The international contest Young People in European Forests 2016

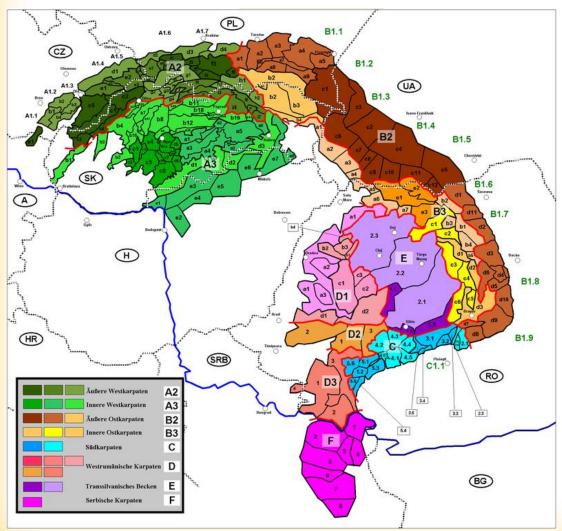
Forests in Poland and Europe. Characteristics and management. European Bison as a symbol of the Carpatian forests:

# The return of the European Bison to the Bieszczady Mountains

SPECIES RESTITUTION OF THE **EUROPEAN BISON** (*BISON BONASUS*)
TO THE BIESZCZADY MOUNTAINS, POLAND

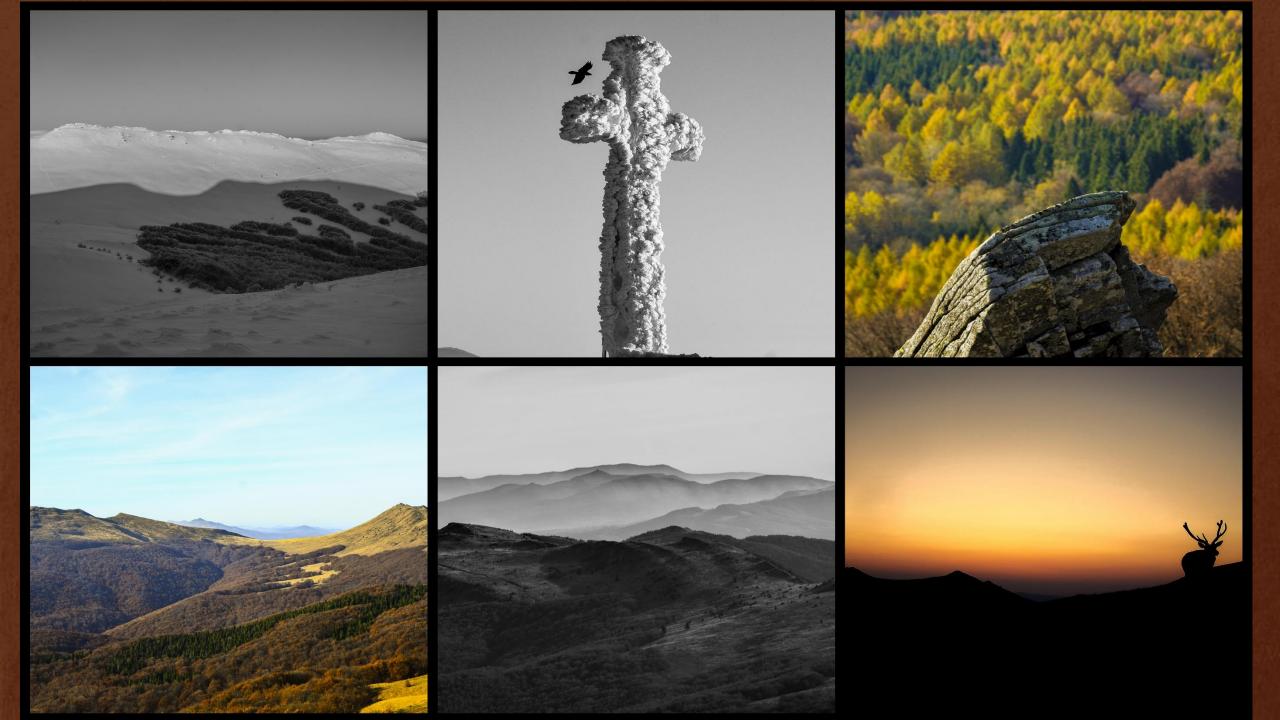
Let's start from the beginning...

#### **Bieszczady Mountains**

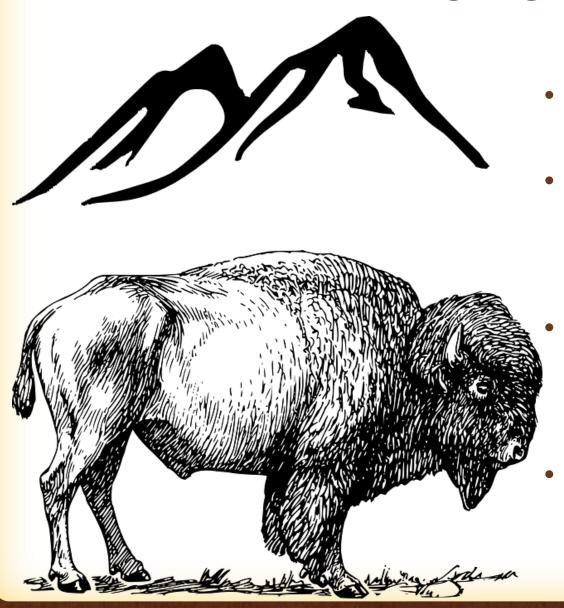


The Bieszczady is a a mountain range of medium height, situated in the south-east of Poland, on it's borders with Slovakia and Ukraine. This is the only part of Eastern Carpathians within the borders of Poland. The natural environments of the mountains has many features such as: vast Carpathian forest with abundant animal life, "poloninas" (mountain pastures) stretching above the upper forest line with Alpine plant species.

The highest peak of the Bieszczady is **Mt.Pikuy** (1405 m) in Ukraine. The highest peak of the Polish part is **Tarnica** (1346 m).



#### What is going on with the wisent?



• Wisents are the largest living mammals in Europe, since the extinction of mammoths.

• In countries of eastern Europe, where for more than 50 years a successful restitution of this species has been carried out, wisent is the symbol of nature conservation.

The reason for this is that saving the animal from extinction is considered to be the most important achievement of man in the field of protection of endangered species.

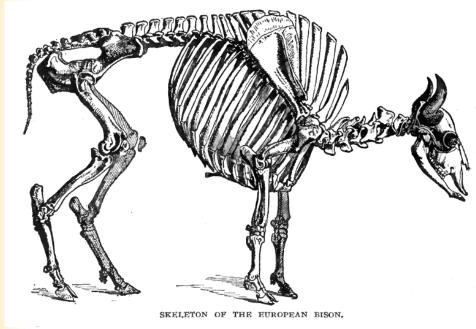
• Today, wisent is a unique and the most characteristic species of the Bieszczady fauna.

### HISTORY OF THE WISENT

'It seems that this animal never will come out of the wild state: because all attempts to appease it and use its strengh for the benefit of man failed so far. In Medieval Ages, a hunt for wisents was the main amusement of illustrious men; today, their extirpated generation takes rest after the long persecution. What will be their future destination nobody knows; but probably they do not remain useless because the Creator, who had not thrown even the smallest creature upon the Earth without a purpose, has drawn without any doubts a domain of usefulness also for this animal, granted with such strength and long life.'



FROM THE TEXT 'ABOUT WISENT' TAKEN FROM THE POLISH JOURNAL ,PATTERNS OF PROSE' FROM 1869



European bison's skeleton Richard Lydekker - Royal Natural History Volume 2 (Available on www.archive.org)

- •European bisons in the **Białowieża Forest** were legally the property of the Polish kings until the third partition of Poland. Wild European bison herds also existed in the forest until the mid-17th century.
- •Polish kings took measures to protect the bison. King **Sigismund II Augustus** introduced the death penalty for poaching European bison in **Białowieża** in the mid-16th century.
- •In the early 19th century Russian czars retained old Polish laws protecting the European bison herds in **Białowieża**. Despite these and other measures, the European bison population continued to decline over the following century, with only **Białowieża** and **Northern Caucasus** populations surviving into the 20th century.

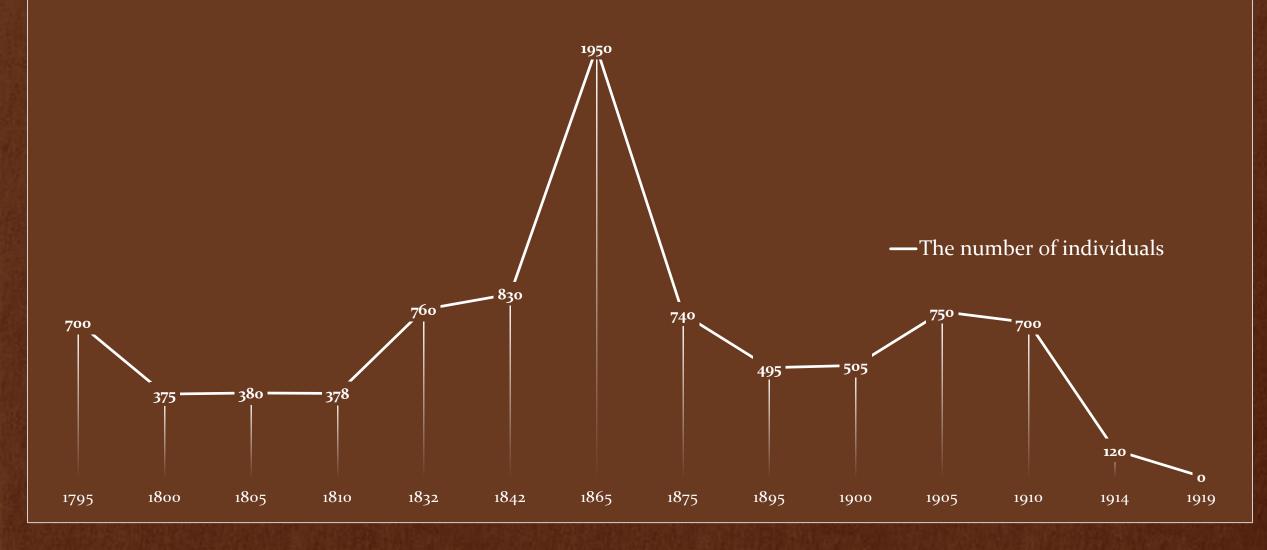


Bison in the Białowieża Forest, 1955, fot. Jan Jerzy Karpiński

- •During World War I, occupying German troops killed 600 of European bisons in the Białowieża Forest for sport, meat, hides, and horns. A German scientist informed the army officers that the animal was facing imminent extinction. However, at the very end of the war retreating German soldiers shot all but nine animals.
- •The last wild European bison in Poland was killed in 1921. The last wild European bison in the world was killed by poachers in 1927 in the western Caucasus. By that year, fewer than 50 bisons remained, all held in zoos.

# The population of European Bison (Bison bonasus) in Poland (1795-1919)

(approximate value, based on available statistics)



### RESTITUTION

Until the 6o's of XXth century, Białowieża was the only place in the whole Europe where a free ranging herd of wisents still existed. In the Carpathians, there already had been no wisents for about 150 years. Breeding centres and ZOOs often maintained both genetic lines: lowland (*Białowieża line*) and the mixed one lowland-Caucasian.



First wisent in the show enclosure in Muczne Fot. Archive of Stuposiany Forest District

#### WISENT'S RETURN TO BIESZCZADY

#### **EASTERN BIESZCZADY BISON POPULATION:**

1963 – Import of 7 wisents to Stuposiany Forest District.

1964 - Setting free all the bisons. They were the beginning of the Eastern Bieszczady

bison population

### WESTERN BIESZCZADY BISON POPULATION

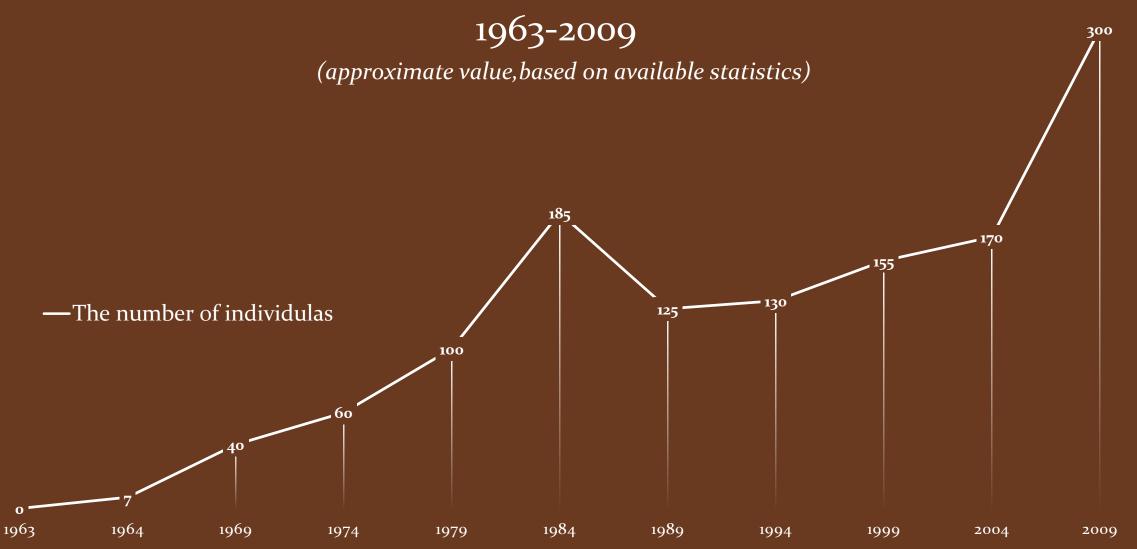
1976-Import of 6 wisents to Komańcza Forest District.

1980-Setting the bisons free after a 4year-acclimatization. The beginning of the Eastern Bieszczady bison population



The release of wisents at Stuposiany in 1964 fot. Achive of M.Hławiczka

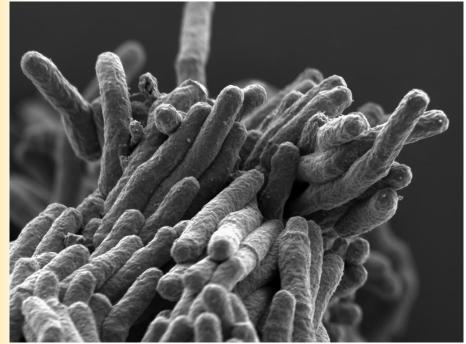
# The population of European Bison (*Bison bonasus*) in Bieszczady after the restitution



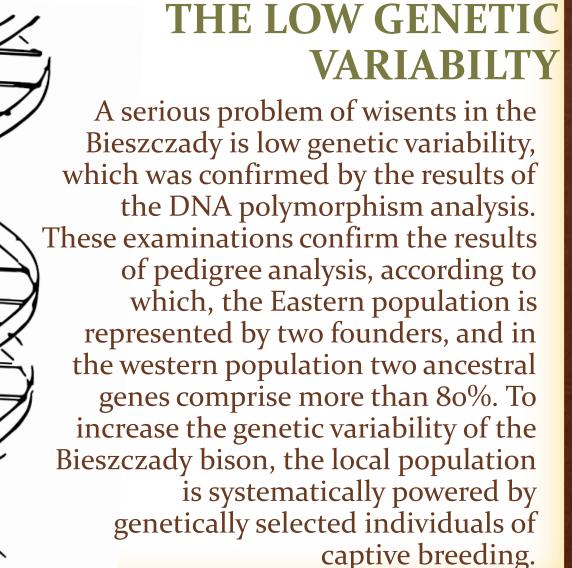
### WISENTS' IN BIESZCZADY- MAIN PROBLEMS

**TUBERCULOSIS** 

The biggest threat to the Bieszczady bison is tuberculosis. For the first time it was found in 1996.



Mycobacterium bovis







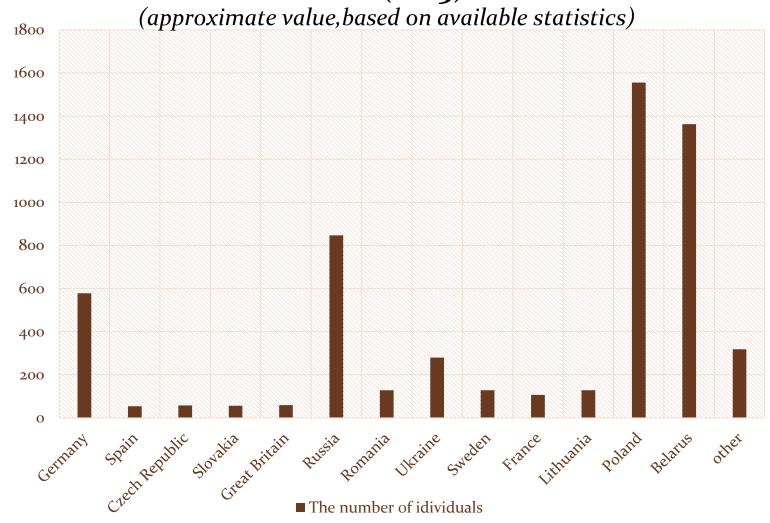
# SHOW ENCLOSURE IN MUCZNE, STUPOSIANY FOREST DISTRICT



#### **SUMMARY**:

- After the First World War, European bison was almost extinct.
- Thanks to the efforts of scientists and a few individuals who survived, it was possible to restore the bison population in Europe.
- • Currently, the world population of European bison is **5553**, **5536** of which are in Europe and Asia (in Poland-**1566**).
- Saved by Polish naturalists, the animal is gradually being reintroduced in other countries. In the past, Poland exported bison to France, Germany, the Netherlands, the Czech Republic and Hungary.

### European Bison (*Bison bonasus*) in Europe and Asia (2015)





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Pictures by **Maciej Skuza** (participant of the contest)

The data presented in charts are approximate and interpreted by the participants / authors on the basis of generally available sources in the above-mentioned publications.

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Liceum Ogólnokształcące im. Józefa Piłsudskiego w Ustrzykach Dolnych