

Mount Etna

1. World Heritage Property Data

1.1 - Name of World Heritage property

Mount Etna

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Mount Etna	37.756 / 14.997	19237	26220	45457	2013
Total (ha)		19237	26220	45457	

1.4 - Map(s)

Title	Date	Link to source
Mount Etna - map of inscribed property	2013	

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

1. [Parco dell'Etna \(in Italian\)](#)

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?

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?

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

Mount Etna World Heritage Site (19,237 ha) comprises the most strictly protected and scientifically important area of Mount Etna, and forms part of the Parco dell'Etna Regional Nature Park. Mount Etna is renowned for its exceptional level of volcanic activity, and the documentation of its activity over at least 2,700 years. Its notoriety, scientific importance, and cultural and educational value are of global significance.

Criterion (viii): Mount Etna is one of the world's most active and iconic volcanoes, and an outstanding example of ongoing geological processes and volcanic landforms. The stratovolcano is characterized by almost continuous eruptive activity from its summit craters and fairly frequent lava flow eruptions from craters and fissures on its flanks. This exceptional volcanic activity has been documented by humans for at least 2,700 years – making it one of the world's longest documented records of historical volcanism. The diverse and accessible assemblage of volcanic features such as summit craters, cinder cones, lava flows, lava caves and the Valle de Bove depression have made Mount Etna a prime destination for research and education. Today Mount Etna is one of the best-studied and monitored volcanoes in the world, and continues to influence volcanology, geophysics and other earth science disciplines. Mount Etna's notoriety, scientific importance, and cultural and educational value are of global significance.

Integrity

The boundaries of the property are clearly defined and encompass the most outstanding geological features of Mount Etna. The property includes very little infrastructure: a few forest / mountain tracks, a number of basic mountain shelters along the main forest tracks, and over 50 small seismic monitoring stations and a scientific observatory.

A buffer zone of 26,220 ha surrounds the property, including parts of Mount Etna Regional Nature Park, and two tourism zones. These tourism zones include accommodation (hotels, huts), car parks, restaurants, cafes, a cableway, chair and drag lifts for ski tourism, information points, and ticket kiosks for guided drives, hikes and horse/donkey safaris.

Protection and management requirements

The Parco dell'Etna (Etna Park) was established as a Regional Nature Park by Decree of the President of the Sicilian Regional Authority in May 1987. The property includes part of this Park, comprising the zone defined as an integral reserve. In addition, nine Natura 2000 sites overlap the property to various degrees, providing additional protection for 77% of the area under European legislation.

The regulations provided within the Decree provide for adequate protection of the key values of the property. Since the completion of a land acquisition process in 2010, 97.4% of the property's area is in public ownership (region or communities). In contrast, 56.6% of the buffer zone is privately owned.

The management of the property is coordinated by Ente Parco dell' Etna, established as the managing authority of Etna Park by Decree of the President of the Sicilian Regional Authority in May 1987, working in close cooperation with the Regional Authority of State Forests and the Regional Corps of Forest Rangers (Corpo Forestale). Management is guided by a long-term management plan and Triennial Intervention Programmes.

The property has no permanent population, is free of roads, and its use restricted to research and recreation. Vehicle access to the limited network of forest and mountain tracks appears to be strictly controlled (e.g. through gates and fences) and is only permitted for park management purposes and authorized activities such as research and organized 4x4 drives on the main track from the tourism facilities in the buffer zone to the INGV observatory. Except for possible maintenance of the observatory, no construction projects are permitted or planned within the property. Public access to the top of Mount Etna may be officially prohibited for safety reasons, although this regulation has been difficult to enforce. Organized recreational activities such as mountain biking and horse / donkey riding require advance authorisation. Although they appear to be limited at present, they need to be well monitored and managed to avoid negative impacts such as erosion and disturbance of wildlife. No dogs are allowed in the property and illegal hunting appears to be under control. Low-intensity grazing is permitted and occurs in parts of the property in the summer season. Limited silvicultural interventions are implemented in the property to reduce the risk from forest fires and maintain access routes. Climate change has the potential to increase the risk of forest fires in the region and impact the species and communities on Mount Etna. Natural hazards resulting from the volcanic activity of the property will always pose a risk to certain features and facilities of the park and beyond. Strengthened park visitor facilities are needed, taking into account best practice and lessons learned at other comparable World Heritage properties.

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	outstanding example of ongoing geological processes and volcanic landforms	✗			
3.2.2	stratovolcano is characterized by almost continuous eruptive activity from its summit craters and fairly frequent lava flow eruptions from craters and fissures on its flanks	✗			
3.2.3	volcanic activity has been documented by humans for at least 2,700 years – making it one of the world's longest documented records of historical volcanism	✗			
3.2.4	The diverse and accessible assemblage of volcanic features such as summit craters, cinder cones, lava flows, lava caves and the Valle de Bove depression have made.	✗			
3.2.5	Mount Etna a prime destination for research and education.	✗			
3.2.6	Mount Etna is one of the best-studied and monitored volcanoes in the world.	✗			
3.2.7	Mount Etna continues to influence volcanology, geophysics and other earth science disciplines.	✗			
3.2.8	Mount Etna's notoriety, scientific importance, and cultural and educational value are of global significance.	✗			
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

The information selected by the National Institute of Geophysics and Volcanology as well as from the reports found on the pages of the unescoparcoetna.it website

4. Factors Affecting the Property

4.1. Buildings and Development

4.1.1 - Housing

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.1.2 - Commercial development

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.1.3 - Industrial areas

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

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

No Housing inside property. No Commercial development inside property. No Industrial areas inside property. No Major visitor accommodation and associated infrastructure. Only trail markers inside property.

4.2. Transportation Infrastructure

4.2.1 - Ground transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

NO Ground transport infrastructure inside property, NO Underground transport infrastructure inside property, No Air transport infrastructure inside property, No Marine transport infrastructure inside property, NO Effects arising from use of transportation infrastructure inside Property, because is a prevantly wilderness area.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (31/07/2014):

- Relevant, Positive, Current, Inside, Outside

Relevant

Not relevant

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.3.4 - Localised utilities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.3.5 - Major linear utilities

Previous answer Cycle 2 (31/07/2014):

- 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

NO Water infrastructure inside property, Some solar renewable energy facilities inside property, NO Non-renewable energy facilities inside property, NO Localised utilities inside property, NO Major linear utilities inside property, because is a prevantly wilderness area.

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.4.2 - Ground water pollution

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.4.3 - Surface water pollution

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.4.4 - Air pollution

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.4.5 - Solid waste

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.4.6 - Input of excess energy

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.2 - Aquaculture

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.3 - Land conversion

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.5 - Crop production

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.8 - Commercial hunting

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.6.3 - Oil and gas

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.7.2 - Relative humidity

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.7.3 - Temperature

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.7.4 - Radiation/Light

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.7.5 - Dust

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- 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 (31/07/2014):

- Relevant, Positive, Potential, Inside, Outside

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

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Relevant, Positive, Potential, Inside, Outside

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

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

Previous answer Cycle 2 (31/07/2014):

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

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

Negative

4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

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

4.9. Other human activities

4.9.1 - Illegal activities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.9.3 - Military training

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.9.4 - War

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.9.5 - Terrorism

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.9.6 - Civil unrest

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.10.2 - Flooding

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.10.3 - Drought

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

Not relevant

4.10.4 - Desertification

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.10.7 - Other climate change impacts

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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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 (31/07/2014):

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

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

4.11.2 - Earthquake

Previous answer Cycle 2 (31/07/2014):

- Relevant, Positive, Potential, Inside, Outside

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

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (31/07/2014):

- Not relevant

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

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (31/07/2014):

- 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 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant

✘ Not relevant

4.12.6 - Modified genetic material

Previous answer Cycle 2 (31/07/2014):

- 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

4.13.2 - Legal framework

Relevant

✘ Not relevant

4.13.3 - Governance

Relevant

✘ Not relevant

4.13.4 - Management activities

Previous answer Cycle 2 (31/07/2014):

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

Relevant

✘ Not relevant

4.13.5 - Financial resources

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

Relevant	<input checked="" type="checkbox"/> Not relevant
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4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (31/07/2014):

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

<input checked="" type="checkbox"/> Relevant	<input type="checkbox"/> Not relevant						
Impact	Impact		Origin		Trend of 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"/>	<input checked="" type="checkbox"/>			
Negative							

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (31/07/2014):

- Not relevant

Relevant	<input checked="" type="checkbox"/> 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

The Management System and the Management Plan, as well as the legal framework, the Governance, have a positive impact in maintaining the specificity of the Site. Financial Resources and Human Resources are starting to produce positive effects on the management of the site.

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
4.8 Social/Cultural uses of heritage			
4.8.2 Society's valuing of heritage			
4.8.4 Changes in traditional ways of life and knowledge system			
4.8.5 Identity, social cohesion, changes in local population and community			
4.11 Sudden ecological or geological events			
4.11.1 Volcanic eruption			
4.11.2 Earthquake			
4.13 Management and institutional factors			
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

4.8 Social/Cultural uses of heritage

Name	Impact	Origin	Trend
4.8.2 Society's valuing of heritage	  	 	

Spatial scale - Area affected by the factor

<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

<input type="checkbox"/>	One off or rare
<input type="checkbox"/>	Intermittent or sporadic
<input type="checkbox"/>	Frequent
<input checked="" type="checkbox"/>	On-going

Impact - Impact on the attributes

<input type="checkbox"/>	Insignificant
<input type="checkbox"/>	Minor
<input checked="" type="checkbox"/>	Significant
<input type="checkbox"/>	Major

Management response - Capacity of management to respond

<input checked="" type="checkbox"/>	High capacity
<input type="checkbox"/>	Medium capacity
<input type="checkbox"/>	Low capacity
<input type="checkbox"/>	No capacity and / or resources

Trend - Development over the last 6 years

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

Name	Impact	Origin	Trend
4.8.4 Changes in traditional ways of life and knowledge system	  	 	

Spatial scale - Area affected by the factor

<input type="checkbox"/>	Restricted
<input checked="" type="checkbox"/>	Localised
<input type="checkbox"/>	Extensive
<input type="checkbox"/>	Widespread

Temporal scale - Occurrence of the impact

<input type="checkbox"/>	One off or rare
--------------------------	-----------------

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

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

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

	Static
X	Increasing

4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.1 Volcanic eruption	  	 	

Spatial scale - Area affected by the factor

	Restricted
X	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

Impact - Impact on the attributes

	Insignificant
	Minor
X	Significant
	Major

Management response - Capacity of management to respond

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

Trend - Development over the last 6 years

	Decreasing
X	Static
	Increasing

Name	Impact	Origin	Trend
4.11.2 Earthquake	  	 	

Spatial scale - Area affected by the factor

	Restricted
X	Localised
	Extensive
	Widespread

Temporal scale - Occurrence of the impact

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

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

4.13 Management and institutional factors

Name	Impact	Origin	Trend
4.13.7 Low impact research/monitoring activities	  	 	

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

Trend - Development over the last 6 years	
	Decreasing
	Static
X	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	Volcanic features	X			
4.18.1.2	Landscape features	X			
4.18.1.3	environment	X			
4.18.1.4	land conservation	X			
4.18.1.5	geological features	X			

5. Protection and Management of the Property

5.1. Boundaries and Buffer Zones

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

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

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

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

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

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

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

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

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

boundaries and buffer zone of the world heritage property are excellent!

5.2. Protective Measures

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

Parco dell'Etna was established as a Regional Nature Park by Decree of the President of the Sicilian Regional Authority in March 1987. The Decree defined the boundaries of the park, subdivided the park area into four general zones, and determined the activities permitted / prohibited in each zone. The four zones are: A (integral reserve), B (general reserve), C (protection) and D (control). The property encompasses only the most strictly protected part (Zone A) of Etna Park. In addition, nine Natura 2000 sites overlap the property to various degrees, providing additional protection for 77% of the nominated area under European legislation.

The regulations provided within the Decree provide for adequate protection of the key values of the property. Since the completion of a land acquisition process in 2010, 97.4% of the property's area is in public ownership (region or communities). The remaining 2.6% (500 ha) is in private ownership and still used as traditional pistachio groves. In contrast, 56.6% of the buffer zone is privately owned.

Source: Advisory Body Evaluation (2013)

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

2014 /

<http://unescosicilia.it/wp/wp-content/uploads/2014/09/1.-http://unescosicilia.it/wp/wp-content/uploads/2014/09/2.-http://unescosicilia.it/wp/wp-content/uploads/2014/09/3.->

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

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

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

The **legal framework** in the buffer zone for the maintenance of the Outstanding Universal Value including conditions of Authenticity and/or Integrity of the World

Heritage property provides an **adequate basis for effective management and protection**

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

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

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

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

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

The Framework Law on Sicilian Parks and the founding decree of Etna Natural Regional Park as well as the Mount Etna Management Plan are excellent legal tools for managing the site

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

"MOUNT ETNA" Management Plan "DRAFT UP OF THE MANAGEMENT PLAN OF THE NATURA 2000 SITES in Three chapters have an excellent positive impact in the management of the unesco site

5.3. Management System/Management Plan

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

Public management system at provincial/regional level

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.

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

Traditional ways of management recognised by local communities and other specific groups

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

Agreed 'Memorandums of Understanding' between different managing institutions, groups or others, including documents agreed with local communities for management

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

A framework for inclusive economic development, including equal access and distribution of resources and opportunities arising from the protection of the property

An integrated management plan combining World Heritage and any other designations

A management plan

A visitor/visitation management plan

An environmental management framework

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

Together with the existing regulatory system, the implementation of the Mount Etna site management plan has allowed for better and more effective management of the unesco site. The general objective of the Management Plan consisted in ensuring the presence in satisfactory conditions of the habitats and species that led to the identification of sites of Community Importance (SIC & SPA), implementing protection and management strategies that allow it even in the presence of human activities. Always bearing in mind that we are talking about a geological and volcanological site that receives few and insignificant impacts from the presence of any human activities such as horse riding, trekking or cycling

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.

All suitable measures have been taken to maintain the landscape and the use of local volcanic rock has been encouraged to reduce any impact in renovating the alpine refuge or the rock-walls or the high mountain forest track

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 climatic changes taking play an irrelevant role for the conservation of theological attributes of the site

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

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

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

The strategy for disaster risk reduction in World Heritage properties, consist of good and established practices for the reduction or containment of wildfires together with forest authorities and any eruptions that can create problems for existing shelters, together with civil protection regional and sometime with national protection without this reducing the values of the site unscripted in the W.H.L. for geological and volcanological reasons.

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				x	
5.3.15.2	Local authorities					x
5.3.15.3	Landowners in the property and the buffer zone				x	
5.3.15.4	Indigenous peoples				x	
5.3.15.5	Women					x
5.3.15.6	Other specific groups					x
	If you selected, 'Other specific groups' please specify	environmental associations				

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				x	
5.3.16.2	Local/Municipal authorities					x
5.3.16.3	Indigenous peoples				x	
5.3.16.4	Landowners				x	
5.3.16.5	Women					x
5.3.16.6	Youth/Children					x
5.3.16.7	Researchers					x
5.3.16.8	Local Visitors/Tourists				x	
5.3.16.9	National/International tourists				x	
5.3.16.10	Tourism Industry					x
5.3.16.11	Local businesses and industries					x
5.3.16.12	NGOs				x	
5.3.16.13	Other specific groups					x
	If you selected 'Other specific groups', please specify	environmental associations				

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

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

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

The management of the Unesco site "Mount Etna" has allowed for a better and synergistic relationship with all those who have to do with the territory and has allowed not only to preserve these unique environments but above all to make them known and to create the conditions for economic development which includes a relationship of cultural diversity with particular reference to the environmental sector

5.3.19 - Comments, conclusions and/or recommendations related to the management system/plan

All informations is taken from the legal framework and from the management and territorial plans of the Etna park.

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)	20 %	20 %
6.1.1.7	Governmental (regional/provincial/state)	80 %	80 %
6.1.1.8	Governmental (local/municipal)	0 %	0 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0 %	0 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	0 %	0 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	0 %	0 %
6.1.1.12	Other	0 %	0 %
		Total 100 %	Total 100 %

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

Funding mainly from the Sicilian region and nationally through specific funding from the Ministry of Cultural Heritage through Law 77

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

We believe and hope that the young woman geologists and volcanologists will be able to extend the cultural importance of Etna as a geological and volcano logical site of community importance and therefore contribute to making the governance systems of the territory with more efficient starting from an excellent basis represented by inclusion of Mount Etna inside a World Heritage List

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	60 %	45 %

6.1.6.2	Women	40 %	55 %
		Total 100 %	Total 100 %

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

Human resources are **adequate** for management needs

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

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

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

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

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.

through courses and meetings on specific aspects of Mount Etna included in the W.H.L., with the teachers and pupils of schools of all levels of the twenty municipalities and the city of Catania. By implementing behaviors and uses of the territory that are increasingly compatible with the conservation and correct management of the territory. Implementing with specialized technicians and environmental associations, rules increasingly aimed at a correct use of the territory even in the buffer.

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

In Italy, as is known, thousands of young graduates and specialists emigrate in search of jobs suited to their skills. Our work, and mine in particular, is aimed at transferring the importance of generational turnover to provincial, regional and national administrations, especially in sectors such as the environmental one, which require not only adequate studies, but also direct experience in the area, so we make sure that tenders were made for the recruitment of new staff, now aged and approaching retirement age

7. Scientific Studies and Research Projects

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

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

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

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

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

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

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

In collaboration with the National Institute of Volcanology section of Catania and Palermo and with the Department of Biological, Geological and Environmental Sciences of the University of Catania, continuous training and information meetings are held on the values of the Mount Etna site: An increase in the presence of women has been observed and this bodes well

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	Fair
Landowners	Fair
Women	Good
Youth/children	Good
Researchers	Good
Local visitors	Poor
National/international tourists	Good
Tourism industry	Fair
Local businesses and industries	Fair
NGOs	Poor
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	Teachers of any order of school studies

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

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

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

Local communities
Local/municipal authorities
Indigenous peoples
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries
Other specific groups

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	Poor
Site museum	Fair
Information booths	Poor
Guided tours	Good
Trails/routes	Fair
Printed information materials	Good
Online (website, social media, etc.)	Good
Transportation facilities	Poor
Other	Poor
If 'Other' is selected, please specify	Teacher of School

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

Over many years, the Etna Park Authority has held many conferences, congresses, meetings, research and scientific publications also together with the national institute of volcanology and the department of biological, geological and environmental sciences of University as well as through training environmental courses aimed at teachers of all levels of school studies and their students. It has also supported research and technological implementations aimed at improving the understanding of Etna

9. Visitor Management

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

many thousand / thousand / many hundred / hundred / few hundred /

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

Entry tickets and registries

Accommodation establishments

Transportation services

Tourism industry

Visitor surveys

Other

Provincial Tourist Boards, Authorizations issued by the Etna Park Authority, Regional Department of Tourism

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

Provincial Tourist Boards, Authorizations issued by the Etna Park Authority, Regional Department of Tourism

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

150 USD / 100 USD / 50 USD / 10 USD / 30 USD / 30 USD /

9.6 - Please provide the source of information

Provincial Tourist Boards, Regional Department of Tourism, Bed and Breakfast owners, Hotels and other local touristic source of information

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

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

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

The Etna site is a natural park with rules and controls exercised by the forestry corps and represents a model among the parks of Sicily.

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

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

9.10 - Is the effectiveness of tourism management regularly monitored?

No

If a different system, please specify

9.11 - How does the tourism industry cooperate with the site management to improve visitor experiences and maintain the

Outstanding Universal Value of the World Heritage property?

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

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

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

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

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

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

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

9.15 - Are there locally driven sustainable tourism initiatives?

No

If 'Yes', please specify

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

Yes

If 'Yes', please specify

improvement of services

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

Very strict rules of the integral reserve area: Mount Etna Core zone, allow a type of tourism that does not involve any type of impact considering that we are talking about the most active volcano in the world and at the same time help the younger generations to respect ecosystems and of natural landscapes

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

various biological and geological studies that can be consulted on the pages of the site <http://www.unescoparcoetna.it/il-parco/>, represent the continuous interest of the Park Authority towards the safeguarding of the most representative ecosystems of the Mount Etna Site

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	Fair
Landowners	Poor
Women	Good
Researchers	Good

Tourism industry	Fair
Local businesses and industry	Poor
NGOs	Fair
Other specific groups	Good
If you selected 'Other specific groups', please specify	School Teachers and Alpine and volcanic Guides

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

The research work carried out to monitor the state of conservation of the Mount Etna site has made it possible to confirm that the general state of the same is excellent and that it has been possible to make adequate use of the site through the rules and information. Furthermore, the presence of the national institute of volcanology and the department of biological, geological and environmental sciences allows us to always have complete information on the general state of the Mount Etna site.

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

Please select 0 more issues.

Please save this question to reflect changes

The answers you provided have not outlined any serious management need, therefore this table is empty. Please **Save** to complete the question.

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

You have not marked any factor as current and negative/positive, therefore this assessment table is empty.
Summary - Factors affecting the Property **completed**

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

10	Monitoring	Actions	Timeframe	Lead agency (and others involved)	More info / comment
10.1		depth monitoring of the state of conservation of the paths in the protected area of the Etna park	27 aprile 2020	Department of Earth of University of Catania	A brief summary of the activities carried out and the results obtained in the context of the research grant entitled "Monitoring of the state of conservation of the paths of the protected area of the Etna park through field activities, production of specific reports and thematic maps is presented", included in the research program: "Strengthening of the management skills of the UNESCO site Mount Etna – 2nd module: Strengthening of the Management and Monitoring staff to support the management of the Unesco Site". The research activity concerned the field monitoring of the UNESCO site of Mount Etna, assisted by the identification of geo-environmental indicators on the GIS platform, suitable for verifying the state of conservation of the paths and neighboring environments and for the management planning of the site conservation purposes, through the production of thematic maps and detailed trail cards. The development phases of the research work concerned the geomorphological characterization of the Etna area falling within the Park area for the classification of the geomorphological elements susceptible to potential erosion

phenomena, the identification of the effects of the erosive action through field surveying and processing maps and, the assessment of the state of conservation and usability of the trail network of the Etna Park. The geomorphological characterization of the Etna area, which has allowed the study of the modification of the earth's surface in response to the physical agents that have acted on it, has formed the basis for the identification of all the physiographic elements insistent in the Etna area, potentially susceptible to erosive phenomena. This characterization was carried out through direct observations in the field, integrated with cartographic elaborations carried out through the use of geographic information systems (GIS). The decision to also operate on a GIS basis was made as these tools allow you to operate with dozens of thousands of cartographic maps superimposed on each other on different levels to display and/or combine information of various kinds, such as altitudes, and exposure of the slopes affected by erosive phenomena, offering enormous potential both in the field of research and in planning decision-making strategies.

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.

Etna Park, has the primary task of safeguarding a unique natural environment and the extraordinary landscape that surrounds the volcanic complex and at the same time promoting economic development compatible with respect for the landscape and the environment. The registration of Etna in the W.H.L. has further emphasized the concept of environmental protection and specifically to increase the geological culture and research in the local populations and an economy based on naturalis values.

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	Very positive
Recognition	Very positive
Education	Very positive
Infrastructure development	Positive
Funding for the property	Very positive
International cooperation	Positive
Political support for conservation	Positive
Legal/Policy framework	Very positive
Advocacy	Positive

Institutional coordination	Positive
Security	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	Very positive
Fostering inclusive local economic development and enhancing livelihood	Very positive
Contributing to conflict prevention, including respect for cultural diversity within and around heritage properties	Very positive
Other	Very positive
If 'Other', please specify	Ethics

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

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

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

1) Monitoring ice-cave 2) Monitoring volcanological activities

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

Sustainable Development
State of Conservation
Management
Governance

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

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

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

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

15.2. Use of Data

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

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

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

15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage

Site Manager/Coordinator World Heritage property staff
Focal points of other international conventions/programmes
Staff from other World Heritage properties
UNESCO National Commission

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

Gender balance is explicitly considered and effectively implemented in the process.

15.3.3 - Were you given adequate time (i.e. roughly ten months) to gather necessary information and to fill in this questionnaire?

Yes

15.3.4 - Please estimate the time (working hours) needed to complete this questionnaire

months / weeks / days /

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

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

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			X	
15.4.2.2	Clarity of questions			X	

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

15.5. Training and Guidance

15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Good
UNESCO National Commission	Good
ICOMOS International	No support
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	Good

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

UNESCO World Heritage Centre	Fair
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Fair
National Commission for UNESCO	Poor
ICOMOS International	No support
ICCROM International/regional	No support
ICOMOS national/regional	No support
IUCN national/regional	Poor
IUCN International	Poor

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.