

Ancient and Primeval Beech Forests of the Carpathians and Other Regions of Europe

1. World Heritage Property Data

1.1 - Name of World Heritage property

Ancient and Primeval Beech Forests of the Carpathians and Other Regions of Europe

1.2 - World Heritage property details

1.3 - Geographic information table

Name	Coordinates	Property (ha)	Buffer zone (ha)	Total (ha)	Inscription year
Chornohora	48.133 / 24.383	2476.8	12925	15401.8	2021
Kuziy-Trybushany	47.933 / 24.133	1369.6	3163.4	4533	2021
Maramarosh	47.933 / 24.317	2243.6	6230.4	8474	2021
Stuzhysia – Uzhok	49.067 / 22.05	2532	3615	6147	2021
Svydovets	48.183 / 24.217	3030.5	5639.5	8670	2021
Uholka – Shyrikyi Luh	48.3 / 23.683	11860	3301	15161	2021
Jasmund	54.548 / 13.645	492.5	2510.5	3003	2021
Serrahn	53.34 / 13.198	268.1	2568	2836.1	2021
Grumsin	52.986 / 13.896	590.1	274.3	864.4	2021
Hainich	51.079 / 10.436	1573.4	4085.4	5658.8	2021
Kellerwald	51.145 / 8.974	1467.1	4271.4	5738.5	2021
Lumi i gashit	42.467 / 20.05	1261.52	8977.48	10239	2021
Rrajca	41.2 / 20.5	2129.45	2569.75	4699.2	2021
Dürrenstei	47.767 / 15.033	1867.45	1545.05	3412.5	2021
Kalkalpen – Hintergebirg	47.733 / 14.467	2946.2	14197.24	17143.44	2021
Kalkalpen – Bodinggraben	47.783 / 14.35	890.89	?	890.89	2021
Kalkalpen – Urlach	47.8 / 14.233	264.82	?	264.82	2021
Kalkalpen – Wilder Graben	47.817 / 14.433	1149.75	?	1149.75	2021
Sonian Forest – Forest Reserve “Joseph Zwaenepoel”	50.75 / 4.4	187.34	4650.86	4838.2	2021
Sonian Forest – Grippensdelle A	50.767 / 4.417	24.11	?	24.11	2021
Sonian Forest - Grippensdelle B	50.783 / 4.417	37.38	?	37.38	2021
Sonian Forest – Réserve forestière du Ticton A	50.733 / 4.433	13.98	?	13.98	2021
Sonian Forest – Réserve forestière du Ticton B	50.717 / 4.417	6.5	?	6.5	2021
Central Balkan – Boatin Reserve	42.8 / 24.267	1226.88	851.22	2078.1	2021
Central Balkan - Tsarichina Reserve	42.767 / 24.4	1485.81	1945.99	3431.8	2021
Central Balkan – Kozya stena Reserve	42.783 / 24.517	644.43	289.82	934.25	2021
Central Balkan – Stara reka Reserve	42.733 / 24.7	2466.1	1762.01	4228.11	2021
Central Balkan – Severen Dzhendem Reserve	42.7 / 24.817	591.2	1480.04	2071.24	2021
Central Balkan - Dzhendema Reserve	42.683 / 24.967	1774.12	2576.63	4350.75	2021
Central Balkan – Severen Dzhendem Reserve	42.733 / 24.933	926.37	1066.47	1992.84	2021
Central Balkan – Peesh skali Reserve	42.75 / 25.067	1049.1	968.14	2017.24	2021
Central Balkan – Sokolna Reserve	42.683 / 25.133	824.9	780.55	1605.45	2021
Hajdu ki i Rožanski kukovi	44.75 / 15	1289.11	9869.25	11158.36	2021
Paklenica National Park - Suva draga-Klimenta	44.333 / 15.5	1241.04	414.76	1655.8	2021

Paklenica National Park - Oglavinovac-Javornik	44.383 / 15.433	790.74	395.35	1186.09	2021
Abruzzo, Lazio & Molise - Valle Cervara	41.817 / 13.717	119.7	751.61	871.31	2021
Abruzzo, Lazio & Molise - Selva Moricento	41.833 / 13.7	192.7	?	192.7	2021
Abruzzo, Lazio & Molise - Coppo del Morto	41.85 / 13.833	104.71	415.51	520.22	2021
Abruzzo, Lazio & Molise - Coppo del Principe	41.783 / 13.733	194.49	446.62	641.11	2021
Abruzzo, Lazio & Molise - Val Fondillo	41.75 / 13.883	325.03	700.95	1025.98	2021
Monte Cimino	42.4 / 12.2	57.54	87.96	145.5	2021
Monte Raschio	42.167 / 12.15	73.73	54.75	128.48	2021
Sasso Fratino	43.833 / 11.8	781.43	6936.64	7718.07	2021
Cheile Nerei-Beu ni a	44.9 / 21.8	4292.27	5959.87	10252.14	2021
Codrul secular inca	45.667 / 25.167	338.24	445.76	784	2021
Codrul Secular SI tioara	47.433 / 25.617	609.12	429.43	1038.55	2021
Cozia - Masivul Cozia	45.317 / 24.317	2285.86	2408.83	4694.69	2021
Cozia – Lotrisor	45.283 / 24.25	1103.3	?	1103.3	2021
Domogled - Valea Cernei - Domogled-Coronini- Bedina	44.933 / 22.467	5110.63	51461.28	56571.91	2021
Domogled – Valea Cernei- launa Craiovei	45.1 / 22.567	3517.36	?	3517.36	2021
Domogled - Valea Cernei- Ciucevele Cerne	45.233 / 22.817	1104.27	?	1104.27	2021
Gro ii ible ului – Izvorul urii	47.533 / 24.183	210.55	563.57	774.12	2021
Gro ii ible ului – Preluci	47.533 / 24.217	135.82	?	135.82	2021
Izvoarele Nerei	45.117 / 22.05	4677.21	2494.83	7172.04	2021
Strimbu B iu	47.617 / 24.067	598.14	713.09	1311.23	2021
Krokar	45.533 / 14.767	74.5	47.9	122.4	2021
Snežnik-Ždrocle	45.583 / 14.45	720.24	128.8	849.04	2021
Hayedos de Ayllon - Tejera Negra	43.383 / -3.383	255.52	13880.86	14136.38	2021
Hayedos de Ayllon – Montejo	41.1 / -3.483	71.79	?	71.79	2021
Hayedos de Navarra – Lizardoia	43 / -1.1	63.97	24494.52	24558.49	2021
Hayedos de Navarra - Aztaparreta	42.9 / -0.8	171.06	?	171.06	2021
Hayedos de Picos de Europa - Cuesta Fria	43.167 / -4.983	213.65	14253	14466.65	2021
Hayedos de Picos de Europa - Canal de Asotin	43.167 / -4.883	109.58	?	109.58	2021
Gorgany	48.467 / 24.283	753.48	4637.59	5391.07	2021
Roztochya	49.95 / 23.633	384.81	598.21	983.02	2021
Satan vska Dacha	49.167 / 26.233	212.01	559.37	771.38	2021
Synevyr – Darvaika	48.483 / 23.733	1588.46	312.32	1900.78	2021
Synevyr – Kvasovets	48.383 / 23.7	561.62	333.63	895.25	2021
Synevyr – Strymba	48.45 / 23.783	260.65	191.14	451.79	2021
Synevyr – Vilshany	48.35 / 23.65	454.31	253.85	708.16	2021
Zacharovanyi Krai – Irshavka	48.45 / 23.083	93.97	1275.44	1369.41	2021
Zacharovanyi Krai - Velykyi Dil	48.417 / 23.15	1164.16	?	1164.16	2021
Prašuma Janj	44.133 / 17.267	295.04	380.74	675.78	2021
Forêt de la Bettlachstock	47.217 / 7.4	195.43	1094.16	1289.59	2021
Valli di Lodano, Busai and Soladino Forest Reserves	46.25 / 8.65	806.78	2330.74	3137.52	2021
Jizera Mountains	50.85 / 15.15	444.81	2279.4	2724.21	2021

Chapitre	44.633 / 5.983	371.3	41.65	412.95	2021
Grand Ventron	47.967 / 6.933	319.4	1327.6	1647	2021
Massane	42.467 / 3.017	239.5	1433.3	1672.8	2021
Falascone (Foresta Umbra)	41.8 / 15.967	254.3	3486.29	3740.59	2021
Pavari-Sfilzi (Foresta Umbra)	41.833 / 16.017	667.13	?	667.13	2021
Cozzo Ferriero (Pollino National Park)	39.9 / 16.1	95.75	2851.83	2947.58	2021
Pollinello (Pollino National Park)	39.883 / 16.183	477.94	?	477.94	2021
Valle Infernale	38.117 / 15.95	320.79	2191.36	2512.15	2021
Dlaboka Reka	41.75 / 20.583	193.27	234.7	427.97	2021
Border Ridge and Gorna Solinka valley (Bieszczady)	49.083 / 22.55	1506.05	24330.52	25836.57	2021
Polonina Wetlinska and Smerek (Bieszczady)	49.167 / 22.5	1178.03	?	1178.03	2021
Terebowiec stream valley (Bieszczady)	49.083 / 22.717	201	?	201	2021
Wolosatka stream valley (Bieszczady)	49.067 / 22.733	586.66	?	586.66	2021
Havešová Primeval Forest (Poloniny)	49 / 22.333	167.86	6470.84	6638.7	2021
Rožok (Poloniny)	48.967 / 22.45	74.35	1138.71	1213.06	2021
Stužica - Bukovské Vrchy (Poloniny)	49.083 / 22.483	1742.26	5694.11	7436.37	2021
Udava (Poloniny)	49.167 / 22.217	455.79	814.62	1270.41	2021
Vihorlat	48.9 / 22.183	1552.75	853.91	2406.66	2021
Total (ha)		98124.96	294716.32	392841.28	

1.4 - Map(s)

Title	Date	Link to source
Primeval Beech Forests of the Carpathians, maps	2007	
Ancient Beech Forests of Germany - maps of inscribed extension	2011	
Ancient and Primeval Beech Forests of the Carpathians and Other Regions of Europe - maps of the inscribed extension	2017	
Ancient and Primeval Beech Forests of the Carpathians and Other Regions of Europe - maps of the inscribed extension	2021	

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

1. [Primeval Beech forests of the Carpathians and Ancient Beech Forests of Germany](#)
2. unpp.com.ua
3. [Poloniny National Park and East Carpathian Biosphere Reserve](#)
4. [Bieszczadzki Park Narodowy](#)

Comment

please replace the sites above by this site <https://www.europeanbeechforests.org/>

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.	

2.8 - Please add any further comments on cooperation with the other designation(s)/programme(s)**2.9 - Are you aware of any elements associated with the World Heritage property that have been inscribed on the Representative List of the Intangible Cultural Heritage?**

Not aware

2.10 - Please list any elements associated with the World Heritage property inscribed under the Convention for the Safeguarding of the Intangible Cultural Heritage of which you are aware**2.11 - Are you aware of any documentary heritage listed under the Memory of the World Programme associated with the World Heritage property?**

Not aware

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

The "Ancient and Primeval Beech Forests of the Carpathians and Other Regions of Europe" are a transnational serial property comprising 94 component parts across 18 countries. They represent an outstanding example of relatively undisturbed, complex temperate forests and exhibit a wide spectrum of comprehensive ecological patterns and processes of pure and mixed stands of European beech across a variety of environmental conditions. During each glacial phase (ice ages) of the last 1 million years, European beech (*Fagus sylvatica*) survived the unfavourable climatic conditions in refuge areas in the southern parts of the European continent. These refuge areas have been documented by scientists through palaeoecological analysis and using the latest techniques in genetic coding. After the last Ice Age, around 11,000 years ago, beech started expanding its range from these southern refuge areas to eventually cover large parts of the European continent. During this expansion process, which is still ongoing, beech formed different types of plant communities while occupying largely different environments. The interplay between a diversity of environments, climatic gradients and different species gene pools has and continues to shape this high diversity of beech forest communities. These forests contain an invaluable population of old trees and a genetic reservoir of beech and many other species, which are associated with and dependent on these old-growth forest habitats.

Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus *Fagus* which, given its wide distribution in the Northern Hemisphere and its ecological importance, is globally significant. These largely undisturbed, complex temperate forests exhibit comprehensive ecological patterns and processes of pure and mixed stands of European beech across a variety of environmental gradients, including climatic and geological conditions, spanning almost all European Beech Forest Regions. Forests are included from all altitudinal zones from coastal areas to the treeline and, include the best remaining examples from the range limits of the European beech forest. Beech is one of the most important features in the Temperate Broadleaf Forest Biome and represents an outstanding example of the re-colonization and development of terrestrial ecosystems and communities since the last Ice Age. The continuing northern and westward expansion of beech from its original glacial refuge areas in the eastern and southern parts of Europe can be tracked along natural corridors and stepping stones spanning the continent. The dominance of beech across extensive areas of Europe is a living testimony of the tree's genetic adaptability, a process which is still ongoing.

Integrity

The selected component parts represent the diversity of ancient and primeval beech forests found across Europe in terms of different climatic and geological conditions and altitudinal zones. The property includes component parts, which convey its Outstanding Universal Value (OUV), and represent the variability of European beech forest ecosystems. Together these component parts contribute to the integrity of the property as a whole. Additionally, each component part needs to demonstrate integrity at the local level by representing the full suite of natural forest development processes in its particular geographical and ecological setting within the series. Most of the component parts are of sufficient size to maintain such natural processes necessary for their long-term ecological viability.

The most significant threats to the property are logging and habitat fragmentation. Logging activities in the vicinity of component parts can cause microclimatic changes and nutrient mobilising effects, with negative impacts on the integrity of the property. Land use change in the surrounding landscapes can lead to increased habitat fragmentation, which would be of particular concern for smaller component parts. Infrastructure development is a potential threat only in the surroundings of a few component parts.

Climate change already poses a risk to some component parts and further impacts can be anticipated, including changes in species composition and habitat shifting. However, it should be noted that one of the attributes of the Outstanding Universal Value of the property is its demonstration of the ability of beech to adapt to different ecological and climatic regimes throughout its range. Therefore, potential future changes need to be monitored and documented in order to better understand these processes.

The above-mentioned threats may affect the integrity of the component parts to a different extent and in different ways, for example through the reduction of structural diversity, fragmentation, loss of connectivity, biomass loss and changed microclimate, which reduce ecosystem functionality and adaptive capacity as a whole. To cope with these threats, buffer zones are established and are managed accordingly by the responsible management bodies.

Protection and management requirements

A strict non-intervention management is essential for the conservation of the OUV of this serial property across all its component parts. The majority of the 94 component parts are protected by law as strict forest reserves, wilderness areas, core areas of biosphere reserves or national parks (IUCN category I or II). Some of the component parts are protected and managed by Forest Management Plans (with regulations ensuring no logging in old-growth forests). As it is of uppermost importance to guarantee strong protection status in the long term, the protection status will be improved where needed.

To ensure the viability of the four component parts smaller than the established minimum size of 50 ha, an enlargement of the component parts with further non-intervention management will be considered by the States Parties. Additionally, an effective management of buffer zones to protect the property from external threats and to safeguard its integrity is of uppermost importance.

The integrity of each component part is the responsibility of the State Party and is ensured by the relevant local management units. For the coherent protection and

management of the property, as well as to coordinate activities between the management units and the 18 States Parties, a functional organisational structure should be established. To ensure this aspect, an Integrated Management System was developed during the nomination process and will be maintained to allow effective and coordinated management and protection of the property as a whole. The Joint Management Committee, comprising representatives of all States Parties, formulated a Joint Declaration of Intent. This Declaration regulates and structures the cooperation between all the States Parties whose territory is included in the property and ensures the commitment to protect and strengthen the Outstanding Universal Value of the property. The position of a coordinator will be established and maintained to support the Joint Management Committee and the States Parties in their work.

The Integrated Management System and the management plans of the component parts will ensure a non-intervention management approach for the component parts while the buffer zones will be managed to avoid negative impacts on the Outstanding Universal Value of the property with a specific focus on ensuring integrity remains intact. To harmonise the management approach across the 94 component parts, the States Parties will develop common objectives and coordinated activities which will cover property and buffer zone management, monitoring and research, education and awareness raising, visitor management and tourism as well as financial and human capacity building. It is proposed to establish a coherent monitoring system based on selected ecological (proxy) indicators of integrity within all component parts to compare long-term development. It is imperative that each State Party provides clear and committed long-term funding arrangements, to support consistent national site management as well as coordinated management.

Special attention is required to ensure the configuration of the property such that each component part retains ongoing viability to evolve with unimpeded ecological and biological processes and without the need for substantial interventions. This includes the integration of surrounding forest ecosystems to provide sufficient protection and connectivity, especially for small component parts. All component parts have buffer zones of various configurations including surrounding protected areas (national parks, nature parks, biosphere reserves and others). These buffer zones will be regularly monitored to ensure protection under changing environmental conditions such as climate change. The boundaries of buffer zones should, where possible, be aligned with existing protected area boundaries and should be expanded to connect component parts where they are in close proximity. Finally, where appropriate, special ongoing emphasis is needed to ensure effective ecological connectivity between beech forests and the surrounding complementary habitats to allow natural development and adaptation of the forest to the environmental change.

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	Beech forests left to natural evolution (largely undisturbed by human activity)	✗			
3.2.2	Ancientness/old-growthness	✗			
3.2.3	Genetic reservoir of beech	✗			
3.2.4	Diversity of beech-associated forest communities and habitat for a great diversity of species	✗			
3.2.5	Areas to fully illustrate ecological processes and their long-term ecological viability	✗			
3.2.6	Representativeness of almost all Beech Forest Regions and wide range of environmental conditions	✗			
3.2.7	Representativeness of all glacial refugia and different routes of expansion, as well as different genotypes as a result of the natural expansion process	✗			
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 (25/07/2014):

- Not relevant

Relevant	✗ Not relevant
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4.1.2 - Commercial development

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant	✗ Not relevant
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4.1.3 - Industrial areas

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.1.4 - Major visitor accommodation and associated infrastructure

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant











4.1.5 - Interpretative and visitation facilities

Previous answer Cycle 2 (25/07/2014):

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

✕ Relevant

Not relevant

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

4.1.6 - 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 (25/07/2014):

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

✕ Relevant

Not relevant

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

4.2.2 - Underground transport infrastructure

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.2.3 - Air transport infrastructure

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.2.4 - Marine transport infrastructure

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant





4.2.5 - Effects arising from use of transportation infrastructure

Previous answer Cycle 2 (25/07/2014):

- Not relevant

✕ Relevant

Not relevant

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

Negative							
----------	--	--	--	--	--	--	--

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

OUV:Infrastructure development is a potential threat only in the surroundings of a few component parts.

4.3. Services Infrastructures

4.3.1 - Water infrastructure

Previous answer Cycle 2 (25/07/2014):

- Relevant, Positive, Current, Outside

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

4.3.2 - Renewable energy facilities

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Potential, Outside

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

4.3.3 - Non-renewable energy facilities

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.3.4 - Localised utilities

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.3.5 - Major linear utilities

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.3.6 - Please comment as necessary on how the factors selected as relevant in 4.3 are affecting the property either negatively or positively

Germany : Grumsin: In 2022, the authorities approved the construction of a high-voltage line outside of the component Grumsin. It is planned to be build within a distance of only 1 km from the component. The risk of degredation of the landscape and endangerment of bird protection areas in the component cannot be ruled out. 4.3.5 Major linear utilities might mainly affect some sites in switzerland

4.4. Pollution

4.4.1 - Pollution of marine waters

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.4.2 - Ground water pollution

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.4.3 - Surface water pollution

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.4.4 - Air pollution

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.4.5 - Solid waste

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.4.6 - Input of excess energy

Previous answer Cycle 2 (25/07/2014):

- 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 (25/07/2014):

- Not relevant

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

4.5.2 - Aquaculture

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.5.3 - Land conversion

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.5.4 - Livestock farming/Grazing of domesticated animals

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Current, Outside

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

4.5.5 - Crop production

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.5.6 - Commercial wild plant collection

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.7 - Subsistence wild plant collection

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Current, Outside

Relevant

✕ Not relevant

4.5.8 - Commercial hunting

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.5.9 - Subsistence hunting

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant










4.5.10 - Forestry/Wood production

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Current, Inside, Outside

✕ Relevant

Not relevant

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

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

4.6. Physical resource extraction

4.6.1 - Mining

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Current, Outside

Relevant

✕ Not relevant

4.6.2 - Quarrying

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.6.3 - Oil and gas

Previous answer Cycle 2 (25/07/2014):

- Relevant, Negative, Potential, Outside

Relevant

✕ Not relevant

4.6.4 - Water (extraction)

Previous answer Cycle 2 (25/07/2014):

- Relevant, Positive, Current, Outside

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 (25/07/2014):

- Not relevant

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

4.7.2 - Relative humidity

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.7.3 - Temperature

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.7.4 - Radiation/Light

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.7.5 - Dust

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.7.6 - Water (rain/water table)

Previous answer Cycle 2 (25/07/2014):


- Not relevant

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

4.7.7 - Pests

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.7.8 - Micro-organisms

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

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

pest: an example is african swine fever

4.8. Social/Cultural uses of heritage

4.8.1 - Ritual/Spiritual/Religious and associative uses

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.8.2 - Society's valuing of heritage

Previous answer Cycle 2 (25/07/2014):

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

Relevant

✕ Not relevant

4.8.3 - Indigenous hunting, gathering and collecting

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.8.4 - Changes in traditional ways of life and knowledge system

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

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

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant










4.8.6 - Impacts of tourism/Visitation/Recreation

Previous answer Cycle 2 (25/07/2014):

- Relevant, Positive, Negative, Current, Potential, Outside

✕ Relevant

Not relevant

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

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

4.9. Other human activities










4.9.1 - Illegal activities

Previous answer Cycle 2 (25/07/2014):

- Not relevant

✕ Relevant

Not relevant

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

4.9.2 - Deliberate destruction of heritage

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.9.3 - Military training

Previous answer Cycle 2 (25/07/2014):

- Relevant, Positive, Current, Inside




Relevant

✕ Not relevant

4.9.4 - War

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.9.5 - Terrorism

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.9.6 - Civil unrest

Previous answer Cycle 2 (25/07/2014):

- 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

war is affecting only the sites in Ukraine

4.10. Climate change and severe weather events

4.10.1 - Storms

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.10.2 - Flooding

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.10.3 - Drought

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.10.4 - Desertification

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.10.5 - Changes to oceanic waters

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.10.6 - Temperature change

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.10.7 - Other climate change impacts

Previous answer Cycle 2 (25/07/2014):

- 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

Windthrows are usually not seen as negative impacts, here an interesting paper about disturbances in old growth forests:
https://www.researchgate.net/profile/AloisSimon/publication/232396203_The_influence_of_windthrow_microsites_on_tree_regeneration_and_establishment_in_an_old_growth_mountain_forest/links/5a4e89a6aca2726172bbc9b5/The-influence-of-windthrow-microsites-on-t Water retention is a decisive factor for natural habitats to improve their resilience against the impacts of climate change

4.11. Sudden ecological or geological events

4.11.1 - Volcanic eruption

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.2 - Earthquake

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.3 - Tsunami/Tidal wave

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.4 - Avalanche/Landslide

Previous answer Cycle 2 (25/07/2014):

- Not relevant

✕ Relevant

Not relevant

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

4.11.5 - Erosion and siltation/Deposition

Previous answer Cycle 2 (25/07/2014):

- Not relevant

Relevant

✕ Not relevant

4.11.6 - Fire (wildfire)

Previous answer Cycle 2 (25/07/2014):

- Not relevant

✕ Relevant

Not relevant

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

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

4.12. Invasive/alien species or hyper-abundant species

4.12.1 - Translocated species

Previous answer Cycle 2 (25/07/2014):









- Not relevant

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

4.12.2 - Invasive/Alien terrestrial species

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.12.3 - Invasive/Alien freshwater species

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.12.4 - Invasive/Alien marine species

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.12.5 - Hyper-abundant species

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

4.12.6 - Modified genetic material

Previous answer Cycle 2 (25/07/2014):

- 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

Since the components are protected areas lost native species such as the wolf and the wildcat returned to the components.

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 (25/07/2014):

- Relevant, Positive, Negative, Current, Inside, Outside

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

4.13.5 - Financial resources

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

4.13.6 - Human resources

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

4.13.7 - Low impact research/monitoring activities

Previous answer Cycle 2 (25/07/2014):

- Relevant, Positive, Current, Potential, Outside

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

4.13.8 - High impact research/monitoring activities

Previous answer Cycle 2 (25/07/2014):

- Not relevant

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

































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

4.14. Other factor(s)

4.14.1 - Other factor(s)

4.15. Factors Summary Table

4.15.1 - Factors Summary Table

Name	Impact		Origin		Trend	
4.1 Buildings and Development						
4.1.5 Interpretative and visitation facilities						
4.2 Transportation Infrastructure						
4.2.1 Ground transport infrastructure						
						
4.2.5 Effects arising from use of transportation infrastructure						
						
4.3 Services Infrastructures						
4.3.1 Water infrastructure						
						
4.3.2 Renewable energy facilities						
						
4.3.5 Major linear utilities						
						
4.5 Biological resource use/modification						
4.5.4 Livestock farming/Grazing of domesticated animals						
						
4.5.10 Forestry/Wood production						
						

4.7 Local conditions affecting physical fabric						
4.7.7 Pests						
4.8 Social/Cultural uses of heritage						
4.8.6 Impacts of tourism/Visitation/Recreation						
4.9 Other human activities						
4.9.1 Illegal activities						
4.9.4 War						
4.10 Climate change and severe weather events						
4.10.1 Storms						
4.10.3 Drought						
4.11 Sudden ecological or geological events						
4.11.4 Avalanche/Landslide						
4.11.6 Fire (wildfire)						
4.12 Invasive/alien species or hyper-abundant species						
4.12.2 Invasive/Alien terrestrial species						
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

4.1 Buildings and Development

Name		Impact			Origin		Trend
4.1.5 Interpretative and visitation facilities							
Spatial scale - Area affected by the factor							
	Restricted						
	Localised						
	Extensive						
	Widespread						
Temporal scale - Occurence of the impact							
	One off or rare						




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

4.2 Transportation Infrastructure

Name	Impact			Origin		Trend
4.2.1 Ground transport infrastructure						
						

Spatial scale - Area affected by the factor	
✕	Restricted
	Localised
	Extensive
	Widespread
Temporal scale - 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
4.2.5 Effects arising from use of transportation 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

4.3 Services Infrastructures

Name	Impact			Origin		Trend
4.3.1 Water infrastructure						
						




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

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

Impact - Impact on the attributes	
	Insignificant
X	Minor
	Significant
	Major

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

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

Name	Impact			Origin		Trend
4.3.2 Renewable energy facilities						
						




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
	Frequent
X	On-going

Impact - Impact on the attributes	
	Insignificant
X	Minor
	Significant
	Major

Management response - Capacity of management to respond	
	High capacity
X	Medium capacity
	Low capacity

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

Name	Impact	Origin	Trend
4.3.5 Major linear utilities			
			

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

4.5 Biological resource use/modification

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

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








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

Name	Impact	Origin	Trend
4.5.10 Forestry/Wood production			
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






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

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

4.7 Local conditions affecting physical fabric





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

4.8 Social/Cultural uses of heritage

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

4.9 Other human activities

Name	Impact			Origin		Trend
4.9.1 Illegal activities						
						

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


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

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






Impact - Impact on the attributes	
	Insignificant
✕	Minor
	Significant
	Major

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

4.10 Climate change and severe weather events

Name	Impact	Origin	Trend
4.10.1 Storms			






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

Name	Impact			Origin		Trend
4.10.3 Drought						
						

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

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

4.11 Sudden ecological or geological events

Name	Impact	Origin	Trend
4.11.4 Avalanche/Landslide	 	 	

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
------	--------	--------	-------

4.11.6 Fire (wildfire)							
Spatial scale - Area affected by the factor							
<input checked="" type="checkbox"/>	Restricted						
<input type="checkbox"/>	Localised						
<input type="checkbox"/>	Extensive						
<input type="checkbox"/>	Widespread						
Temporal scale - Occurrence of the impact							
<input type="checkbox"/>	One off or rare						
<input checked="" type="checkbox"/>	Intermittent or sporadic						
<input type="checkbox"/>	Frequent						
<input type="checkbox"/>	On-going						
Impact - Impact on the attributes							
<input type="checkbox"/>	Insignificant						
<input checked="" type="checkbox"/>	Minor						
<input type="checkbox"/>	Significant						
<input type="checkbox"/>	Major						
Management response - Capacity of management to respond							
<input type="checkbox"/>	High capacity						
<input checked="" 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						

4.12 Invasive/alien species or hyper-abundant species

Name	Impact			Origin		Trend
4.12.2 Invasive/Alien terrestrial species						
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	
	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
4.13.7 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
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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	Beech forests left to natural evolution (largely undisturbed by human activity)	×			
4.18.1.2	Ancientness/old-growthness	×			
4.18.1.3	Genetic reservoir of beech	×			
4.18.1.4	Diversity of beech-associated forest communities and habitat for a great diversity of species	×			
4.18.1.5	Areas to fully illustrate ecological processes and their long-term ecological viability	×			

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

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

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

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

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

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

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

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

5.2. Protective Measures

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

Comment

will be send by email

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

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

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

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

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

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

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

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

There is **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

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

5.3. Management System/Management Plan

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

Public management system joint national/ local

If 'Other', please specify

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

A statutory Management Plan or zoning plan for the property.
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 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

5.3.4 - Management Documents

Title	Status	Available	Date	Link to source
Management Plan (management provisions as included in the nomination dossiers)	N/A	Available	2011	
Integrated Management Plan for The Serial Nomination "Beech Primeval Forests of the Carpathians"	N/A	Available	2007	

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 **only partially implemented**

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

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

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

		Not applicable	No mechanisms for participation	Some participation	Direct participation	Transformative participation in all relevant decision processes
5.3.15.1	Local communities			✗		
5.3.15.2	Local authorities				✗	
5.3.15.3	Landowners in the property and the buffer zone				✗	
5.3.15.4	Indigenous peoples	✗				
5.3.15.5	Women					✗

5.3.15.6	Other specific groups	×				
	If you selected, 'Other specific groups' please specify					

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

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

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

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

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

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

Given the diversity of protected areas in the transboundary serial site, the management system integrates all the different components. Implementation of concrete management activities depends on the site management. The questionnaire only allows to certain extent to cover this diversity.

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	9,91 %	0 %
6.1.1.3	World Heritage Fund (International Assistance)	0 %	0 %

6.1.1.4	Contribution from other conventions and programmes	4,03 %	0,42 %
6.1.1.5	International donations (NGOs, foundations, etc.)	9,39 %	0 %
6.1.1.6	Governmental (national/federal)	49,35 %	55,16 %
6.1.1.7	Governmental (regional/provincial/state)	14,56 %	29,28 %
6.1.1.8	Governmental (local/municipal)	7,62 %	7,22 %
6.1.1.9	In-country donations (NGOs, foundations, etc.)	0,73 %	1,46 %
6.1.1.10	Individual visitor charges (e.g. entry, toilets, parking, camping fees, etc.)	3,12 %	5,31 %
6.1.1.11	Commercial activities (e.g. merchandising and catering, filming permit, concessions, etc.)	1,30 %	1,16 %
6.1.1.12	Other	4 %	2 %
		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 acceptable** but **could be further improved** to fully meet the management needs

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	67 %	62 %
6.1.6.2	Women	33 %	38 %
		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	Poor
Capacity development and education	Good
Administration	Good
Research and monitoring	Good
Awareness raising and public information/communication	Fair
Marketing and promotion	Poor
Interpretation	Fair
Visitor management/tourism	Fair
Enforcement (custodians, police)	Fair

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

Conservation	Good
Environmental sustainability	Good
Community participation and inclusion	Poor
Risk preparedness	Poor
Capacity development and education	Poor

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

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 fully implemented; all technical skills are being transferred to those managing the property locally

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

7. Scientific Studies and Research Projects

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

Knowledge about the values and attributes of the World Heritage property is **acceptable** for most key areas but there are gaps

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

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

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

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

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

8. Education, Information and Awareness Building

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

Local communities	Poor
Local/municipal authorities	Fair
Indigenous peoples	Not applicable
Landowners	Poor
Women	Fair
Youth/children	Fair
Researchers	Fair
Local visitors	Fair
National/international tourists	Fair
Tourism industry	Fair
Local businesses and industries	Poor
NGOs	Fair
Other specific groups	Not applicable
If you selected 'Other specific groups', please describe	

8.2 - Does the property have a heritage education programme(s) for children and/or youth, that can contribute to a better understanding of heritage, promote diversity and foster intercultural dialogue?
There is a **planned and effective education and awareness programme** for children and youth that contributes to the protection of the World Heritage property

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

Local communities
Local/municipal authorities
Landowners
Women
Youth/children
Researchers
Local Visitors
National/international tourists
Tourism industry
Local businesses and industries
NGOs

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	Fair
Site museum	Poor
Information booths	Fair
Guided tours	Fair
Trails/routes	Good
Printed information materials	Good
Online (website, social media, etc.)	Fair
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

6.850.129 / 7.059.794 / 7.332.907 / 6.731.315 / 7.002.276 /

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

Entry tickets and registries
Accommodation establishments
Tourism industry
Visitor surveys

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

One to three hours

9.4 - Please provide the source of information

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

33 / 35 / 17 / 8 / 2 / 4 /

9.6 - Please provide the 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 **strategy** to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are **some deficiencies in implementation**

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 managed but **improvements could be made**

9.10 - Is the effectiveness of tourism management regularly monitored?

Yes, using a different system

If a different system, please specify

every component part has his own system

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

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

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

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

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

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

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

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

9.15 - Are there locally driven sustainable tourism initiatives?

Yes

If 'Yes', please specify

Poland: ProCarpathia Foundation, Bieszczadzka Foundation, Karpacka Foundation and others. Austria: • Lunz: "Bergsteigerdorf" ("Mountaineering Villages": an initiative by the Austrian Alpine Association for alpine villages): these villages are model regional development centres that showcase sustainable Alpine tourism with all its relevant traditions; • numerous family driven restaurants and small hotels Italy: Hiking, horse excursions, biking, camping, farm house, slow-food..Romania: The Domogled – Valea Cernei National Park Administration has developed partnerships with local tourism operators for guiding tourists to visit the UNESCO Heritage. The Cheile Nerei-Beusnita Park Administration is involved in the process to designate the area as ecotouristic destination. Strambu Baiut Forest District has received the Ecosystem Services Certification by FSC for 5 years, starting September 2022) which recognizes the contribution of forests the maintenance and development of ecosystem services such as biodiversity and recreational activities. Germany: The Hainich Canopy walk (in the direct vicinity of the bufferzone of the property) is a touristic highlight which enables visitors a beech forest experience in the canopy of the forest. This tourism project is run by the municipality auf Bad Langensalza (it was financed by the Federal State Thuringia, the EU and a foundation; since 2015 it received 3.2 million visitors). All German component parts have a project called "Partner"-network which includes enterprises working sustainably (tourism, transport, certified nature guides etc.) in the region. In the Kellerwald region, a formerly closed railway line has been reactivated and services the so-called national park train station " Herzhausen", providing a sustainable transport option to visit the WH. Slovakia: See at <https://www.objavtepoloniny.sk/> or <https://regionpoloniny.sk/>

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

Yes

If 'Yes', please specify

Poland: climatic change goes to the local communes. Austria: Tourism Tax is collected by touristic offers, shared with local governments and reinvested in the regions and communities Italy: local communities are the main beneficiaries economically and socially (direct jobs, hospitality, guides, bars, food production, retail..) Croatia: The protected area (National Park and the WH within) is one of the main drivers of economy for the local community as it is one of the biggest attractants of visitors to the area. Germany: Hainich: The canopy walk way belongs to a local municipality so the entry fees go there. The regional economic effects for the five protected areas have been calculated following the methodology provided by UNESCO's "Visitors count!" Guidance. They amount to : Hainich NLP: 1.1 Mio. Euro/year Jasmund NLP: 7.4 Mio. Euro/year Kellerwald-Edersee NLP: 519.000 Euro/year Müritzer NLP (Serrahn is a component): 4.9 million Euro/year Grünsin: the component only covers a small part of the BR Schorfheide Grünsin; the regional economic effects are therefore not listed here. Slovakia: NP Poloniny yes. There are several private facilities providing accommodation or food in local villages, which have a certain profit from visitors. The owners of those facilities pay lodging taxes to local municipalities.

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 **considerable monitoring** but it is not directed towards management needs and/or improving the understanding of 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 but monitoring of the status of indicators could**

be improved

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	Poor
Local communities	Poor
Indigenous peoples	Not applicable
Landowners	Fair
Women	Fair
Researchers	Good
Tourism industry	Poor
Local businesses and industry	Fair
NGOs	Poor
Other specific groups	Not applicable
If you selected 'Other specific groups', please specify	

10.6 - Has the State Party implemented relevant recommendations arising from the World Heritage Committee?

Implementation is underway

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

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

11. Identification of Priority Management Needs

11.1 - Identification of Priority Management Needs

5.2	Protective Measures	
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	✗
5.3.13	The management system at the property is only being partially implemented	
5.3.17	<ul style="list-style-type: none"> In a limited manner, the management system of the World Heritage property does contribute to fostering inclusive local economic development, and to enhancing livelihood In a limited manner, the management system of the World Heritage property does contribute to conflict prevention, including respect for cultural diversity within and around the World Heritage property 	
6.1	Funding	
6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	✗
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	✗

9	Visitor Management		
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation		✕
9.9	Visitor use of the World Heritage property is managed but improvements could be made		✕
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation		✕
10	Monitoring		
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value		✕
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but monitoring of the status of indicators could be improved		✕
Please select 1 more issues.			
<input checked="" type="checkbox"/> Please save this question to reflect changes			

12. Summary and Conclusions

12.1. Summary - Factors affecting the Property

12.1.1 - Summary - Factors affecting the Property

4.2	Transportation Infrastructure						
4.2.1	Ground transport infrastructure	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the forest area	continuous monitoring	continuous monitoring	contin	all 18 SP+ coordination office	non applicable
4.2.5	Effects arising from use of transportation infrastructure	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the forest area	continuous monitoring	continuous monitoring	contin	all 18 SP+ coordination office	NA
4.3	Services Infrastructures						
4.3.1	Water infrastructure	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	continuous monitoring	continuous monitoring	contin	all 18 SP+ coordination office	non applicable
4.3.2	Renewable energy facilities	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	continuous monitoring	continuous monitoring	contin	all 18 SP+ coordination office	non applicable
4.3.5	Major linear utilities	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	continuous monitoring	continuous monitoring	contin	all 18 SP+ coordination office	NA
4.7	Local conditions affecting physical fabric						
4.7.7	Pests	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity	continuous monitoring	continuous monitoring	contin	all 18 SP+ coordination office	non applicable

4.8	Social/Cultural uses of heritage						
4.8.6	Impacts of tourism/Visitation/Recreation	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	continuous monitoring	continuous monitoring	continuu	all 18 SP+ coordination office	not applicable
4.9	Other human activities						
4.9.4	War	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	awarness raising	continuu	on going	SP of Ukraine+ coordination office	non applicable
4.10	Climate change and severe weather events						
4.10.3	Drought	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	continuous monitoring	continuous monitoring	on going	all 18 SP+ coordination office	non applicable
4.12	Invasive/alien species or hyper-abundant species						
4.12.2	Invasive/Alien terrestrial species	Criterion (ix): The property is indispensable for the understanding of the history and evolution of the genus Fagus Attribute: might affect the high typical biodiversity and the forest area	continuous monitoring	continuous monitoring	continuu	all 18 SP+ coordination office	NA

Summary - Factors affecting the Property **completed**

12.2. Summary - Management Needs

12.2.1 - Summary - Management Needs

5.3	Management System/Management Plan				
		Actions	Timeframe	Lead agency (and others involved)	More info / comment
5.3.7	No use has been made of the Policy Document on the Impacts of Climate Change on World Heritage Properties at the property	The policy document will be shared and discussed with all SP once the revised policy is adapted by the GA	early 2024	Unesco beech WHS coordination office	not applicable
5.3.9	No use has been made of the Strategy for Reducing Risks from Disasters at World Heritage Properties at the property	The policy document will be shared and discussed with all SP	before the end of 2023	Unesco beech WHS coordination office	not applicable
6.1	Funding				

6.1.3	The available budget is acceptable but could be further improved to fully meet the management needs of the World Heritage property	Mobilise additional European Funding	continuous	Unesco beech WHS coordination office	not applicable
6.1.10	No use has been made of the World Heritage Strategy for Capacity Development at the World Heritage property	The policy document will be shared and discussed with all SP , relevance for the property will be discussed	before the end of 2023	Unesco beech WHS coordination office	not applicable

9	Visitor Management				
9.7	There is a strategy to manage visitors, tourism activity and its derived impacts on the World Heritage property but there are some deficiencies in implementation	This can be improved via an additional european project	starting from 2025	Unesco beech WHS coordination office	not applicable
9.9	Visitor use of the World Heritage property is managed but improvements could be made	This can be approved via an additional european project	starting from 2025	Unesco beech WHS coordination office	not applicable
9.11	There is limited cooperation between those responsible for the World Heritage property and the tourism industry to present the Outstanding Universal Value and increase appreciation	This can be approved via an additional european project	starting from 2025	Unesco beech WHS coordination office	not applicable

10	Monitoring				
10.1	There is considerable monitoring at the World Heritage property but it is not directed towards management needs and/or improving understanding of Outstanding Universal Value	Improving of the monitoring system of our WHS	Process has started in 2023	Unesco beech WHS coordination office	not applicable
10.2	Information on the values of the World Heritage property is adequate and key indicators have been defined but	Improving of the monitoring system of our WHS	process has started in 2023	Unesco beech WHS coordination office	not applicable

	monitoring of the status of indicators could be improved				
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Summary - Management Needs completed

12.3. Conclusions on the State of Conservation of the Property

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

Not applicable (sites inscribed exclusively under criteria vii to x (natural World Heritage properties))

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	Positive
Quality of life for local communities and indigenous peoples	No impact
Recognition	Positive
Education	Positive
Infrastructure development	Positive
Funding for the property	Positive
International cooperation	Very positive
Political support for conservation	Very positive
Legal/Policy framework	Very positive
Advocacy	Positive
Institutional coordination	Very positive
Security	Not applicable
Gender equality	Not applicable
Provision of ecosystem services/ benefits to local communities	Positive
Social inclusion and equity, and improvement of opportunities for all, irrespective of age, sex, disability, ethnicity, origin, religion, or economic or other status	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	Positive
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

We manage to mobilise external European funding to help us to realize concrete actions related to science, management, awareness raising. The following projects are recently being funded: Life Prognoses – Protection of Old-Growth forests in Europe – is a project financed by the Life + fund of the European Union. It involves

different organizations from 8 European countries. We set up scientific studies on old-growth forests in Europe. We communicate to professionals and the general public the importance of these forests for human beings, and how best to protect them. The first work package concerns the realization of maps of old-growth forests in Europe. Before making maps, we'll elaborate criteria and methods to map the forests in a consistent way. The second work package consists in identifying the benefits of old-growth forests, which are called "ecosystem services". The third work package consists in communication about old growth forests in Europe. <https://lifeprognoses.eu/> Beech power project (interreg)- The Project objective is to improve management quality and effectiveness of the WH site to safeguard the ecosystem integrity of the single component parts by improving capacities and active participation possibilities of relevant stakeholders. <https://beechpower.eu/> HEALTHY FOREST REGIONS- interreg : The project tackles the CE-wide challenge of declining forest ecosystem functionality and the loss of biodiversity, resulting from unsustainable forest management practices, intensified by negative impacts from accelerating climate change, both affecting forest ecosystem services (ES) provision for human well-being and territorial resilience. Therefore, the project has the objective to create commitment of policy- and decision- makers and enable key stakeholders to safeguard forest ecosystem functionality, for enhancing biodiversity conservation and securing the provision of forest-based ES with further positive effects for sustainable regional development.

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

Sustainable Development
Synergies
State of Conservation
Management
Governance
Capacity Building

15. Assessment of the Periodic Reporting Exercise

15.1. Relevance of Periodic Reporting

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

The concept of Outstanding Universal Value
The property's Outstanding Universal Value
The concept of Integrity and/or Authenticity
The property's Integrity and/or Authenticity
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	Fair
Advisory Bodies (ICOMOS, IUCN, ICCROM)	Fair

15.2. Use of Data

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

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

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

15.3. Timing and resources

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

Governmental institutions responsible for cultural and natural heritage
Site Manager/Coordinator World Heritage property staff
Focal points of other international conventions/programmes
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

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

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

15.4. Format and content of the Periodic Report**15.4.1 - How accessible was the information required to complete this questionnaire?**

Most required information was accessible.

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

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

15.4.3 - Please provide suggestions for improvement of the Periodic Reporting questionnaire**15.5. Training and Guidance****15.5.1 - Please rate the level of support in terms of training and guidance from the following entities in completing this questionnaire**

UNESCO World Heritage Centre	Good
UNESCO (other sectors/field offices)	Not applicable
UNESCO National Commission	Good
ICOMOS International	Not applicable
IUCN International	No support
ICCROM international/regional	No support
ICOMOS national/regional	Not applicable
IUCN national/regional	No support

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

UNESCO World Heritage Centre	No support
State Party Representative (national Focal Point)	Good
UNESCO other sectors (e.g. field office)	Not applicable
National Commission for UNESCO	Good
ICOMOS International	Not applicable
ICCROM International/regional	Not applicable
ICOMOS national/regional	Not applicable
IUCN national/regional	Not applicable
IUCN International	No support

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

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

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

We are representing a component part with 94 components and 18 states parties. Therefore many answers can only give an average value while the spectrum of possible answers is much broader.

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