



Карпатський біосферний заповідник Carpathian Biosphere Reserve



Date of establishment: November 12, 1968

Biosphere reserve status: November 23, 1993

Managing authority: Ministry of ecology and natural resources of Ukraine

European Diploma for PAs: 1997, 2002, 2007

UNESCO World Natural Heritage designation:
June 28, 2007



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Ukrainian-Slovak serial UNESCO World Natural Heritage Property «Primeval Beech Forests of the Carpathians»

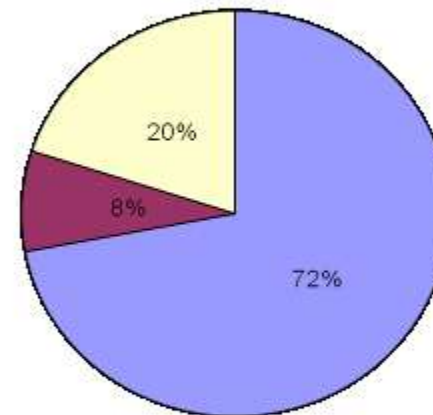
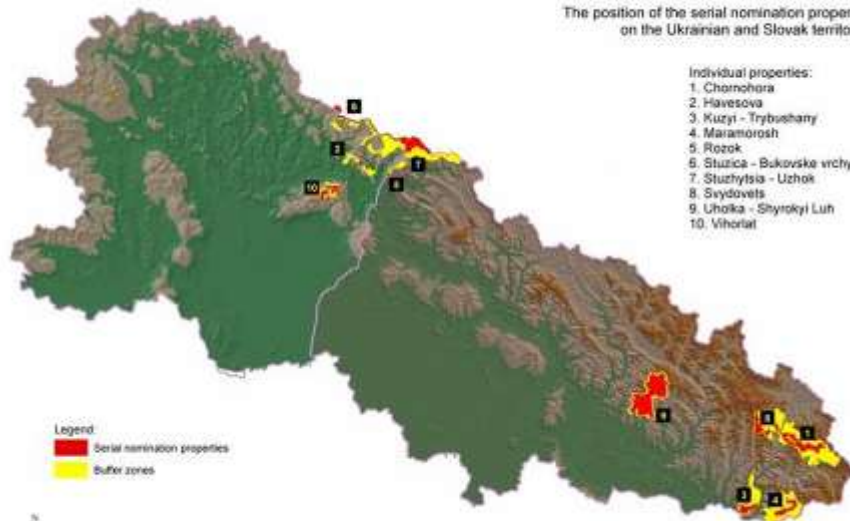
Covers the surface of 29278,9 ha (48692,69 ha – buffer zone) and is composed of 10 clusters, 6 of which are located in Ukraine and 4 – in Slovak Republic.

The Ukrainian part of made up of CBR massifs (5 of the clusters) with total surface 20980,5 ha, and 1 cluster 2532,0 ha

BEECH PRIMEVAL FORESTS OF THE CARPATHIANS

The position of the serial nomination properties
on the Ukrainian and Slovak territories

- Individual properties:
1. Chornohora
 2. Havesova
 3. Kuzyi - Trybushany
 4. Maramorosh
 5. Rozok
 6. Sluzica - Bukovske vrchy
 7. Sluzhytsia - Uzhok
 8. Sydovets
 9. Uholka - Shyrokyi Luh
 10. Vihorlat



- Карпатський біосферний заповідник
- Ужанський національний природний парк
- Словацька частина



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Area: 58.035,8 ha, 39.485,8 ha of which are directly managed by CBR, and 18.550 ha are managed by other landusers

Territorial structure: 9 isolated massifs

Location: southern macroslope of the main Ukrainian Carpathians watershed

Functional zoning:

Core area (A) – 29,6 %;

Buffer zone (B) – 29,7 %;

Traditional nature use (C) – 35,1 %;

Regulated protection – 5,6 %

Staff: 272 employees: 122 rangers, 25 scientists, 11 specialists on ecological education, 5 specialists on ecotourism and recreation, the rest are working for subsidiary services



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BIODIVERSITY

Flora: 3029 species (1359 high vascular plant species), 183 of which are rare and listed to the Red Book of Ukraine, and 42 of them – to the international conservation lists

Fauna: 4813 species (306 vertebrate species), 232 of which are rare ones listed to the Red Book of Ukraine and to the international conservation lists, including 5 strictly endemic species of invertebrates known only from CBR

Vegetation: around 400 vegetation associations, 102 of which are listed to the Green Book of Ukraine

Endangered habitat types: 23



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OTHER NATURAL VALUES:

- European biggest primeval forests: beech, mixed and spruce;
- Practically undisturbed alpine landscapes of the Ukrainian Carpathians – subalpine and alpine meadows, crooked woodland;
- Significant viable populations of large carnivores (lynx, wolf, brown bear);
- Ukrainian greatest bats colonies;
- Highland lakes with unique biota;
- Crystal clear mountain streams with water that could serve as a reference model;
- Largest lowland population of a montane narcissus species *Narcissus angustifolium* ;
- Karst limestone caves with endemic troglobiont species;
- Limestone cliffs with rare calcifilous flora





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SCIENTIFIC RESEARCH AND INTERNATIONAL COOPERATION

Chronicles of nature is the basic scientific topic for reserves and nature parks of Ukraine, as well as the main form of generalization of research outcomes. This is actually the program of overall ecological monitoring.

CBR has a significant scientific basis: 47 scientific plots, 22 phenological plot, 46 phenological trails, 7 weather stations, 6 hydrological stations, a network of inventory plots and trails

An important element of CBR's scientific activity is organizing international conferences and workshops, and participation in international projects. 17 scientific forums of this kind were organized and held by CBR within the last 20 years, 14 of which were international events; dozen of scientific and conservation international projects were implemented by the reserve.





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INTERNATIONAL SCIENTIFIC CONFERENCES

- “International aspects of biodiversity research and protection”, September 25–27, 1997
- “Carpathian region and problems of sustainable development”, dedicated to CBR 30th anniversary, October 13-15, 1998
- “Ecological and social-economic aspects of catastrophic natural phenomena in the Carpathian region (floods, landslides)”, September 21-24, 1999
- “State and perspectives of bat researches in the Carpathians on the verge of millenniums», August 24–27, 2000
- “Mountains and people (in the context of sustainable development)”, dedicated to the International Year of Mountains, October 14-18, 2002
- “Natural forests of the temperate zone of Europe – Values and utilization”, October 12-17, 2003
- “Optimization of boundaries and improvement of CBR activity”, May 10-12, 2004
- “Ecological and socio-economical aspects of ethnic-cultural and historical heritage conservation in the Carpathians”, September 2–4, 2005.
- “Problems of sustainable nature use in the Carpathian region (ecology, education, business), May 10-11, 2006
- “Ecotourism and sustainable development in the Carpathians”, October 9–12, 2007
- “Protected area system development in Ukraine and formation of the Pan-European ecological network”, dedicated to CBR’s 40th anniversary and 100 years since designation of the first protected area in the Ukrainian Carpathians, November 11-13, 2008



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PARTICIPATION IN INTERNATIONAL CONSERVATION PROJECTS

- GEF project “Biodiversity conservation at the Carpathian Biosphere Reserve (1994-1997)
- Project funded by the Carpathian Fund and the Renaissance Fund “Securing preconditions for ecologically-based social and economical development of mountainous Rakhiv district” (1994-1996);
- Ukrainian-Swiss projects FORZA – Forests of Transcarpathia (2004-2010) and "Institutional Cooperation" (2005-2011);
- Ukrainian-Dutch project “Transcarpathian forest inventory” (2006-2008);
- EU project within transboundary cooperation program “Improvement of anti-flood protection and securing healthy natural environment within the Ukrainian-Romanian border area along the Tysa river” (2008-2010)
- DBU project «Strategic management planning at the Carpathian Biosphere Reserve with regard of the transboundary aspect» (2009-2010)



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USE OF THE PROTECTED AREA FOR ECOLOGICAL EDUCATION

Ecological education and awareness is one of priority tasks for CBR

Main forms and fiends of activity:

- Ukrainian tent camp “Eukos” for youth;
- Student experience exchange for students from national and international establishments;
- Museum of mountain ecology and traditional nature use in the Ukrainian Carpathians
- Museum of Narcissus;
- Visitor center “In the geographic center of Europe”
- All-Ukrainian journal “Green Carpathians”;
- Regional newspaper “CBR Newsletter”;
- CBR website;
- Video studio producing a number of films and clips
- A wide range of publications and promotion materials
- Cooperation with mass media.





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TOURISM AND RECREATION

There are well developed visitor facilities within CBR:

Part of the Transcarpathian Hiking Trail, marked and equipped with facilities;

24 ecotourism trails;

Network of visitor centers;

5 highland ecological stations;

Small hotels;

Permanent camping sites with neces

Rest stations.





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SUPPORTING THE SUSTAINABLE DEVELOPMENT

There are 20 settlements within CBR scope with over 100 000 residents. The reserve's administration has established good cooperation with them.

Around 10 000 of sheep and 1500 cows are pastured at CBR annually. It is an important component of local economy.

People dwelling at the border with the reserve are supplied with firewood, hayfields, are permitted to gather berries and mushrooms.





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CBR promotes the cultural heritage in particular through support to numerous ethnic festivals



The Decree of the Cabinet of Ministers of Ukraine “About the state support of the complex ecological, economical and social development of Rakhiv district” was elaborated and lobbied by CBR. This document is aimed at providing the economical development in the region based in particular on elimination of negative pressure on the environment, interdiction of renewable and nature friendly technologies and balanced use of local natural resources (forest, water, land etc.).

A photograph of a cave entrance in a forest. The cave is a dark, arched opening in a light-colored rock face. The ground in front of the cave is covered with brown, fallen leaves and some small green plants. A large tree trunk is visible on the right side of the frame. The text "Thank you for attention!" is overlaid in white, sans-serif font across the middle of the image.

Thank you for attention!