

## EXECUTIVE SUMMARY

## State Parties

Albania, Austria, Belgium, Bulgaria, Croatia, Italy, Poland, Romania, Slovenia, Spain, Ukraine

## State, Province or Region

The State, Province or Region of each component part is given in the table below.

## Name of Property

“Primeval Beech Forests of the Carpathians and Other Regions of Europe” (extension to the existing Natural World Heritage Site “Primeval Beech Forests of the Carpathians and the Ancient Beech Forests of Germany”, 1133bis).

## Geographical coordinates to the nearest second

The position of the component parts of this extension nomination is defined based on the center of the respective territory.

ID	Component part/cluster	Region/District	State Party	Coordinates of the central point	Area of the component part (ha)	Area of the Buffer zone (ha)
001	Lumi i gashit	Kukes, Tropojë district	Albania	N:42°28'53" E:20°3'26"	1,261.52	8,977.48
002	Rrajca	Elbasan, Librazhd district	Albania	N:41°12'11" E:20°30'2"	2,129.45	2,569.75
003	Dürrenstein	Province of Lower Austria	Austria	N:47°46'12" E:15°2'51"	1,867.45	1,545.05
004	Kalkalpen - Hintergebirge	Province of Upper Austria	Austria	N:47°44'58" E:14°28'56"	2,946.20	14,197.24
005	Kalkalpen - Bodinggraben	Province of Upper Austria	Austria	N:47°47'14" E:14°21'12"	890.89	
006	Kalkalpen - Urlach	Province of Upper Austria	Austria	N:47°48'15" E:14°14'22"	264.82	
007	Kalkalpen - Wilder Graben	Province of Upper Austria	Austria	N:47°49'60" E:14°26'1"	1,149.75	
008	Sonian Forest - Forest Reserve “Joseph Zwaenepoel”	Flanders	Belgium	N:50°45'23" E:4°24'60"	187.34	4,650.86
009	Sonian Forest – Grippensdelle A	Brussels Capital Region	Belgium	N:50°46'54" E:4°25'36"	24.11	
010	Sonian Forest - Grippensdelle B	Brussels Capital Region	Belgium	N:50°47'1" E:4°25'57"	37.38	
011	Sonian Forest - Réserve forestière du Ticton A	Wallonia	Belgium	N:50°44'3" E:4°26'13"	13.98	
012	Sonian Forest - Réserve forestière du Ticton B	Wallonia	Belgium	N:50°43'37" E:4°25'51"	6.50	
013	Central Balkan - Boatin Reserve	Lovech	Bulgaria	N:42°48'10" E:24°16'9"	1,226.88	851.22
014	Central Balkan - Tsarichina Reserve	Lovech	Bulgaria	N:42°46'32" E:24°24'18"	1,485.81	1,945.99

Overview names, geographical position and area size of the nominated components (coordinates to nearest second)

ID	Component part/cluster	Region/District	State Party	Coordinates of the central point	Area of the component part (ha)	Area of the Buffer zone (ha)
015	Central Balkan - Kozya stena Reserve	Lovech	Bulgaria	N:42°47'47" E:24°31'29"	644.43	289.82
016	Central Balkan - Steneto Reserve	Lovech, Plovdiv	Bulgaria	N:42°44'43" E:24°42'26"	2,466.10	1,762.01
017	Central Balkan - Stara reka Reserve	Plovdiv	Bulgaria	N:42°42'11" E:24°49'8"	591.20	1,480.04
018	Central Balkan - Dzhevdema Reserve	Plovdiv, Stara Zagora	Bulgaria	N:42°41'44" E:24°58'23"	1,774.12	2,576.63
019	Central Balkan - Severen Dzhevdem Reserve	Lovech	Bulgaria	N:42°44'44" E:24°56'5"	926.37	1,066.47
020	Central Balkan - Peeshti skali Reserve	Lovech, Gabrovo	Bulgaria	N:42°45'54" E:25°4'29"	1,049.10	968.14
021	Central Balkan - Sokolna Reserve	Stara Zagora	Bulgaria	N:42°41'52" E:25°8'18"	824.90	780.55
022	Hajdučki i Rožanski kukovi	Ličko-Senjska County, Velebit Mountain	Croatia	N:44°45'59" E:15°0'39"	1,289.11	9,869.25
023	Paklenica National Park - Suva draga-Klimenta	Dinaric region, or Dinaric Alpes	Croatia	N:44°20'26" E:15°30'1"	1,241.04	414.76
024	Paklenica National Park - Ogulinovac-Javornik	Dinaric region, or Dinaric Alpes	Croatia	N:44°23'4" E:15°26'59"	790.74	395.35
025	Abruzzo, Lazio & Molise - Valle Cervara	Region Abruzzo – Province of L'Aquila	Italy	N:41°49'56" E:13°43'43"	119.70	751.61
026	Abruzzo, Lazio & Molise - Selva Morigento	Region Abruzzo – Province of L'Aquila	Italy	N:41°50'49" E:13°42'20"	192.70	
027	Abruzzo, Lazio & Molise - Coppo del Morto	Region Abruzzo – Province of L'Aquila	Italy	N:41°51'37" E:13°50'48"	104.71	415.51
028	Abruzzo, Lazio & Molise - Coppo del Principe	Region Abruzzo – Province of L'Aquila	Italy	N:41°47'15" E:13°44'39"	194.49	446.62
029	Abruzzo, Lazio & Molise - Val Fondillo	Region Abruzzo – Province of L'Aquila	Italy	N:41°45'15" E:13°53'9"	325.03	700.95
030	Cozzo Ferriero	Region Basilicata – Province of Potenza	Italy	N:39°54'21" E:16°6'4"	95.74	482.61
031	Foresta Umbra	Region Puglia – Province of Foggia	Italy	N:41°48'27" E:15°58'40"	182.23	1,752.54
032	Monte Cimino	Region Lazio – Province of Viterbo	Italy	N:42°24'31" E:12°12'11"	57.54	87.96
033	Monte Raschio	Region Lazio – Province of Viterbo	Italy	N:42°10'25" E:12°9'40"	73.73	54.75
034	Sasso Fratino	Region Emilia-Romagna – Province of Forlì-Cesena  Region Toscana – Province of Arezzo	Italy	N:43°50'40" E:11°48'11"	781.43	6,936.64

ID	Component part/cluster	Region/District	State Party	Coordinates of the central point	Area of the component part (ha)	Area of the Buffer zone (ha)
035	Bieszczady - Border Ridge and Upper Solinka Valley	Podkarpackie Voivodeship	Poland	N:49°5'58" E:22°33'23"	1,482.18	24,564.46
036	Bieszczady - Polonia Wetlińska and Smerek	Podkarpackie Voivodeship	Poland	N:49°11'26" E:22°30'50"	1,049.53	
037	Bieszczady - Stream Terebowiec valley	Podkarpackie Voivodeship	Poland	N:49°5'37" E:22°43'29"	200.99	
038	Bieszczady - Stream Wolosatka valley	Podkarpackie Voivodeship	Poland	N:49°4'3" E:22°44'42"	574.33	
039	Cheile Nerei-Beușnița	Caraș Severin County	Romania	N:44°54'19" E:21°48'40"	4,292.27	5,959.87
040	Codrul secular Șinca	Brașov County	Romania	N:45°40'0" E:25°10'14"	338.24	445.76
041	Codrul Secular Slătioara	Suceava County	Romania	N:47°26'36" E:25°37'39"	609.12	429.43
042	Cozia - Masivul Cozia	Vâlcea County	Romania	N:45°19'54" E:24°19'32"	2,285.86	2,408.83
043	Cozia - Lotrisor	Vâlcea County	Romania	N:45°17'43" E:24°15'33"	1,103.30	
044	Domogled - Valea Cernei - Domogled-Coronini-Bedina	Caraș Severin County	Romania	N:44°56'31" E:22°28'7"	5,110.63	51,461.28
045	Domogled - Valea Cernei - Iaua Craiovei	Caraș Severin County and Mehedinți County	Romania	N:45°6'31" E:22°34'41"	3,517.36	
046	Domogled - Valea Cernei - Ciucevele Cernei	Caraș Severin County and Gorj County	Romania	N:45°14'40" E:22°49'23"	1,104.27	
047	Groșii Țibleșului - Izvorul Șurii	Maramureș County	Romania	N:47°32'59" E:24°11'9"	210.55	563.57
048	Groșii Țibleșului - Preluci	Maramureș County	Romania	N:47°32'5" E:24°13'13"	135.82	
049	Izvoarele Nerei	Caraș Severin County	Romania	N:45°7'21" E:22°3'59"	4,677.21	2,494.83
050	Strîmbu Băiuț	Maramureș County	Romania	N:47°37'33" E:24°4'23"	598.14	713.09
051	Krokar	Municipality Kočevje	Slovenia	N:45°32'31" E:14°46'8"	74.50	47.90
052	Snežnik-Ždrcle	Municipality Ilirska Bistrica and Municipality Loška dolina	Slovenia	N:45°35'5" E:14°27'19"	720.24	128.80
053	Hayedos de Ayllón - Tejera Negra	Autonomous Community of Castilla-La Mancha	Spain	N:41°14'43" W:3°23'19"	255.52	13,880.86
054	Hayedos de Ayllón - Montejo	Province of Guadalajara, region of Castilla la Mancha	Spain	N:41°6'44" W:3°29'58"	71.79	
055	Hayedos de Navarra - Lizardoia	Autonomous Community of Navarra	Spain	N:43°0'23" W:1°6'46"	63.97	24,494.52
056	Hayedos de Navarra - Aztaparreta	Autonomous Community of Navarra	Spain	N:42°54'39" W:0°48'58"	171.06	

ID	Component part/cluster	Region/District	State Party	Coordinates of the central point	Area of the component part (ha)	Area of the Buffer zone (ha)
057	Hayedos de Picos de Europa - Cuesta Fría	Autonomous Community of Castilla y León	Spain	N:43°10'21" W:4°59'16"	213.65	14,253.00
058	Hayedos de Picos de Europa - Canal de Asotín	Autonomous Community of Castilla y León	Spain	N:43°10'16" W:4°53'21"	109.58	
059	Gorgany	Ivano-Frankivsk region, Nadvirna district	Ukraine	N:48°28'19" E:24°17'58"	753.48	4,637.59
060	Roztochya	Lviv region	Ukraine	N:49°57'44" E:23°38'58"	384.81	598.21
061	Satanivska Dacha	Khmelnyska region, Horodok district	Ukraine	N:49°10'26" E:26°14'56"	212.01	559.37
062	Synevyr - Darvaika	Zakarpattia region, Mizhgirja district	Ukraine	N:48°29'14" E:23°44'56"	1,588.46	312.32
063	Synevyr - Kvasovets	Zakarpattia region, Mizhgirja district	Ukraine	N:48°23'6" E:23°42'46"	561.62	333.63
064	Synevyr - Strymba	Zakarpattia region, Mizhgirja district	Ukraine	N:48°27'11" E:23°47'48"	260.65	191.14
065	Synevyr - Vilshany	Zakarpattia region, Mizhgirja district	Ukraine	N:48°21'20" E:23°39'36"	454.31	253.85
066	Zacharovanyi Krai - Irshavka	Zakarpattia region, Irshava district	Ukraine	N:48°27'9" E:23°5'23"	93.97	1,275.44
067	Zacharovanyi Krai - Velykyi Dil	Zakarpattia region, Irshava district	Ukraine	N:48°25'21" E:23°9'42"	1,164.16	
<b>TOTAL</b>					<b>61,660.07</b>	<b>215,977.55</b>

### Textual description of the boundaries of the nominated property

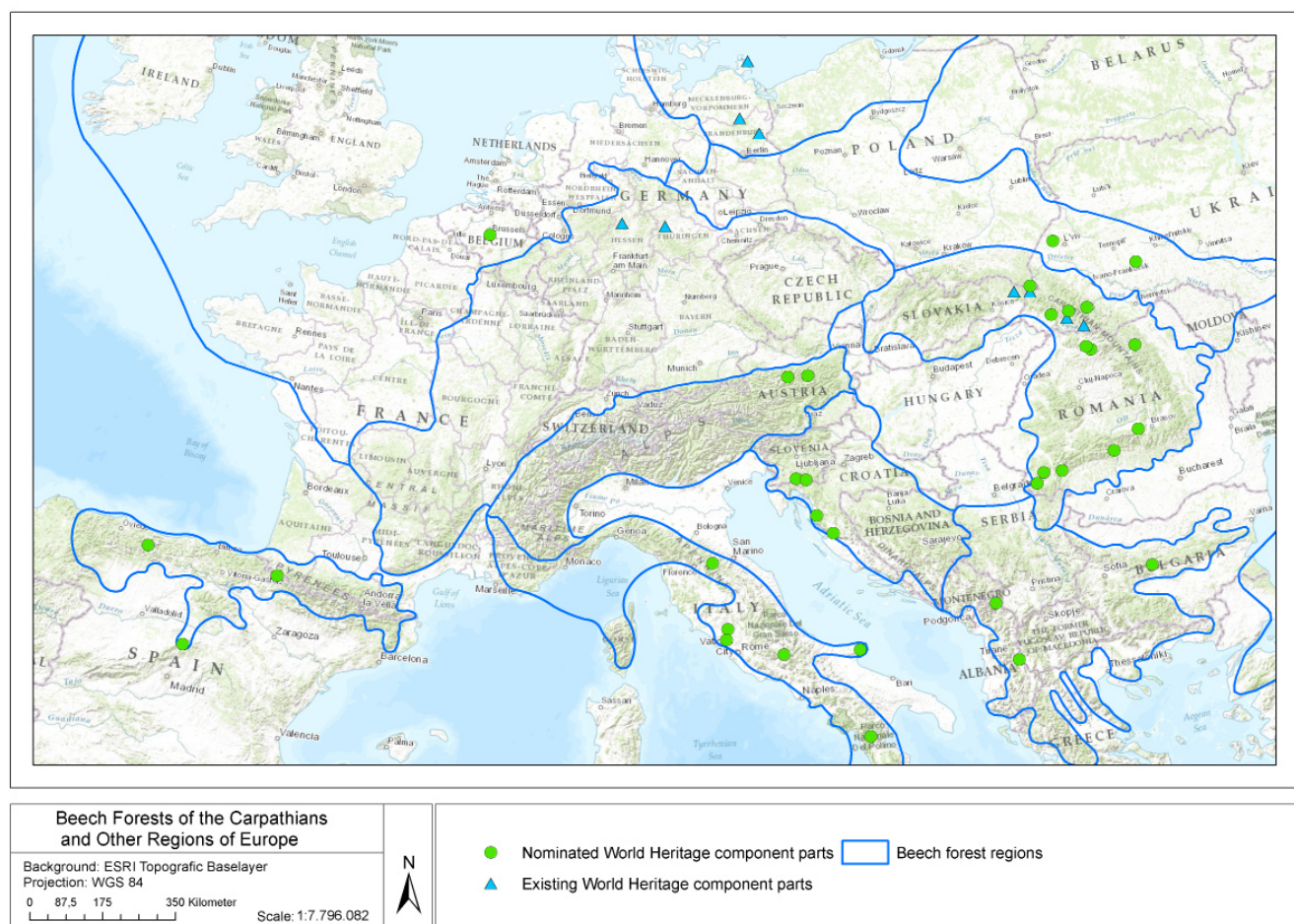
With the selected 67 component parts, the beech forests with the highest integrity in 33 protected areas, were included in the nomination as component parts of the serial property. The individual demarcations of the component parts have been chosen so as to guarantee outstanding universal value, maximum integrity, and coherent, sufficiently sized forests.

The selected boundaries reflect the ecological situation (location of primeval beech forest without human forest management), the spatial responsibility of the management organization in place (National Park, Strict Forest Reserve), local and regional stakeholders (landowners, neighbouring communities, responsible authorities and ministries) and legal constraints (status of strict protection has to be guaranteed).

Existing primeval forest relics of the protected areas have been included. Additional protection and ecological exchange is ensured by wooded buffer zones. All selected buffer zones are located within the borders of the protected areas and are therefore managed by the same institutions as the component parts. This ensures sufficient long term protection for the component parts, as well as for their buffer zones.

### Map of the nominated property, showing boundaries and buffer zones

Please find detailed maps of all component parts and their buffer zones in chapter 2 and in annex 1.e.



Overview of the  
existing and  
new nominated  
World Heritage  
component  
parts

### Criteria under which property is nominated

Inscription on the World Heritage List is proposed under criterion ix:

“Outstanding examples representing significant ongoing ecological and biological processes in the evolution and development of terrestrial, fresh water, coastal and marine ecosystems and communities of plants and animals.” The serial nomination “Primeval Beech Forests of the Carpathians and Other Regions of Europe” comprises outstanding examples of the evolutionary and developmental processes of beech forests since the last glacial period, giving rise to a terrestrial ecosystem that has shaped an entire continent in a globally unique manner. In addition to the “Primeval Beech Forests of the Carpathians and Ancient Beech Forests of Germany”, the newly nominated beech forests in 67 component parts in 11 countries will enhance the existing World Heritage property to give an overall and comprehensive picture of the European postglacial development process of beech forest. With this extension, all glacial refuge areas and genotypes of beech are covered. The basic line of arguments in the nomination of the existing property remains mainly unchanged.

### Draft Statement of Outstanding Universal Value

#### Brief synthesis

The “Primeval Beech Forests of the Carpathians and Other Regions of Europe” are a serial property comprising 82 component parts in total. They represent an outstanding example of anthropogenically undisturbed, complex temperate forests and exhibit the most complete and comprehensive ecological patterns and processes of pure and mixed stands of European beech across a variety of environmental conditions. They contain an invaluable genetic reservoir of beech and many species associated and dependent on these forest habitats.



### Justification for Criteria

The “Primeval Beech Forests of the Carpathians and Other Regions of Europe” are indispensable to understand 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 undisturbed, complex temperate forests exhibit the most complete and comprehensive ecological patterns and processes of pure and mixed stands of European beech across a variety of environmental conditions, such as climatic and geological conditions, throughout all relevant European Beech Forest Regions. They comprise all altitudinal zones from the coast up to the forest line in the mountains and, furthermore, include the best remaining examples of the outer boundaries of the European beech forest range. Beech is one of the most important elements of forests in the Temperate Broadleaf Forest Biome and represents an outstanding example of the recolonization 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 steppingstones spanning the continent. More recent changes in the distribution pattern of this species relate to direct influences of human disturbance and the more complex effects of anthropogenically induced climate change. Both historic and present serial patterns of distribution represent natural evolutionary strategies for adapting and surviving environmental change. The dominance of beech across extensive areas of Europe is a living testimony of the tree’s genetic adaptability.

### Statement of Integrity

The selected beech forest sites not only represent the full serial diversity found across Europe, they are also of sufficient size to maintain natural processes necessary for the long-term ecological viability of the wider ecosystem. Buffer zones including surrounding protected areas (nature parks, biosphere reserves) are managed sympathetically to ensure the long-term conservation of the particular character of the designated beech forests together with its inherent attributes. Next to criteria such as the extent of the forest area and the presence of an effective buffer zone, key characteristics which were also used in the site selection process included the average age of the forest stand and the period elapsed since it was last managed or actively disturbed. The evaluation criteria used in the selection process helped to describe the degree of naturalness of a forest, but also provide some indication of the inherent functional capacity of the ecosystem. Finally, where appropriate, special emphasis was given to connectivity between beech forests and the surrounding complementary habitats as a perceived prerequisite for ecosystem functioning and adaptation to environmental change.

### Statement of authenticity for properties nominated under criteria (i) to (vi)

Not relevant as this property is nominated under criterion (ix).

### Requirements for protection and management

Long-term protection and management is ensured through national legal protection such as national parks, core areas of biosphere reserves or other types of protected areas. Effective implementation of an integrated management plan and a multilateral integrated management system is required to guide the planning and management of this serial property. Key management issues include forest fire control and conservation of monumental old trees, conservation and management of mountain meadows, river corridors and freshwater ecosystems, tourism management, research and monitoring. Cooperative management agreements with local groups and tourism agencies can enhance the achievement of management goals and ensure local community engagement in the component parts.

### Name and contact information of official local institution/agency

Name and contact information of the coordinators of the extension nomination “Beech Forests of the Carpathians and Other Regions in Europe”:

- Austrian Federal Ministry of Agriculture, Forestry, Environment and Water Management  
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