

Las Médulas

1. World Heritage Property Data

1.1 - Name of World Heritage property

Las Médulas

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
	0 / 0	?	?	?	
	0 / 0	?	?	?	
Zone principal de la mina de oro de Las Médulas	42.469 / -6.771	1879.2	0	1879.2	1997
Estéiles de la Balouta	42.448 / -6.813	203.6	0	203.6	1997
Estéiles de Valdebría	42.429 / -6.798	48.3	0	48.3	1997
Estéiles de Yeres	42.429 / -6.776	77.1	0	77.1	1997
Total (ha)		2208.2	0	2208.2	

1.4 - Map(s)

Title	Date	Link to source
Las Médulas	1996	
Las Médulas - Map of the inscribed property	2016	

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

1. [La Junta de Castilla y León \(in Spanish\)](#)
2. [Patrimonio Cultural de Castilla y León \(in Spanish\)](#)
3. [Fundación Las Médulas](#)
4. [Ministerio de Educación, Cultura y Deporte \(in Spanish\)](#)

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

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

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

2.2 - Please provide comments on 2.1 if necessary

2.3 - Do your national authorities intend to request the granting of Enhanced Protection (if relevant) under the Second Protocol to the 1954 Hague Convention for the Protection of Cultural Property in the Event of Armed Conflict for the World Heritage property in the next three years?

Not applicable

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

Not applicable

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

No

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

No

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

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?

No

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the

Intangible Cultural Heritage of which you are aware

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

No

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

3. Statement of Outstanding Universal Value

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

Statement of Outstanding Universal Value

Brief synthesis

Las Médulas is a Roman mining area located in the Autonomous community of Castile and León, in a mountainous zone in the Northwest of Spain. In the 1st century AD, the Roman Imperial authorities began to exploit the gold deposits of this region, using a technique based on hydraulic power. After two centuries of working the deposits, the Romans withdrew, leaving a devastated landscape. Since there was no subsequent industrial activity, the dramatic traces of this remarkable ancient technology are visible everywhere as sheer faces in the mountainsides and vast areas of tailings, now used for agriculture.

The area inscribed on the World Heritage List, the Archaeological Zone of Las Médulas, covers over 2000 ha. It comprises the mines themselves and also large areas covered by the tailings resulting from the process. There are dams which used to collect the vast amounts of water needed for the mining process and intricate canals through which the water was conveyed to the mines.

There are villages of both the indigenous inhabitants and the Imperial administrative and support personnel (including army units), as well as one major Roman road and a large number of minor routes, used during mining operations. The mining process, known to Pliny as *ruina montium*, made use of the immense power of large bodies of water. Water from springs, rain and melting snow was collected in large reservoirs, connected to the mines by a system of well-built gravity canals over long distances. They were cut into the sterile strata, many metres deep, over the layers of auriferous conglomerate. When the sluices of the dams were opened, enormous quantities of water flowed into the canals, which were closed at their ends. The pressure thus built up caused the rock to explode and be washed away by the water, forming enormous areas of tailings, several kilometres in length. The process is vividly apparent on the working face at the main Las Médulas site, where the half-sections of the galleries used for the last operation there stand out against the sheer rock face. The layers of the auriferous conglomerate were broken up in the same way, but the friable conglomerate was run through washing channels, the heavy gold particles falling to the bottom of the channels. The non-metallic part escaped to the layers of sterile tailings. The large boulders resulting from this process were removed by hand, as the neat heaps scattered around the landscape demonstrate.

The operating face of this spectacular mining process slowly moved across the landscape. The main Las Médulas pit covers more than 10 km² and the working face on the subsidiary La Frisca pit is more than 600 m across. The system of water canals and conduits extended for at least 100 km. Contours were used with great skill to maintain even gradients over long distances so as to provide a steady build-up of water when the sluices were opened. These channels, short sections of which have been cleared, can be seen in many parts of the site. Archaeological survey over many years, both on the ground and using aerial observation and photography, has identified a number of settlements within the area. A selected group has been partially excavated and demonstrates the essential differences between the way of life of the indigenous and of the incoming administrative communities.

Criterion (i): Las Médulas is a major work of human creative genius in the field of mining, and specifically the technology of *ruina montium*, the application of water power, and systems of gold mining on a scale, efficiency, and economic importance that were of decisive economic importance for the Roman Empire in the first two centuries AD.

Criterion (ii): Las Médulas is a remarkable example of the application of Roman mining techniques to exploit precious metals. It is exceptional that subsequent works, which have largely destroyed such evidence elsewhere, were here limited or non-existent, so that this property is unquestionably the best preserved and most representative of all the mining areas of the Greco-Roman world in classical times.

Criterion (iii): The Roman gold-mining operations in the Las Médulas area were the most extensive ones in Antiquity. The spectacular remains illustrate both the remarkable technology and the administration of this Imperial estate in every detail.

Criterion (iv): The Las Médulas gold-mining area is an outstanding example of innovative Roman technology, in which all the elements of the ancient landscape, both industrial and domestic, have survived to an exceptional degree.

Integrity

Las Médulas has all the necessary elements to express its Outstanding Universal Value, since it includes the Roman mines, large areas where the tailings resulting from the process were deposited, the hydraulic canals used in the process of *ruina montium* and human settlements related to the mining work.

Las Médulas, due to its location on a rural area, with small communities, shows no negative effects of development.

Authenticity

The authenticity of the property is absolute, since no changes have been made to the Roman installations and deposits since they went out of use in the early 3rd century AD. The landscape of this area was formed by the extensive Roman mining operations. It was subsequently settled by small farming communities. This pattern endured until comparatively recently, when the area experienced the drift from the countryside to the towns that characterizes most of Europe. It has therefore conserved an organic landscape that has changed very little over many centuries. No changes have been made to the Roman installations and deposits since they went out of use in the early 3rd century AD.

Protection and management requirements

The Archaeological Zone of Las Médulas was registered as *Bien de Interés Cultural* (Property of Cultural Interest) in 1998, which means that this property is legally protected at the highest level; the zone was extended in 2007, in order to include all the World Heritage protected area. Furthermore, Las Médulas was declared a Historic Monument in 1931, and a Natural Monument in 2002. It is set under the responsibility of the Junta of Castile and León, through the General Directorate of Cultural Heritage.

Any intervention in this site, including archaeological investigation, therefore requires previous administrative authorization, according to the current Cultural Heritage Laws (Law 12/2002 of 11 July, of Cultural Heritage of Castile and León, Decree 37/2007 of 19 April, that approves the Rules for the Protection of Cultural Heritage in Castile and León and Law 16/1985, of 25 June, of Spanish Historic Heritage). All projects concerning this site must be previously approved by the Commission for Cultural Heritage of Castile and León.

Las Médulas is a Natural Monument, so it is also subject to the current Environmental Laws.

The municipalities of Borrenes, Carucedo and Puente de Domingo Flórez have an overall supervisory function in respect of the privately owned properties within their territories. Other institutions working in the area are the Las Médulas Foundation, which collaborates in the promotion of the site (Visitors Centre), and the *Consejo Superior de Investigaciones Científicas*, which has been leading an archaeological research program for several years and elaborated in 2001, commissioned by the Junta of Castile and León, the first Plan of Organization, Use and Management of Las Médulas.

Las Médulas, besides its declaration as National Monument and Property of Cultural Interest (*Bien de Interés Cultural*), has been registered as a "Cultural Area" (Espacio Cultural) in 2010. This protection is based on the Law of Cultural Heritage of Castile and León and is applied to those properties that have been already declared *Bien de Interés Cultural* which, due to their special natural and cultural values, request a preferential attention in their management and promotion. This declaration of "Cultural Area" aims at promoting the cultural and natural values of the site and encouraging all the activities leading to the sustainable development of the area. Its area is larger than that protected by the World Heritage Convention, because it includes the valley surrounding the site and the whole network of canals, aiming at controlling possible negative visual effects on Las Médulas.

For the adequate management of the "Cultural Area", a Plan has been prepared, with the participation of local communities, the archaeological research team and the assessment of experts, to set the rules referring to protection, conservation, promotion and research, not only for the Archaeological Zone, but also for the World Heritage property. It is a roadmap that sets all the principles and features that the public administrations -at national, regional and local level- must take into account, in order to adapt their policies to the conservation of the Outstanding Universal Value of the site, which must prevail over other considerations. It includes a diagnosis of the state of conservation on the site, its cultural properties (archaeological sites, vernacular architecture, etc.) and the natural ones; and all the criteria to manage the World Heritage property (delimitation of the protected area; archaeological research; visits, accessibility and transport; principles for the urban planning; creation of a management organ which includes all the public administrations, experts and associations, etc.).

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	Major work of human creative genius in the field of mining	✖			
3.2.2	Example of innovative Roman technology	✖			
3.2.3	Witness of creation of a cultural landscape	✖			
3.2.4	Technological and scientific exploitation of nature	✖			
3.2.5	Example of archaeological landscape of the times of Roman Empire	✖			
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 (17/07/2014):

- Not relevant

Relevant

✖ Not relevant

4.1.2 - Commercial development

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✖ Not relevant

4.1.3 - Industrial areas

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✖ Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Inside, Outside

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

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Inside

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

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

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.2.6 - Please comment as necessary on how the factors selected as relevant in 4.2 are affecting the property either negatively or positively

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (17/07/2014):









- Not relevant

Relevant	✕ Not relevant
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4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.3.4 - Localised utilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.3.5 - Major linear utilities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

The installation of renewable energy facilities is rising in the context of European Green Deal. Although they are not allowed in the site or its surroundings, sometimes the visual impact of these facilities is high, and the administration in charge of the protection of Cultural Heritage don't have a legal basis to avoid it.

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.4.2 - Ground water pollution

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.4.3 - Surface water pollution

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.4.4 - Air pollution

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.4.5 - Solid waste

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.4.6 - Input of excess energy

Previous answer Cycle 2 (17/07/2014):

- 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 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.2 - Aquaculture

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.3 - Land conversion

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.5 - Crop production

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.8 - Commercial hunting

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (17/07/2014):

- 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 (17/07/2014):








- Not relevant

Relevant	✕ Not relevant
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4.6.2 - Quarrying

Previous answer Cycle 2 (17/07/2014):

- Relevant, Negative, Current, Outside

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

4.6.3 - Oil and gas

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.6.4 - Water (extraction)

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

The impact of quarrying is decreasing: the most important and visible quarry near Las Médulas is not working anymore and there is a plan for the restoration of the site. Other traditional quarries of slate are still in use, but they are out of the borders of the property

4.7. Local conditions affecting physical fabric

4.7.1 - Wind

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.7.2 - Relative humidity

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.7.3 - Temperature

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.7.4 - Radiation/Light

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.7.5 - Dust

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Inside, Outside

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

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.5 - Identity, social cohesion, changes in local population and community

Previous answer Cycle 2 (17/07/2014):

- Not relevant







Relevant	<input checked="" type="checkbox"/> Not relevant
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4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (17/07/2014):

- Relevant, Positive, Current, Inside, Outside

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

Positive 							
Negative 							

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 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.9.3 - Military training

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.9.4 - War

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.9.5 - Terrorism

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.9.6 - Civil unrest

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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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 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.10.2 - Flooding

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.10.3 - Drought

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	 Not relevant
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4.10.4 - Desertification

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.6 - Temperature change

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (17/07/2014):

- 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 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.2 - Earthquake

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (17/07/2014):

- 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 (17/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

Relevant	✕ Not relevant
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4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.12.6 - Modified genetic material

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

4.13. Management and institutional factors

4.13.1 - Management system/Management plan

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

	Impact		Origin		Trend of impact		
Impact	🔥 Current	🔥 Potential	📍 Inside	📍 Outside	↘ Decreasing	→ Stable	↗ Increasing
➕ Positive ✕	✕		✕				↗
➖ Negative							

4.13.2 - Legal framework

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

4.13.3 - Governance

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

4.13.4 - Management activities

Previous answer Cycle 2 (17/07/2014):

- 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 (17/07/2014):

- Not relevant

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

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (17/07/2014):

- Not relevant

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

In 2022, the local and regional authorities has come to an agreement to entrust Las Médulas Foundation the joint management of the site. At the same time, the Regional Government has significantly increased the financial resources of this board for the next three years.

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					
4.1.4 Major visitor accommodation and associated infrastructure					
4.1.5 Interpretative and visitation facilities					
4.3 Services Infrastructures					

4.3.2 Renewable energy facilities						
	⊖		⚡		🔄	↗
4.6 Physical resource extraction						
4.6.2 Quarrying						
	⊖	⚡			🔄	↘
4.8 Social/Cultural uses of heritage						
4.8.2 Society's valuing of heritage	⊕	⚡		⊙	🔄	↗
4.8.6 Impacts of tourism/Visitation/Recreation	⊕	⚡		⊙	🔄	↗
4.13 Management and institutional factors						
4.13.1 Management system/Management plan	⊕	⚡		⊙		↗
4.13.2 Legal framework	⊕	⚡		⊙		→
4.13.3 Governance	⊕	⚡		⊙		→
4.13.4 Management activities	⊕	⚡		⊙		↗
4.13.5 Financial resources	⊕	⚡		⊙		↗
4.13.6 Human resources	⊕	⚡		⊙		→
4.13.7 Low impact research/monitoring activities	⊕	⚡		⊙		→
Legend	⚡ Current	⚡ Potential	⊖ Negative	⊕ Positive	⊙ Inside	🔄 Outside

4.16. Assessment of current and potential positive and negative factors




4.16.1 - Assessment of current and potential negative and positive factors

4.1 Buildings and Development

Name	Impact	Origin	Trend
4.1.4 Major visitor accommodation and associated infrastructure	⊕ ⚡	⊙ 🔄	→

Spatial scale - Area affected by the factor	
	Restricted
✕	Localised
	Extensive
	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic




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

Name	Impact			Origin		Trend
4.1.5 Interpretative and visitation facilities						

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



	Static
✕	Increasing

4.3 Services Infrastructures

Name	Impact	Origin	Trend
4.3.2 Renewable energy facilities			
			

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





4.6 Physical resource extraction

Name	Impact	Origin	Trend
4.6.2 Quarrying			
			

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






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

4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	 	 	

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

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

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

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






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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.1 Management system/Management plan	 	 	





Spatial scale - Area affected by the factor	
	Restricted
	Localised

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

Name	Impact			Origin		Trend
4.13.2 Legal framework						

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

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

Name	Impact	Origin	Trend
4.13.3 Governance	 		




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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major





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

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

Name	Impact	Origin	Trend
4.13.4 Management activities	 		





Spatial scale - Area affected by the factor	
	Restricted
	Localised

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

Name	Impact			Origin		Trend
4.13.5 Financial resources						

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

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

Name	Impact	Origin	Trend
4.13.6 Human resources	 		




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

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

Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major

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

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

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	 		

Spatial scale - Area affected by the factor	
	Restricted
	Localised

	Extensive
✕	Widespread
Temporal scale - Occurrence of the impact	
	One off or rare
	Intermittent or sporadic
	Frequent
✕	On-going
Impact - Impact on the attributes	
	Insignificant
	Minor
✕	Significant
	Major
Management response - Capacity of management to respond	
✕	High capacity
	Medium capacity
	Low capacity
	No capacity and / or resources
Trend - Development 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	Major work of human creative genius in the field of mining	✕			
4.18.1.2	Example of technology	✕			
4.18.1.3	Witness of creation of a cultural landscape	✕			
4.18.1.4	Technological and scientific exploitation of nature	✕			
4.18.1.5	example of Archaeological landscape of the times of Roman Empire	✕			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

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

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

5.2. Protective Measures

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

- In 2013, a Management Plan for this Cultural Space was approved
- In 2013, the Regional Government named a Manager and created a Governing and Advisory Committee for the Natural Monument and the Cultural Space
- In 2010, the Regional Government declared Las Médulas as a Cultural Space, a legal category create for those Sites of Cultural Interest which require preferential measures for its management.
- Decree 37/2007 for the Protection of the Cultural Heritage,
- Law 12/2002 of 11 July regarding Cultural Heritage in Castilla y León,
- Decree 103/2002 of 1 August declaring the Natural Monument of Las Médulas,
- Decree 101/2002 of 1 August establishing the Natural Resource Regulation Plan of the Las Médulas Natural Area,
- Law 8/1991 of 10 May on Natural Areas in the Community of Castilla y León,
- Decree 101/1998 of 28 May delimiting the area included in the declaration of the Las Médulas Archaeological Area,
- Law 10/1997 of 19 December on Tourism in Castilla y León.
- Resolution of 5 July for the enlargement of the delimited area of Las Médulas Archaeological Area,
- Decree 273/1994 of 1 December on competencies and procedures regarding Historical Heritage matters in the Autonomous Community of Castilla y León,
- Other regulations: there are other provision which refer to the management of the area's resources. Among these provisions special mention should be made of the specific rules regulating the urban centres integrated in the declared area (urban planning schemes).

Source: Periodic Reporting Cycle 1; Periodic Reporting Cycle 2

Comment

Decree 273/1994 of 1 December on competencies and procedures regarding Historical Heritage matters in the Autonomous Community of Castilla y León has been abrogated There is a new law of tourism: Law 14/2010, of 9 June, on Tourism in Castilla y León,

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

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

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

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

The property has **no buffer zone**

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

An **adequate legal framework** exists for the broader setting of the World Heritage property, **but there are some deficiencies in implementation** which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property

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

There is **acceptable capacity/resources** to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain

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

In the site of Las Médulas there are several applicable legislations, specially those related to Cultural Heritage and Environment. In addition, local communities have their own urban planning.

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

One of the challenges nowadays is fighting against the visual impacts of the renewable energy facilities, specially wind power. The transition to green sources of energy, which is highly supported by the EU, must be carefully studied in order to avoid negative impacts in the surroundings of the site, but the procedures of authorization of theses facilities are more and more flexible.

5.3. Management System/Management Plan

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

Public management system joint regional/local

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.

Other forms of statutory or non-statutory plans (e.g. strategic plans)

An integrated management plan combining World Heritage and any other designations

A management plan

A visitor/visitation management plan

An environmental management framework
An assessment of biological and cultural diversity and ecosystem services provided by the property
A joint approach to management of cultural and natural heritage

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

There is a "Plan de Adecuación y Usos", which is the basis of the management system. En 2022 the Regional Government and the local communities have agreeded to entrust the Las Médulas Foundation to carry on a joint management of the site

5.3.4 - Management Documents

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

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

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

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

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

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

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

No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties

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

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

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

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

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

5.3.13 - Is the management system being implemented?

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

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

An annual work/action plan **exists and 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.)	%	%
6.1.1.2	Bilateral international funding	%	%
6.1.1.3	World Heritage Fund (International Assistance)	%	%
6.1.1.4	Contribution from other conventions and programmes	%	%
6.1.1.5	International donations (NGOs, foundations, etc.)	%	%
6.1.1.6	Governmental (national/federal)	12 %	%
6.1.1.7	Governmental (regional/provincial/state)	88 %	95 %
6.1.1.8	Governmental (local/municipal)	%	5 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	%	%
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	%	%
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	%	%
6.1.1.12	Other	%	%
		Total 100 %	Total 100 %

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

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

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

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

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

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

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

		From local communities %	From elsewhere %
6.1.6.1	Men	43 %	0 %
6.1.6.2	Women	57 %	0 %
		Total 100 %	Total 0 %

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

Human resources are adequate for management needs

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

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

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

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

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

No use has been made of the World Heritage Strategy for Capacity Building

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

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

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

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

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 considerable research but it is not directed towards 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 partners but there is no active outreach to national or international 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	Good
Local/municipal authorities	Good
Indigenous peoples	Not applicable
Landowners	Fair
Women	Good
Youth/children	Good
Researchers	Good
Local visitors	Good
National/international tourists	Good
Tourism industry	Good
Local businesses and industries	Good
NGOs	Not applicable
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

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

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

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

Local communities
Youth/children
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries

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	Not needed
Guided tours	Good
Trails/routes	Good
Printed information materials	Good
Online (website, social media, etc.)	Good
Transportation facilities	Poor
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

200.000 approx. / 200.000 approx. / 90.000 approx. / 200.000 approx. / 180.000 approx. /

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

Entry tickets and registries

Visitor surveys

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

One day (no overnight stay)

9.4 - Please provide the source of information

The visitor numbers cannot be exact because there is also a free visit to the place and these visits cannot be taken into account.

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

0 / 0 / 0 / 11 euros / 0 / 0 /

9.6 - Please provide the source of information

The values requested in Question 9.5 "Lodging" and "Food and beverage" cannot be known, because they take place outside the site.

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

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

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

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

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

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

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

There **is contact** between those responsible for the World Heritage property and the tourism industry but this **is largely confined to administrative or regulatory matters**

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

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

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

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

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

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

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Horse routes

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

Yes

If 'Yes', please specify

In 2018 there was an agreement with local communities to share these benefits

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 **sufficient to define key indicators, but this has not been done**

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	Fair
Local communities	Fair
Indigenous peoples	Not applicable
Landowners	Not applicable
Women	Good
Researchers	Good
Tourism industry	Fair
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?

No relevant Committee recommendations to implement

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

5.1	Boundaries and Buffer Zones		
5.1.3	The property has no buffer zone		✕
5.1.4	The property has no known and recognised buffer zone		
5.2	Protective Measures		
5.2.4	The property has no buffer zone		✕
5.2.5	An adequate legal framework exists for the broader setting of the World Heritage property and the buffer zone, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property		✕
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain		✕
5.3	Management System/Management Plan		
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property		
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property		✕
6.1	Funding		
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property		
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff		✕
7	Scientific Studies and Research Projects		
7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value		✕
7.3	Research results are shared with local communities and partners but there is no active outreach to national or international agencies		✕
9	Visitor Management		
9.11	There is contact but this is largely confined to administrative or regulatory mattersThere is contact between those responsible for the World Heritage property and the tourism industry but this is largely confined to administrative or regulatory matters		✕
10	Monitoring		
10.2	Information on the values of the World Heritage property is sufficient to define key indicators, but this has not been done		✕

Please select 0 more issues.

☒ Please save this question to reflect changes

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.3	Services Infrastructures						
4.3.2	Renewable energy facilities	Criteria and attributes are not directly affected; regional authorities are facing potential visual impacts and are using all the legal instruments available.	The regional administration must report on the environmental impact assessment procedure, through which the impacts of these energy facilities are analyzed from different points of view.	There must be a regional administration authorization for these facilities to be set up.	There is no regular timeframe monitoring, it depends on the applications requested by energy companies	The regional administration, at different areas: Environmental protection, Cultural Heritage Protection; etc., and also local authorities	.
4.6	Physical resource extraction						
4.6.2	Quarrying	Criteria and attributes are not directly affected; regional and local authorities are facing potential visual impacts and are using all the legal instruments available.	The regional administration must report on the environmental impact assessment procedure, through which the impacts of these energy facilities are analyzed from different points of view. New quarries are not expected.	There must be a regional administration authorization for these facilities to be set up.	There is no regular timeframe monitoring	The regional administration, at different areas: Environmental protection, Cultural Heritage Protection; etc., and also local authorities	.

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.1	Boundaries and Buffer Zones				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.1.3	The property has no buffer zone	The regional administration will study the need and possibility of a buffer zone	2023-2026	Regional administration, with the collaboration of local authorities and Las Médulas Foundation	.
5.2	Protective Measures				
5.2.4	The property has no buffer zone	The regional administration will study the need and possibility of a buffer zone	2023-2026	Regional administration, with collaboration of local authorities and Las Médulas Foundation	.
5.2.5	An adequate legal framework exists for the broader setting of the World Heritage property and the buffer zone, but there are some deficiencies in implementation which undermine the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the property	The possibility of setting a buffer zone	2023-2026	Regional administration, with the collaboration of local authorities and Las Médulas Foundation	.
5.2.6	There is acceptable capacity/resources to enforce legislation and/or regulation in the World Heritage property but some deficiencies of enforcement remain	More vigilance	Continuous task	Regional and local authorities, with the collaboration of Las Médulas Foundation	.
5.3	Management System/Management Plan				
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	A plan will be elaborated	2024-2026	Regional administration with Las Médulas Foundation	.
6.1	Funding				
6.1.12	A site-based capacity building plan or programme is in place and partially implemented; some technical skills are being transferred to those managing the property locally, but most technical work is carried out by external staff	Courses/seminars addressed to local communities	2024-2026	Las Médulas Foundation	.
7	Scientific Studies and Research Projects				

7.2	There is considerable research in the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	Development of studies directed towards management needs	2023-2026	Regional administration	.
7.3	Research results are shared with local communities and partners but there is no active outreach to national or international agencies	Make public the results of research studies	2023-2026	Regional administration and Las Médulas Foundation	.

9	Visitor Management				
9.11	There is contact but this is largely confined to administrative or regulatory mattersThere is contact between those responsible for the World Heritage property and the tourism industry but this is largely confined to administrative or regulatory matters	Meetings or conferences addressed to local tourism businesses	2023-2026	Las Médulas Foundation	.
10	Monitoring				
10.2	Information on the values of the World Heritage property is sufficient to define key indicators, but this has not been done	Define key indicators	2023-2026	Las Médulas Foundation	.

Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

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

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

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

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

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

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

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

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

13. Impact of World Heritage Status

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

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

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 property's Outstanding Universal Value
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	Fair
Site Managers	Fair
UNESCO World Heritage Centre	Not needed
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Not needed

15.2. Use of Data

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

Revision of priorities/strategies/policies for the protection, management and conservation of heritage

Update of management plans

Awareness raising

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

15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage

Site Manager/Coordinator World Heritage property staff

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

Gender balance 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

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

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

15.4. Format and content of the Periodic Report

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

All required information was accessible.

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

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

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

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

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

UNESCO World Heritage Centre	Not applicable
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Not applicable
National Commission for UNESCO	Not applicable

ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	Not applicable

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

Yes

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

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

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

No item were proposed for update

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

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

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