fabric	✖			
3.2.4	ongoing spiritual use of the monuments	✖			
3.2.5	identity and symbolic value of the complex referred to the city of Pisa	✖			
3.2.6					
3.2.7					
3.2.8					
3.2.9					
3.2.10					
3.2.11					
3.2.12					
3.2.13					
3.2.14					
3.2.15					

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

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing
Previous answer Cycle 2 (30/07/2014):
- Relevant, Negative, Potential, Outside

Relevant	✖ Not relevant

4.1.2 - Commercial development
Previous answer Cycle 2 (30/07/2014):
- Relevant, Negative, Current, Inside

✖ 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 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.1.5 - Interpretative and visitation facilities
Previous answer Cycle 2 (30/07/2014):
- Relevant, Positive, Current, Potential, Inside

✖ 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

ICOMOS, with Circular No. 395/2007, suggests that the State Party might wish to consider extending protection of a buffer zone to the north and west of the property. According to MP, Action 3, the "area of respect" of the property must be determined through appropriate processes which include planning, implementation, monitoring, evaluation of impacts and feedback cycle. Existing urban planning instruments consider the MP as reference point to guarantee the protection of the area.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure
Previous answer Cycle 2 (30/07/2014):
- Relevant, Positive, Negative, Potential, Outside

✗ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	Current	Potential	Inside	Outside	Decreasing	Stable	Increasing
⊕ Positive ✗		✗		✗		→	
⊖ Negative							

4.2.2 - Underground transport infrastructure
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✗ Not relevant

4.2.3 - Air transport infrastructure
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✗ Not relevant

4.2.4 - Marine transport infrastructure
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✗ Not relevant

4.2.5 - Effects arising from use of transportation infrastructure
Previous answer Cycle 2 (30/07/2014):
- Relevant, Negative, Potential, Outside

Relevant	✗ Not relevant

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

The Municipal Administration, as specified also in the Management Plan, has developed and is enhancing a sustainable mobility project and initiated a bike sharing service. The extension of safe cycle paths, connecting also to the property, has been significantly increased.

4.3. Services Infrastructures

4.3.1 - Water infrastructure
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✗ Not relevant

4.3.2 - Renewable energy facilities
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✗ Not relevant

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.3.4 - Localised utilities

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.3.5 - Major linear utilities

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

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 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.4.2 - Ground water pollution

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.4.3 - Surface water pollution

Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant			Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🚩 **Current**	🚩 **Potential**	⊙ **Inside**	🏳 **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive							
⊖ Negative ✖	✖			✖		→	

4.4.4 - Air pollution

Previous answer Cycle 2 (30/07/2014):
- Relevant, Negative, Current, Outside

✖ Relevant			Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🚩 **Current**	🚩 **Potential**	⊙ **Inside**	🏳 **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive							
⊖ Negative ✖	✖			✖			↗

4.4.5 - Solid waste

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.4.6 - Input of excess energy

Previous answer Cycle 2 (30/07/2014):
- 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

4.5. Biological resource use/modification

4.5.1 - Fishing/collecting aquatic resources
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.2 - Aquaculture
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.3 - Land conversion
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.5 - Crop production
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.6 - Commercial wild plant collection
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.7 - Subsistence wild plant collection
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.8 - Commercial hunting
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.9 - Subsistence hunting
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.5.10 - Forestry/Wood production
Previous answer Cycle 2 (30/07/2014):
- Not relevant

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

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (30/07/2014):

- Not relevant

Relevant	✖ Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (30/07/2014):

- Not relevant

✖ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🚩 **Current**	🚩 **Potential**	⦿ **Inside**	⦿ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive ✖		✖		✖		→	
⊖ Negative							

4.6.3 - Oil and gas

Previous answer Cycle 2 (30/07/2014):

- Not relevant

Relevant	✖ Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (30/07/2014):

- 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 (30/07/2014):

- Relevant, Negative, Potential, Outside

✖ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🚩 **Current**	🚩 **Potential**	⦿ **Inside**	⦿ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive							
⊖ Negative ✖		✖		✖		→	

4.7.2 - Relative humidity

Previous answer Cycle 2 (30/07/2014):

- Relevant, Negative, Current, Outside

✖ 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 (30/07/2014):

- Relevant, Negative, Current, Outside

✖ Relevant				Not relevant		
Impact	**Impact**		**Origin**		**Trend of impact**	
Impact	🏳 **Current**	🏳 **Potential**	◉ **Inside**	☁ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
➕ Positive							
➖ Negative ✖	✖		✖	✖			↗

4.7.4 - Radiation/Light

Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant				Not relevant		
	Impact		**Origin**		**Trend of impact**	
Impact	🏳 **Current**	🏳 **Potential**	◉ **Inside**	☁ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
➕ Positive							
➖ Negative ✖		✖	✖	✖			↗

4.7.5 - Dust

Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant				Not relevant		
	Impact		**Origin**		**Trend of impact**	
Impact	🏳 **Current**	🏳 **Potential**	◉ **Inside**	☁ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
➕ Positive							
➖ Negative ✖		✖	✖	✖		→	

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant				Not relevant		
	Impact		**Origin**		**Trend of impact**	
Impact	🏳 **Current**	🏳 **Potential**	◉ **Inside**	☁ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
➕ Positive							
➖ Negative ✖		✖		✖		→	

4.7.7 - Pests

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.7.8 - Micro-organisms

Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant				Not relevant		
	Impact		**Origin**		**Trend of impact**	
Impact	🏳 **Current**	🏳 **Potential**	◉ **Inside**	☁ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
➕ Positive							
➖ Negative ✖		✖	✖	✖		→	

4.7.9 - Please comment as necessary on how the factors selected as relevant in 4.7 are affecting the property either negatively or positively

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses
Previous answer Cycle 2 (30/07/2014):
- Relevant, Positive, Current, Inside

✖ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🏳 **Current**	🏳 **Potential**	⊙ **Inside**	🏴 **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive ✖	✖		✖			→	
⊖ Negative							

4.8.2 - Society's valuing of heritage
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.8.3 - Indigenous hunting, gathering and collecting
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.8.4 - Changes in traditional ways of life and knowledge system
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.8.5 - Identity, social cohesion, changes in local population and community
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.8.6 - Impacts of tourism/Visitation/Recreation
Previous answer Cycle 2 (30/07/2014):
- Relevant, Positive, Negative, Current, Potential, Inside, Outside

✖ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🏳 **Current**	🏳 **Potential**	⊙ **Inside**	🏴 **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive ✖	✖		✖				↗
⊖ Negative ✖	✖	✖	✖	✖		→	

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

4.9. Other human activities

4.9.1 - Illegal activities
Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🏳 **Current**	🏳 **Potential**	⊙ **Inside**	🏴 **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive							

						→	
⊖ Negative ✕	✕	✕	✕	✕		→	

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (30/07/2014):
- Relevant, Negative, Potential, Outside

✕ Relevant				Not relevant			
	Impact		**Origin**		**Trend of impact**		
Impact	🚩 **Current**	🚩 **Potential**	◉ **Inside**	⬱ **Outside**	↘ **Decreasing**	→ **Stable**	↗ **Increasing**
⊕ Positive							
⊖ Negative ✕		✕		✕	↘		

4.9.3 - Military training

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.9.4 - War

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

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

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.10.2 - Flooding

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✕ Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	Not relevant
	✖

4.10.6 - Temperature change

Previous answer Cycle 2 (30/07/2014):
- Not relevant

✖ Relevant						Not relevant	

	Impact		Origin		Trend of impact		
Impact	▤ Current	▤ Potential	◉ Inside	▤ Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive							
⊖ Negative ✖		✖	✖	✖			↗

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (30/07/2014):
- Not relevant

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

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	Not relevant
	✖

4.11.2 - Earthquake

Previous answer Cycle 2 (30/07/2014):
- Relevant, Negative, Potential, Outside

✖ Relevant						Not relevant	

	Impact		Origin		Trend of impact		
Impact	▤ Current	▤ Potential	◉ Inside	▤ Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive							
⊖ Negative ✖		✖		✖		→	

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	Not relevant
	✖

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	Not relevant
	✖

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	Not relevant
	✖

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (30/07/2014):
- 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 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.12.2 - Invasive/Alien terrestrial species
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.12.3 - Invasive/Alien freshwater species
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.12.4 - Invasive/Alien marine species
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.12.5 - Hyper-abundant species
Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

4.12.6 - Modified genetic material
Previous answer Cycle 2 (30/07/2014):
- 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 (30/07/2014):
- Relevant, Positive, Current, Inside

✖ Relevant				Not relevant			

	Impact		Origin		Trend of impact		
Impact	◀ Current	◀ Potential	◉ Inside	◀ Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive ✖	✖		✖	✖			↗
⊖ Negative							

4.13.5 - Financial resources

✖ Relevant				Not relevant			

	Impact		Origin		Trend of impact		
Impact	◀ Current	◀ Potential	◉ Inside	◀ Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive ✖		✖	✖			→	
⊖ Negative							

4.13.6 - Human resources

✖ Relevant				Not relevant			

	Impact		Origin		Trend of impact		
Impact	◀ Current	◀ Potential	◉ Inside	◀ Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive ✖		✖	✖	✖		→	
⊖ Negative							

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (30/07/2014):
- Relevant, Positive, Current, Potential, Inside, Outside

✖ Relevant				Not relevant			

	Impact		Origin		Trend of impact		
Impact	◀ Current	◀ Potential	◉ Inside	◀ Outside	↘ Decreasing	→ Stable	↗ Increasing
⊕ Positive ✖		✖	✖			→	
⊖ Negative							

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (30/07/2014):
- Not relevant

Relevant	✖ Not relevant

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

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						
4.1.2 Commercial development						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
4.4 Pollution						
4.4.3 Surface water pollution						
4.4.4 Air pollution						
4.6 Physical resource extraction						
4.6.2 Quarrying						
4.7 Local conditions affecting physical fabric						
4.7.1 Wind						
4.7.2 Relative humidity						
4.7.3 Temperature						
4.7.4 Radiation/Light						
4.7.5 Dust						
4.7.6 Water (rain/water table)						
4.7.8 Micro-organisms						
4.8 Social/Cultural uses of heritage						
4.8.1 Ritual/Spiritual/Religious and associative uses						
4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.1 Illegal activities						
4.9.2 Deliberate destruction of heritage						
4.10 Climate change and severe weather events						
4.10.6 Temperature change						

Name	Impact			Origin		Trend
	Negative		Current	Inside	Outside	↗
4.11 Sudden ecological or geological events						
4.11.2 Earthquake						
	Negative		Current		Outside	→
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	Positive	Current		Inside	Outside	↗
4.13.2 Legal framework	Positive	Current			Outside	↗
4.13.3 Governance	Positive	Current			Outside	↗
4.13.4 Management activities	Positive	Current		Inside	Outside	↗
4.13.5 Financial resources	Positive		Potential	Inside		→
4.13.6 Human resources	Positive		Potential	Inside	Outside	→
4.13.7 Low impact research/monitoring activities	Positive		Potential	Inside		→

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
4.1.2 Commercial development						
	Negative	🚩 Current		Inside		↘

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 - Developement 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 - 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 - Developement over the last 6 years	
✖	Decreasing
	Static
	Increasing

4.2 Transportation Infrastructure

Name	Impact		Origin	Trend
4.2.1 Ground transport infrastructure	◉	◀	☞	→

Spatial scale - Area affected by the factor	
	Restricted
✖	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✖	On-going

Impact - Impact on the attributes	
	Insignificant
✖	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
✖	Medium capacity
	Low capacity
	No capacity and / or resources

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

4.4 Pollution

Name	Impact			Origin		Trend
4.4.3 Surface water pollution						
	⊖	📢			↻	→

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 - Developement over the last 6 years

	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.4.4 Air pollution						
	⊖	🚩			☁	↗

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 - Developement over the last 6 years

	Decreasing
	Static
✖	Increasing

4.6 Physical resource extraction

Name	Impact			Origin		Trend
4.6.2 Quarrying	○		◁		☞	→

Spatial scale - Area affected by the factor	
✖	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - 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 - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

4.7 Local conditions affecting physical fabric

Name	Impact			Origin		Trend
4.7.1 Wind						
	⊖		◁		☞	→

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 - Developement over the last 6 years

	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.7.2 Relative humidity						
	⊖	🚩		◉	🔄	→

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 - Developement over the last 6 years

	Decreasing
✖	Static
	Increasing

Name		Impact			Origin		Trend
4.7.3 Temperature							
		⊖	🚩		◉	🍃	↗

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 - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name		Impact			Origin		Trend
4.7.4 Radiation/Light							
		⊖		🚩	◉	🍃	↗

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

Trend - Developement over the last 6 years

	Decreasing
✖	Decreasing
	Static
	Increasing

Name	Impact			Origin		Trend
4.7.5 Dust						
	⊖		🚩	◉	🍃	→

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

Trend - Developement over the last 6 years

	Decreasing
✖	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 - 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 - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.7.8 Micro-organisms						
	⊖		◁	◉	☞	→

Spatial scale - Area affected by the factor	
✖	Restricted
	Localised
	Extensive
	Widespread

Temporal scale - 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 - Developement over the last 6 years

✖	Decreasing
	Static
	Increasing

4.8 Social/Cultural uses of heritage

Name	Impact			Origin		Trend
4.8.1 Ritual/Spiritual/Religious and associative uses	⊕	⚑		◉		→

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 - Developement over the last 6 years	
	Decreasing
✖	Static
	Increasing

Name	Impact			Origin		Trend
4.8.6 Impacts of tourism/Visitation/Recreation	🟢	🚩		◎		↗
	🔴	🚩	🚩	◎	☞	→

Spatial scale - Area affected by the factor	
	Restricted
✖	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
✖	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
✖	Significant
	Major

Management response - Capacity of management to respond	
✖	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

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

4.9 Other human activities

Name	Impact			Origin		Trend
4.9.1 Illegal activities						
	🔴	🚩	🚩	◎	☞	→

Spatial scale - Area affected by the factor	
	Restricted
✖	Localised
	Extensive
	Widespread

Temporal scale - Occurence of the impact
✖	One off or rare
	Intermittent or sporadic
	Frequent
	On-going

Impact - Impact on the attributes
✖	Insignificant
	Minor
	Significant
	Major

Management response - Capacity of management to respond
✖	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources

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

Name	Impact			Origin		Trend
4.9.2 Deliberate destruction of heritage						
	🚫		🚩		↻	↘

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 - Developement over the last 6 years	
✖	Decreasing
	Static
	Increasing

4.10 Climate change and severe weather events

Name	Impact			Origin		Trend
4.10.6 Temperature change						
	⊖		🚩	◉	🍃	↗

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 - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

4.11 Sudden ecological or geological events

Name	Impact			Origin		Trend
4.11.2 Earthquake						
	⊖		🚩		🍃	→

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 - Developement over the last 6 years	
	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 - 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 - Developement 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 - 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 - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.13.3 Governance	⊕	🚩			☁	➚

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 - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

Name	Impact			Origin		Trend
4.13.4 Management activities	⊕	⚑		◉	☞	↗

Spatial scale - Area affected by the factor	
	Restricted
	Localised
✖	Extensive
	Widespread

Temporal scale - Occurence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✖	On-going

Impact - Impact on the attributes	
	Insignificant
	Minor
✖	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Developement 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 - 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 - Developement over the last 6 years

	Decreasing
	Static
✖	Increasing

Name	Impact			Origin			Trend
4.13.6 Human resources	⊕		🚩	◉		🖝	➡

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 - Developement over the last 6 years

	Decreasing
	Static
✖	Increasing

Name	Impact		Origin		Trend
4.13.7 Low impact research/monitoring activities	⊕		◀	◉		→

Spatial scale - Area affected by the factor

	Restricted
✖	Localised
	Extensive
	Widespread

Temporal scale - 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 - Developement over the last 6 years	
	Decreasing
	Static
✖	Increasing

4.17. Serial inscriptions (national or transnational)

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

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	Spatial characteristics of the Piazza and the mutual relationship among the monuments	✖			
4.18.1.2	Architectural and artistic features, expression of the medieval spirit within the Pisan area	✖			
4.18.1.3	Distinct profile and setting of the group of monuments within the urban fabric	✖			
4.18.1.4	Ongoing spiritual use of the monuments	✖			
4.18.1.5	Identity and symbolic value of the complex referred to the city of Pisa	✖			

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 **do not limit** the ability to maintain the property's Outstanding Universal Value but they could be improved

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 site is protected under Ronchey Decree 14 November 1992, no. 433, as converted into Act 14 January 1993, no. 4 (see 03.06).
- In the structural plan approved by resolution of the Municipal Council no. 103 dated 2.10.1998 the Carta di Ricognizione dei Vincoli Sovraordinati shows that Piazza del Duomo is subject to a restriction pursuant to Ministerial Decree 10 September 1957 due to the declaration of public interest of all green areas inside the city walls. In addition, as is known, the area is also subject to an archaeological restriction pursuant to Act 1089 dated 1939 and following, Consolidation Act.
- The sites of UNESCO architectural interest - Piazza dei Miracoli area - are marked in the city plan as A, B, C. A concerns ordinary maintenance; B concerns extraordinary maintenance; C concerns restoration and conservative reclamation. As to their intended use, the above-mentioned sites of architectural interest are marked in the Carta di Regolamento Urbanistico, as "urban facilities" and in particular the Monumental Cemetery is considered acting as a Museum. As to the lawn areas, they are marked in the same Plan as "gardens of historical, architectural or natural value": the city planning regulations put them in the class value A, "Preservation area", which rules that their design and all historical parts be preserved. In the local qualitative and functional objectives of UTOE 3 (Unità Territoriale Omogenea Elementare) "Progetto Parco Museale", to which Piazza del Duomo of Pisa belongs, special prominence is given to the building of a pedestrian road connecting Piazza dei Miracoli with the Arsenal "La Cittadella", enabling people to rediscover the route of the mediaeval walls.
- The municipal planning tool has been updated recently, with the rise of the protection standards, particularly in the areas: traffic, commerce, roads, parking lots and residences.

Source: Periodic Reporting Cycle 1, Periodic Reporting Cycle 2

Comment

The site is protected under Ronchey Decree 14 November 1992, no. 433, as converted into Act 14 January 1993, no. 4 (see 03.06). The structural plan approved by resolution of the Municipal Council no. 30 dated 28.03.2023 incorporates the Management Plan. The Inter institutional committee has regulated the commercial activities not eligible with protection and enhancement of the core area.

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

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

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

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

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

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

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

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

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

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

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

5.3. Management System/Management Plan

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

If 'Other', please specify

Ministry Of Culture, Regional Secretariat for Tuscany, Superintendence of Archeology, Fine Arts and Landscape for the Provinces of Pisa and Livorno, Tuscany Region, Municipality of Pisa, Opera della Primaziale Pisana

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.
Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management
A management plan
An annual work plan or business plan

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

The management plan is elaborated thanks to the involvement of all levels of competence (national, regional, provincial, municipal) involved in the protection of the World Heritage site that are confronted within the Steering Committee.

5.3.4 - Management Documents

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

Some use has been made of the 2011 Recommendation on the Historic Urban Landscape

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

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

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:

The Monitoring and Evalutation System developed in the MP, provide relevant information to assess the ability of each intervention to contribute to the achievement of the Strategic Objectives (5Cs) and desired outcomes UNESCO Culture 2030|Indicators. MP intends to affect as many as 15 out of the 22 areas identified by UNESCO. With respect to "environment and resilience" indicators MP contributes to the following impact: Expenditures on CH, Sustainable management of CH, Open space for culture.

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

After the 2016 hearthquaque and according to the following Risk Charter (24 July 2020) and the Ministry of Cultural Heritage Decree no. 579 (14/12/2020), a Extraordinary Monitoring Plan for the monumental complex of the Cathedral Square in Pisa has been implemented to prevent risks affecting the integrity of CH sites: terrestrial and satellite monitoring of monumental buildings and its combined use with archival data aimed at assessing and managing the potential risks.

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 **only partially implemented**

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

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

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

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	0 %	0 %
6.1.1.5	International donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.6	Governmental (national/federal)	0 %	0 %
6.1.1.7	Governmental (regional/provincial/state)	1 %	11 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	1 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	91 %	82 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	1 %	2 %
6.1.1.12	Other	7 %	4 %
		Total 100 %	Total 100 %

6.1.2 - Please comment here on any other aspects of funding sources not covered in the table above
The first source of revenue is the entrance fees to the monuments and Opera della Primaziale Pisana has always been able to manage the conservation and enhancement of the property, according with its mission and charter, which is based on 4 pillars: preserve, maintain, hand down and enhance. In addition to this, specific project have been funded over time by UE, State or through Tuscany Region funding. These projects were aimed at conservation, communication or research activities.

6.1.3 - Is the current budget sufficient to manage the World Heritage property effectively?
The available **budget is adequate** for effective management of the World Heritage property

6.1.4 - Are the existing sources of funding secure and likely to remain so?
The existing sources of funding are **secure over both the medium- and long-term**

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

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

		From local communities %	From elsewhere %
6.1.6.1	Men	62 %	34 %

6.1.6.2	Women	38 %	66 %
		Total 100 %	Total 100 %

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

Human resources are **adequate** for management needs

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

Conservation	Good
Environmental sustainability	Not applicable
Community participation and inclusion	Fair
Risk preparedness	Fair
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Good

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

Conservation	Good
Environmental sustainability	Not applicable
Community participation and inclusion	Fair
Risk preparedness	Good
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Fair
Marketing and promotion	Fair
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

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

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.

According to Management Plan: the following ACTIONS are planned /ongoing: 1 Interistitutional collaboration for access to culture and research 10 Knowledge of the public 12 Training Programs for Institutions responsible for the Enhancement of the Site 13 Training Programs for Researchers and Bodies specialized in high-profile scientific information dissemination 16 Community engagement support strategy through WH education and training 17 Implementation of the new governance model

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

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

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

7. Scientific Studies and Research Projects

7.1 - Is there adequate knowledge (scientific or traditional) about the values and attributes of the World Heritage property to support

planning, management and decision-making to ensure that Outstanding Universal Value is maintained?

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

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

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

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

Research results **are shared with local communities and some national agencies**

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

8. Education, Information and Awareness Building

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

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

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

Visitor centre	Good
Site museum	Good
Information booths	Fair
Guided tours	Good
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

9. Visitor Management

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

1171262 / 526252 / 436188 / 1679838 / 1690023 /

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

Entry tickets and registries

9.3 - What is the average length stay of a visitor to the World Heritage property?
One day (no overnight stay)

9.4 - Please provide the source of information

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

0 / 0 / 0 / 0 / 0 / 0 /

9.6 - Please provide the source of information
The only source of information we have is the ticketing system for the monuments in Piazza del Duomo, including access to the Opera della Primaziale Pisana website. No source is available to estimate the items indicated in question 9.5. One method to retrieve this information could be, in the future, to submit an online or onsite questionnaire to collect sufficient and meaningful data from a sample of visitors.

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
According to Managment Plan, Action 5, a specific project has been set up to strengthen the connection of Piazza del Duomo to the east and west city sides and their cultural sites, currently marginalized by visitors' flows.

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
Indicators on the number of visitors through the ticketing system.

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 presentation and interpretation of the Outstanding Universal Value of the property **is acceptable but improvements could be made**

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
All the events of the "Giugno Pisano" start with the feast of the Patron Saint, with celebrations taking place in the cathedral and city events (Luminaria, Gioco del Ponte) involving the historic center. Conferences on local or international themes, temporary exhibitions, and sacred music festivals open to all citizens are held annually in the Piazza del Duomo. Specific in-depth initiatives are then addressed to the local community in the site's museums and monuments.

9.16 - Are the benefits of tourism shared with local communities?
Not applicable

If 'Yes', please specify

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

10. Monitoring

10.1 - Is there a monitoring programme at the property directed towards management needs and/or towards improving the

understanding of the Outstanding Universal Value?

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

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

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

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

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

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

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

World Heritage managers/coordinators and staff	Good
Local/municipal authorities	Good
Local communities	Fair
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Not applicable
Researchers	Fair
Tourism industry	Good
Local businesses and industry	Fair
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.

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

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.3	Management System/Management Plan	
5.3.5	**Some use** has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property	✖
5.3.13	The management system at the property is **only being partially implemented**	✖
9	Visitor Management	
9.12	The presentation and interpretation of the Outstanding Universal Value of the property **is acceptable but improvements could be made**	✖

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.1	Buildings and Development						
4.1.2	Commercial development	Criteria (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	MP Action 4 define regulations for commercial activities both permanent and mobile in the areas outside the core zone. The goals of the project reflect the Agreement signed on 09/29/2015 between Municipality and Ministry of Cultural Heritage	Project monitoring and evaluation activities will be carried out according to the KPIs indicators: Deviation (number of days) between the time planned for the realization of the project and actual days to execute, Degree of completion of the project	In the mid-term an Interinstitutional roundtables will meet an action strategy. For the realization of the project a duration of 9-12 months is expected.	Municipality of Pisa. Superint. of Archeology, Fine Arts and Landscape of Pisa and Livorno. Opera della Primaziale Pisana Tuscany Region. Ministry of Cultural Heritage and Activities and Tourism.	Commercial activities in public areas of itinerant form with parking concession is not compatible with the protection and enhancement of the areas adjacent to Piazza del Duomo. The dispute with the stall owners is still ongoing.
4.4	Pollution						
4.4.3	Surface water pollution	Criteria (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	Diagnostic campaign to investigate the main degradation problems (characterization of salts and deterioration products). Periodical cleaning of stone surfaces by removing soil pollutant agents. Consolidation of stone surfaces and decorated element	Annual monitoring of external and internal surfaces and multi-material artifacts. Degradation mapping update. Monitoring of the degradation trend in order to schedule the frequency of restoration work. GIS recording of all conservative interventions	Annaul generic inspection of all the stone and decorative surfaces. Higher frequency for those areas and those artworks classified as "high risk" (on six-months basis at least).	Opera della Primaziale Pisana, under the supervision of the local Ministry of Cultural Heritage office.	In order to avoid any tourists restrictions, periodical inspections are carried out on rope thanks to high qualified internal techical personnel.
4.4.4	Air pollution	Criteria: (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	Periodical cleaning of stone surfaces by removing soil pollutant agents. Consolidation of stone surfaces and decorated elements. Removal of unsafe architectural elements and their replacement with a copy to preserve the original morphology.	Annual monitoring of external and internal surfaces and multi-material artifacts. Degradation mapping update. Monitoring of the degradation trend in order to schedule the frequency of restoration works. GIS recording of all conservative intervention	Annaul generic inspection of all the stone and decorative surfaces. Higher frequency inspections for those areas and those artworks classified as "high risk" (on six-months basis at least).	Opera della Primaziale Pisana, under the supervision of the local Ministry of Cultural Heritage office.	Organic artworks displayed in showcases are daily basis monitored and an air exchange system is provided.
4.7	Local conditions affecting physical fabric						
4.7.1	Wind	Criteria: (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	Set up of criteria and operating procedures for the management and scheduling of inspections and verifications of all architectural and decorative elements placed at height, whose degradation may constitute a danger to public and private safety.	The monitoring of architectural surfaces is essentially carried out by periodic visual inspection, conducted, if necessary, also with the aid of lifting equipment or with operators specialized in work-at-height techniques.	Annual	Opera della Primaziale Pisana	2019-Ongoing : the Guidelines of Periodic Inspections have been set up and approved by the round table of technicians and engeneers of Associazione Fabbricerie Italiane, which gather the most important italian cathedrals. AFI is based in Pisa.

4.7.2	Relative humidity	Criteria: (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	Main condensation problems are recorded on the frescoes of the cemetery. In order to block the phenomenon of condensation, special heating films are activated on the back of the frescoes when critical values are achieved.	Data logger system collected in order to monitoring the temperature and RH trend.	On a daily basis.	Opera della Primaziale Pisana, under the supervision of the local Ministry of Cultural Heritage office.	Organic artworks displayed in showcases are daily basis monitored and an air exchange system is provided.
4.7.3	Temperature	Criteria: (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	Lead roofs of monumental buildings are subjected to dimensional movements due to high temperature reached, that may provoke cracks. A local replacement of lead sheets is provided during the annual degradation monitoring on rope.	Annual monitoring of external and internal surfaces and multi-material artifacts. Degradation mapping update. Monitoring of the degradation trend in order to schedule the frequency of restoration work.	Annaul generic inspection.	Opera della Primaziale Pisana, under the supervision of the local Ministry of Cultural Heritage office.	Organic artworks displayed in showcases are monitored on daily basis .
4.7.4	Radiation/Light	Criteria: (i); (ii); (iv); Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	In order to mitigare the risks affecting indoor organic artworks, a controlled system of lighting has been set up in all the showcases, according to UNI CEN/TS 16163:2014 parameter.	Sensors have been installed to detect any deviation.	Ongoing	Opera della Primaziale Pisana	In general, interior environmental conditions are monitored. Where the monumental building permits, natural lighting has been removed. The OPA Museum, recently renovated, has a lighting system that fully respects regulatory parameters of radiation
4.7.6	Water (rain/water table)	Criteria: (i) (ii) (iv) Attributes: 1. spatial characteristics of the Piazza and the mutual relationship among the monuments 3. distinct profile and setting of the group of monuments within the urban fabric	Census of deep groundwater wells within a radius of 2 km from the site. All water abstraction is subject to prior authorisation. System of piezometric wells in the area surrounding the leaning tower for surface groundwater control.	A Surveillance Group is specifically appointed for the constant monitoring of the surface groundwater around the Tower by an instrumental control system.	Ongoing, constant	Regional office of Civil Engineering University of Pisa Surface Water Table Monitoring Group	The Surveillance Group meets periodically to analyse the data collected from the piezometric well system
4.8	**Social/Cultural uses of heritage**						
4.8.6	Impacts of tourism/Visitation/Recreation	Criteria: (i) (ii) (iv) Attributes: 5. identity and symbolic value of the complex referred to the city of Pisa	According to MP, Action 5, a specific project has been set up to strengthen the connection of Piazza del Duomo to the east and west city sides and their cultural sites, currently marginalized by visitors' flows, e.g. by new equipment infrastructures	Project monitoring and evaluation activities will be carried out according to the KPIs indicators: among them the total surface of redeveloped areas following the interventions	Estimated overall duration of the project: 18 months.	Municipality of Pisa, Superintendence of Archeology, Fine Arts and Landscape for the Provinces of Pisa and Livorno. Tuscany Region. Province of Pisa.	Activities foreseen: pedestrianization sections of roads (ongoing), redevelopement of commercial, hospitality and public business functions along the east-west sections, town planning variations.
4.10	**Climate change and severe weather events**						
4.10.6	Temperature change	Criteria: (i) (ii) (iv) Attributes: 2. architectural and artistic features, expression of the medieval spirit within the Pisan area 3. distinct profile and setting of the group of monuments within the urban fabric	Monitoring campaigns with thermal camera to detect the infiltration of meteoric water in architectural structures and on decorated surfaces. Quick restore of rooftops and windows in case of infiltration which may affect the conservation of property	Constant monitoring of the phenomena of rapid rise in temperature and humidity. Constant checking or temperature and RH parameter for indoor artworks.	Periodic trend monitoring and specific inspections in the event of exceptional weather events.	Opera della Primaziale Pisana, under the supervision of the local Ministry of Cultural Heritage office.	Indoor artworks are subject to a more accurate detection thanks to sensors and data logger devices of showcases.

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan				
		Actions	**Timeframe**	**Lead agency (and others involved)**	**More info / comment**
5.3.5	**Some use** has been made of the Historic Urban Landscape Recommendation to develop policies and best practices for the protection of the property				
5.3.13	The management system at the property is **only being partially implemented**				

9	Visitor Management				
9.12	The presentation and interpretation of the Outstanding Universal Value of the property **is acceptable but improvements could be made**	The MP highlights the need to enhance the communication approach towards an audience-oriented perspective, to improve OUV understanding and dissemination, to meet obj. of education, information, awareness. Actions has been planned: 7, 8, 9, 11, 15.	According to MP, projects foreseen in Actions 7/8/9/11/15 have an average duration of 18 months. Specific Project monitoring and KPIs are foreseen.	Municipality of Pisa, Opera della Primaziale Pisana, Tuscany Region.	Although OPA has undertaken a path of communication on social media, OUV and visibility of UNESCO recognition can be improved, especially increasing the ability to manage the most frequented platform visited by younger generations.

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.

The protection and enhancement of cultural eritage are no longer just architectural, archaeological, historical, and historical-artistic research activities, but also involve a wider spectrum: from engineering to restoration technologies, to the economics of culture. The MP highlights the Interinstitutional collaboration for access to culture and research and actions are aimed at setting up an open access network, to share information at all levels.

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	Positive
Quality of life for local communities and indigenous peoples	Positive
Recognition	No impact

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

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

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

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

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

Synergies
State of Conservation
Management
Governance
Capacity Building

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

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

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

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

15.2. Use of Data

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

Update of management plans

	Awareness raising

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
Focal points of other international conventions/programmes

15.3.2 - Has a gender balanced contribution and participation been considered in the filling out of this questionnaire?
Gender balance has **not been explicitly** considered or 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

120 / 36 / 180 /

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

	Additional resources	No	Yes
15.3.5.1	Human resources		✖
15.3.5.2	Financial resources for organizing consultation meetings/ training	✖	

15.4. Format and content of the Periodic Report

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

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

		Very Difficult	Difficult	Easy	Very easy
15.4.2.1	Ease of use of questionnaire			✖	
15.4.2.2	Clarity of questions			✖	

15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire
Navigation tools to move among sections to be improved. Characters availability to be implemented or more clear detail to be provided in each section. Accuracy of data saving process to be improved in order to avoid the risk of information loss.

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	Fair
ICOMOS International	No support
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	No support

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)	Fair
National Commission for UNESCO	Fair
ICOMOS International	No support
ICCROM International/regional	No support

Piazza del Duomo, Pisa

ICOMOS national/regional	No support
IUCN national/regional	No support
IUCN International	No support

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

Not applicable (i.e. I did not use these resources)

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

The online training resource provided by the focal point were adequate.

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 order to ensure adequate quality, a new graphic version of the site maps has been submitted to the World Heritage Centre. The new layout has been designed in accordance with the requirements listed by WHC, without any modification of the property delimitations.

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.