

Dear Sir/Madame,

We would like to ask you to fill in the questionnaire, which has been worked out by the University of Warsaw and the Institute of Transport Economics, Oslo. It would take you some 20 minutes.

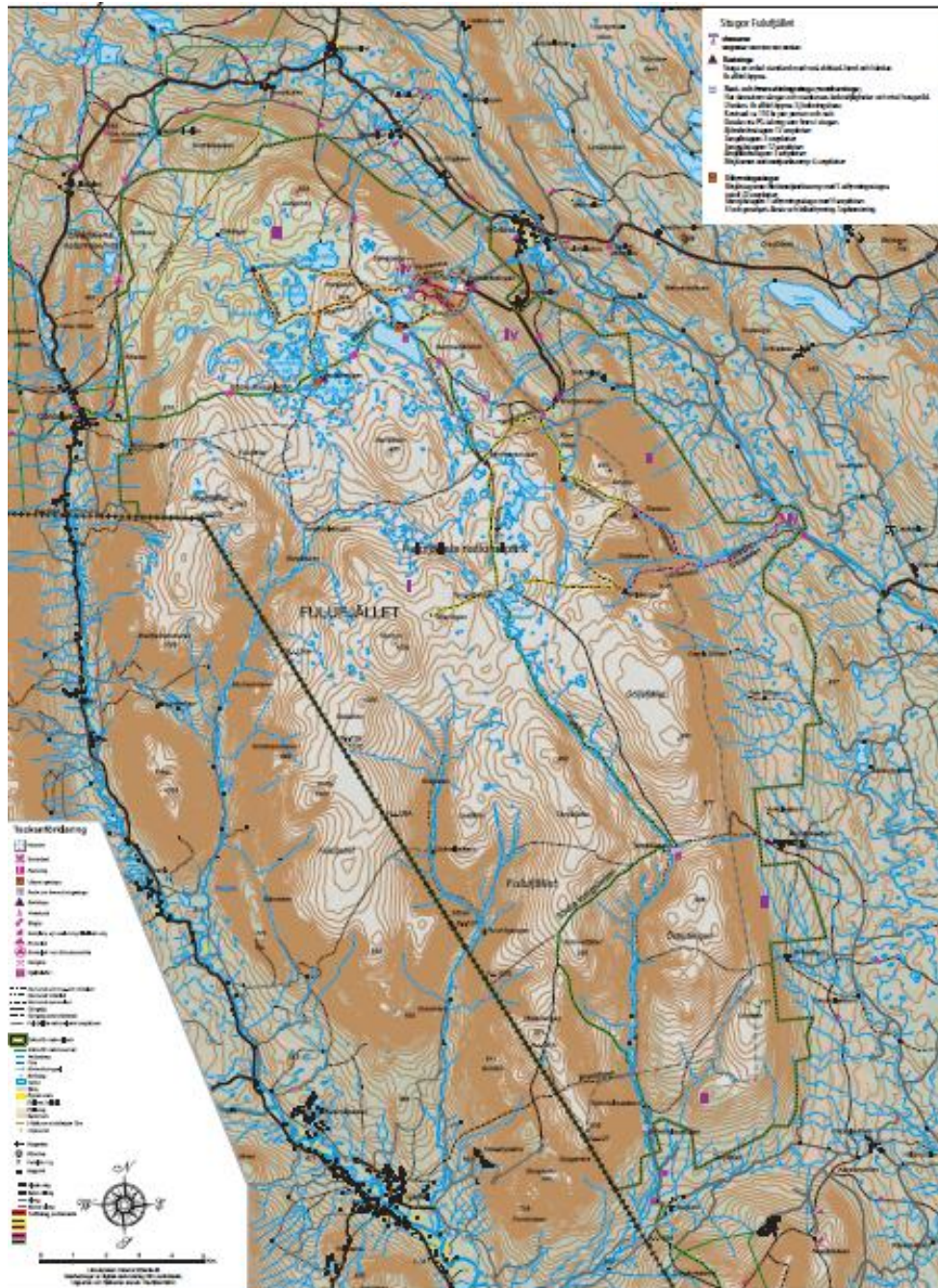
The questionnaire is the part of research dedicated to surveying of Swedish and Norwegian citizens concerning the management of Scandinavian nature. Your answers will be important for those who make decisions about these nature areas.

When answering the questions, please remember that we are interested in your personal opinions, not opinions expressed in the name of third persons or on behalf of the society as a whole. There is no "correct" or "wrong" answer. Your opinion counts and every kind of opinion is valuable for us. Your answers will be handled confidentially. The collected information will be analysed statistically and reported in terms of averages and deviations. Thus, no individual person can be identified from our reports. Our project is supported by the Polish-Norwegian Research Programme.

2. How often have you visited forests and mountain areas during the recent 12 months?

	Forests	Mountain areas
More often than 3 times a week	<input type="checkbox"/>	<input type="checkbox"/>
1-2 times a week	<input type="checkbox"/>	<input type="checkbox"/>
1-3 times a month	<input type="checkbox"/>	<input type="checkbox"/>
Less than once a month	<input type="checkbox"/>	<input type="checkbox"/>
Never	<input type="checkbox"/>	<input type="checkbox"/>

Fulufjället/Fulufjellet is a mountain area on the Swedish-Norwegian border, in the municipalities of Älvdalen / Malung-Sälen (Dalarna, SE) and Trysil (Hedmark, NO). Naked rock with lichen, grassland, bog, mountain birch areas, and coniferous forest areas in the surrounding valleys cover altogether about 600 km<sup>2</sup>, 400 km<sup>2</sup> on the Swedish side and 200 km<sup>2</sup> on the Norwegian side. About 80% of Fulufjället/Fulufjellet is protected as national park, 385 km<sup>2</sup> on the Swedish side and 83 km<sup>2</sup> on the Norwegian side. See the map below.



MAP Fulufjället/Fulufjellet (source: Hans Sjögren)

QUESTION ABOUT VISITS TO FULUFJÄLLET/FULUFJELLET [HERE?](#)

Humans have used the nature in Fulufjället/Fulufjellet for centuries, primarily for hunting-gathering and fishing, in later times also for timber harvesting and outdoor recreation. However, large part of the Fulufjället/Fulufjellet area is little influenced by human activities, with old-growth forest hosting rare and endangered plants, fungi, lichen, as well as bird species (see photo below). A large, coherent protected area is particularly important for larger mammal species that need large habitats.

PHOTO – old-growth alpine forest – Fulufjället/Fulufjellet

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Old-growth alpine forest – Fulufjället/Fulufjellet (WE WILL FIND NEW PHOTO)

The larger is the protected nature area of Fulufjället/Fulufjellet, the better preserved are the natural processes and species in it. Splitting of nature habitats with human-induced barriers (buildings, infrastructure, etc.) disturb its structure, and might decrease ecological values and reduce chances for conservation of the natural heritage.



WE CAN MAKE NEW MAP, IF NEEDED

QUESTION ABOUT NATURE / HABITATS ???

Establishing or extending areas under strict conservation, in so-called **undisturbed zones**, is the best way to preserve Fulufjället/Fulufjellet in its natural state. **Undisturbed zones** imply leaving nature develop without human intervention into the natural processes. For called **undisturbed zones** within a national park, a permit would be required for entering, normally only in small, guided groups; and there would be no logging, nor hunting, fishing and picking of berries and mushrooms; and no motor vehicle would enter or fly over the area. Nor would there be any control of bark beetles or deceases affecting plants or animals, only large forest fires would be considered stopped by human intervention.

On the Swedish side of Fulufjället/Fulufjellet national park, 60% of the park is currently under a **passive conservation** regime, yet 0% of the park on the Norwegian part. See figure below.

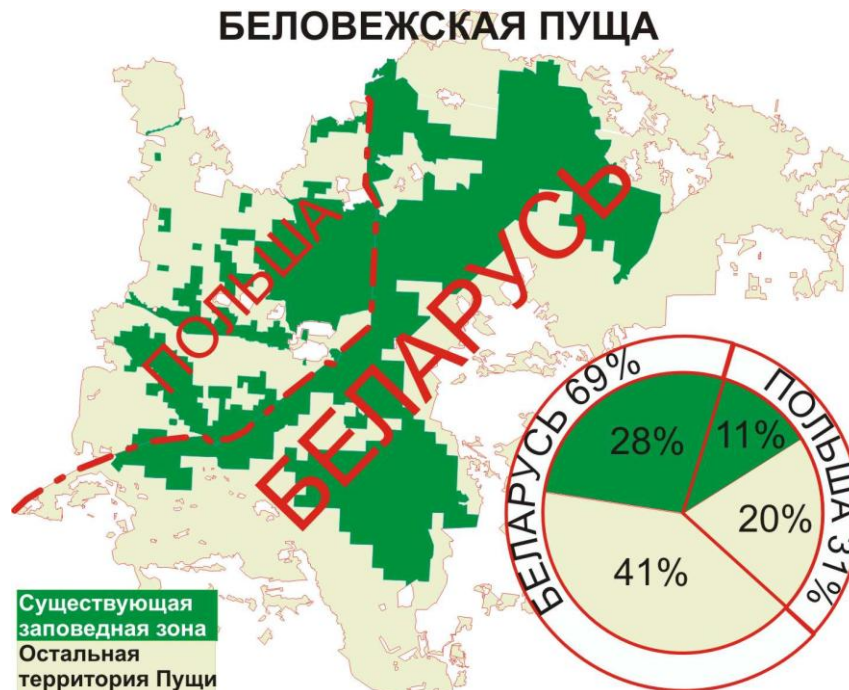


Figure – The map of Fulufjället/Fulufjellet national parks, showing the area of **undisturbed zone** (on the Swedish side) WE CAN MAKE NEW MAP

Further extension of the national park or **undisturbed zones** would demand bilateral co-operation between Sweden and Norway and support of citizens of the both countries involved.

On the Swedish side, about 60% of the park is strictly preserved, an undisturbed zone where nature is left on its own. On about 15% of the park, low human activity is allowed, including hiking and seasonal hunt on elk (moose) and small game. On about 25% of the park, high human activity is allowed, including most types of outdoor recreational activities, and in part of this area several facilities for visitors are established. On the Norwegian side, the park is not divided into zones with different protection purposes; but the restrictions are similar as those of the high activity zones on the Swedish park, allowing most types of outdoor recreational activities, including hunting/fishing. However, there are no facilities established for visitors, similar to those on the Swedish side.

The proposed increase of the conservation programme for Fulufjället/Fulufjellet would imply not only additional benefits but also costs. Establishment or increase of **undisturbed zones**, besides the apparently positive results would also induce considerable limitations on some of the existing local business activities in the areas surrounding Fulufjället/Fulufjellet, possibly leading to reduction of businesses' and local population's income. Therefore, implementation of the suggested conservation measures would require compensation of the costs and lost profits, first of all in terms of the local inhabitants. Taking into account that Fulufjället/Fulufjellet is the natural heritage of the Swedes and the Norwegians, an annual compulsory tax is being suggested for adult citizens of Sweden and Norway. The collected amounts would form the target Swedish-Norwegian Fund for Conservation of Fulufjället/Fulufjellet and would be spent exclusively on the provision of

**undisturbed zones** of Fulufjället/Fulufjellet in accordance with the adopted conservation programme. The funds would be assigned in order to cover conservation costs as well as the lost profits of local populations due to the more strict protection regime. The Fund would function under the auspices of an international organisation like UNESCO or IUCN.

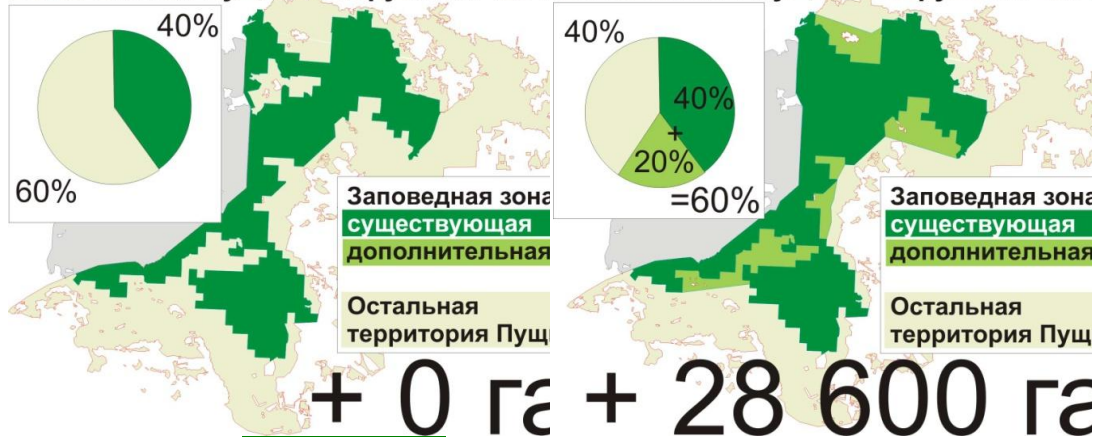
Below you will be suggested a number of situations in order for you to choose the option of Fulufjället/Fulufjellet conservation programme which you consider the best. Different options emphasise different aspects and imply different level of cost which you would have been had to bear.

Please get to know the programme attributes and their possible levels before you start choosing:

Surface of establishment of an **undisturbed zone** of Fulufjellet on the Norwegian Part, which implies ban on any human activities (except research and small guided tourist groups).

The suggested options:

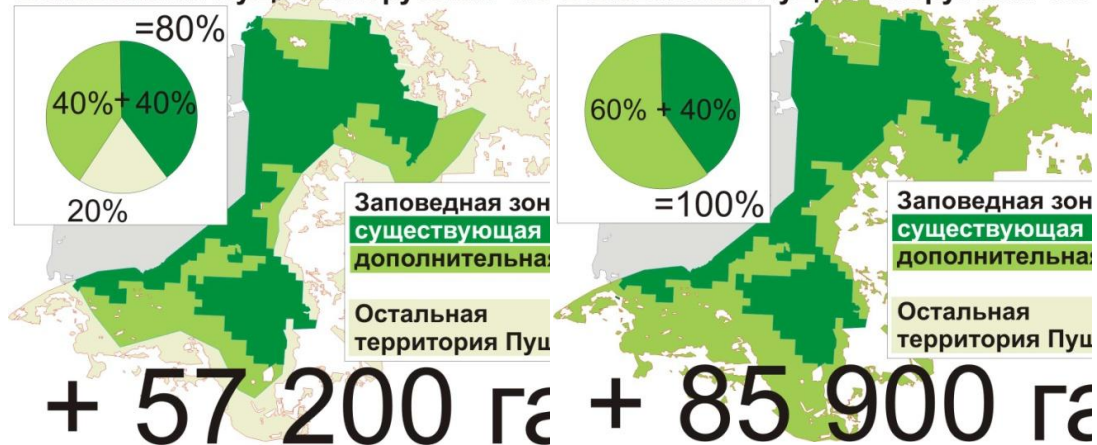
Беловежская Пушча: Белорусская часть      Беловежская Пушча: Белорусская часть



+0 ha (the share of **undisturbed zone** in the Norwegian part of Fulufjellet would remain as it is, thus making up 0% of the national park)

+25000 ha (a total of 30% of Fulufjellet on the Norwegian side would be managed as an **undisturbed zone** of the national park)

Беловежская Пушча: Белорусская часть      Беловежская Пушча: Белорусская часть



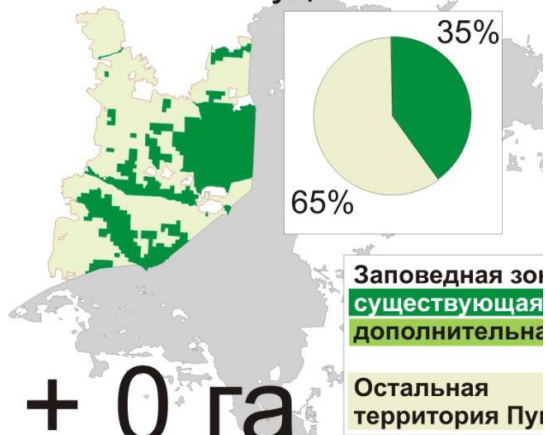
+50000 ha (a total of 60% of Fulufjellet on the Norwegian side would be managed as an **undisturbed zone** of the national park)

+85000 ha (100% of Fulufjellet national park on the Norwegian side would be managed as an **undisturbed zone**)

Surface of the expansion of the **undisturbed zone** of Fulufjället on the Swedish Part, which implies ban on any human activities (except research and small guided tourist groups).

The suggested options:

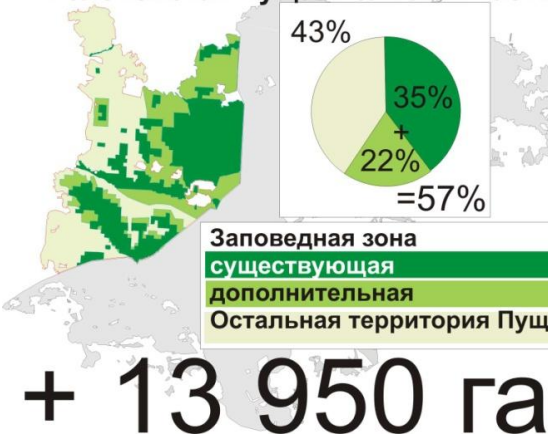
Беловежская Пуца: Польская час



+ 0 га

+0 ha (the share of **undisturbed zone** in the Swedish part of Fulufjället would remain as it is, thus making up 60% of the national park)

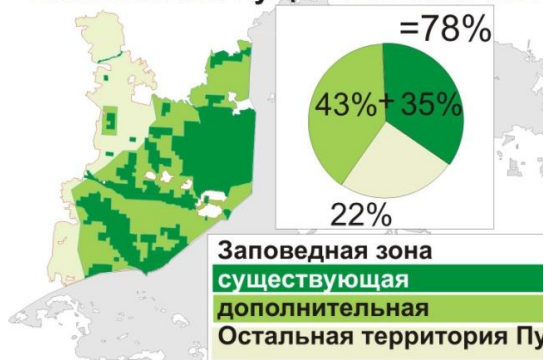
Беловежская Пуца: Польская часть



+ 13 950 га

+25000 ha (a total of 66,5% of Fulufjället on the Swedish side would be managed as an **undisturbed zone** of the national park)

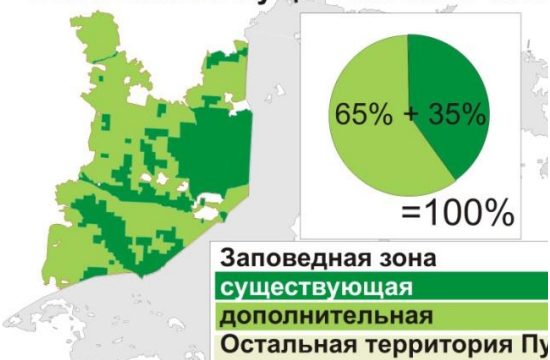
Беловежская Пуца: Польская часть



+ 27 900 га

+50000 ha (a total of 73% of Fulufjället on the Swedish side would be managed as an **undisturbed zone** of the national park)

Беловежская Пуца: Польская часть



+ 41 900 га

+150000 ha (100% of Fulufjället national park on the Swedish side would be managed as an **undisturbed zone**)



**Annual rate of the compulsory tax, every adult Norwegian citizen would have to pay.**

The tax will exclusively enter the target Swedish-Norwegian Fund for Conservation of Fulufjället/Fulufjellet and would have totally been spent on the extension of **undisturbed zones** in accordance with the conservation programme adopted.

FOR INSTANSE, IF IN ACCORDANCE WITH THE PROGRAMME THE **UNDISTURBED ZONE** WOULD HAVE BEEN SPATIALLY EXPANDED EXCLUSIVELY ON THE SWEDISH SIDE THE TOTAL AMOUNT OF FUNDS WILL BE SPENT IN SWEDEN, AND VICE VERSA FOR EXCLUSIVE EXPANSION ON THE NORWEGIAN SIDE.

The fund would have functioned under an international organisation, for instance UNESCO or IUCN. Additional conservation costs and lost profits of the local population induced by the **undisturbed zone** enlargement programme would have to be covered from the Fund.

**ONE KRONA/KRONE (KR)<sup>1</sup>** FROM THE SWEDISH SIDE WOULD HAVE ENTERED THE FUND IN RESPONSE FOR ONE KRONE PAID BY NORWEGIAN CITIZENS, AND VICE VERSA.

POSSIBLE AMOUNTS (ALTERNATIVES) – KR VALUE IS ABOUT HALF OF ZLOTY:



50 KR



100 KR (200 KR)



200 KR (500 KR)



500 KR (1000 KR)

For the alternatives implying no extension/establishment of **undisturbed zones** in Fulufjället/Fulufjellet, 0 ha increase (the “status-quo” option), there will be no additional costs and no tax paying to the fund.

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<sup>1</sup> Split sampling used: the five treatments (1:1, 1:1,25, 1:1,5, 1:75, 1:2) have been prepared for the five different 20% subsamples

Please remember, that introduction of the compulsory tax will reduce the available money for you to spend on other goods and services or other charitable purposes including CONSERVATION OF THE OTHER INTACT NATURAL SITES.

Please make your choices in the way most favourable ONLY FOR YOURSELF.

4. Below you will be proposed 16 choice-cards, with 4 options on the each one. We would like to ask you to make your choice in every situation, by putting one of the following marks:

- Mark 1 The best option of the four IN YOUR OPINION
- Mark 2 The best option of the remaining three IN YOUR OPINION
- Mark 3 The best option of the remaining two IN YOUR OPINION
- Mark 4 The last remaining option

<p><b>Сценарий 1</b> Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров</p>	<p><b>Вариант 1</b> Беловежская Пуща: Белорусская часть</p> <p>+ 85 900 га</p>	<p><b>Вариант 2</b> Беловежская Пуща: Белорусская часть</p> <p>+ 57 200 га</p>	<p><b>Вариант 3</b> Беловежская Пуща: Белорусская часть</p> <p>+ 0 га</p>	<p><b>Вариант 0</b> Беловежская Пуща: Белорусская часть</p> <p>+ 0 га</p>
	<p>Беловежская Пуща: Польская часть</p> <p>+ 41 900 га</p>	<p>Беловежская Пуща: Польская часть</p> <p>+ 0 га</p>	<p>Беловежская Пуща: Польская часть</p> <p>+ 13 950 га</p>	<p>Беловежская Пуща: Польская часть</p> <p>+ 0 га</p>
<p>Ежегодная ставка налога, долларов США в год в эквиваленте</p>	24	12	18	0
<p>Please, put down your marks here →</p>				

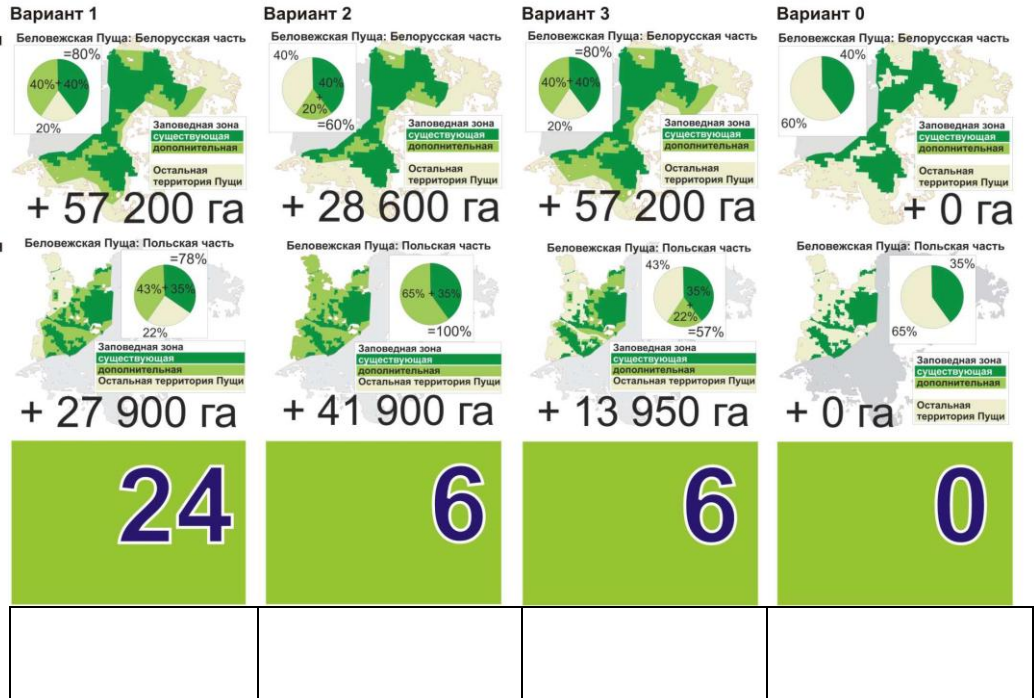
**Сценарий 2**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →



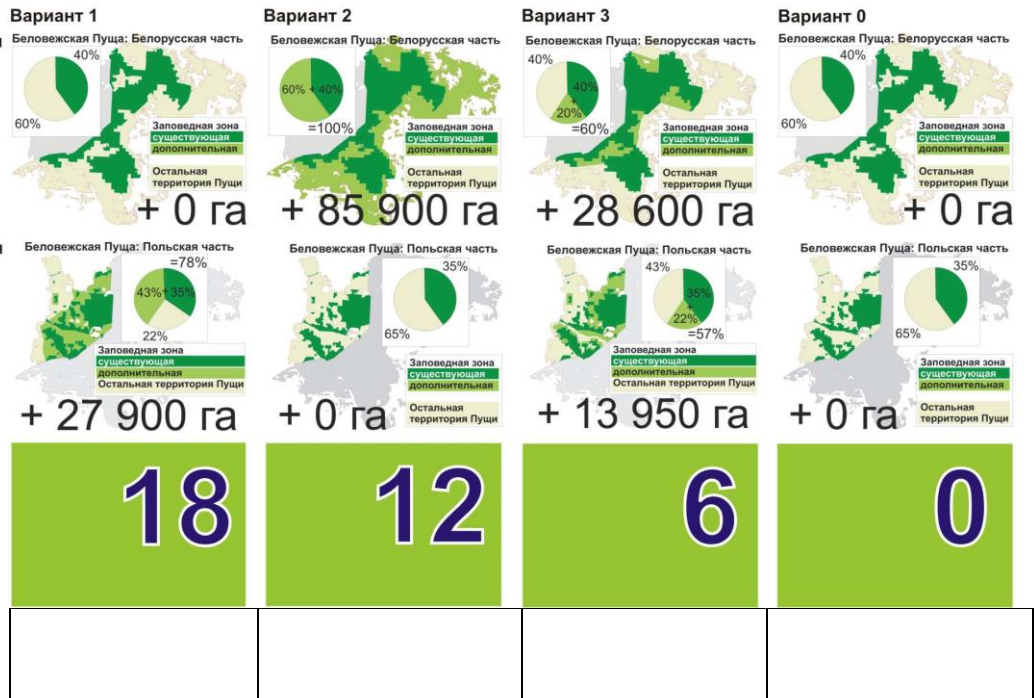
**Сценарий 3**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →



**Сценарий 4**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

**Вариант 1**



**Вариант 2**



**Вариант 3**



**Вариант 0**



Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров



Ежегодная ставка налога, долларов США в год в эквиваленте

**24**

**24**

**18**

**0**

Please, put down your marks here →

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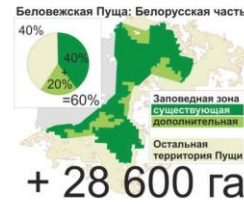
**Сценарий 5**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

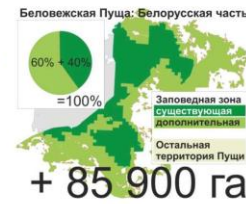
**Вариант 1**



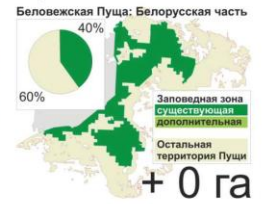
**Вариант 2**



**Вариант 3**



**Вариант 0**



Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров



Ежегодная ставка налога, долларов США в год в эквиваленте

**24**

**6**

**24**

**0**

Please, put down your marks here →

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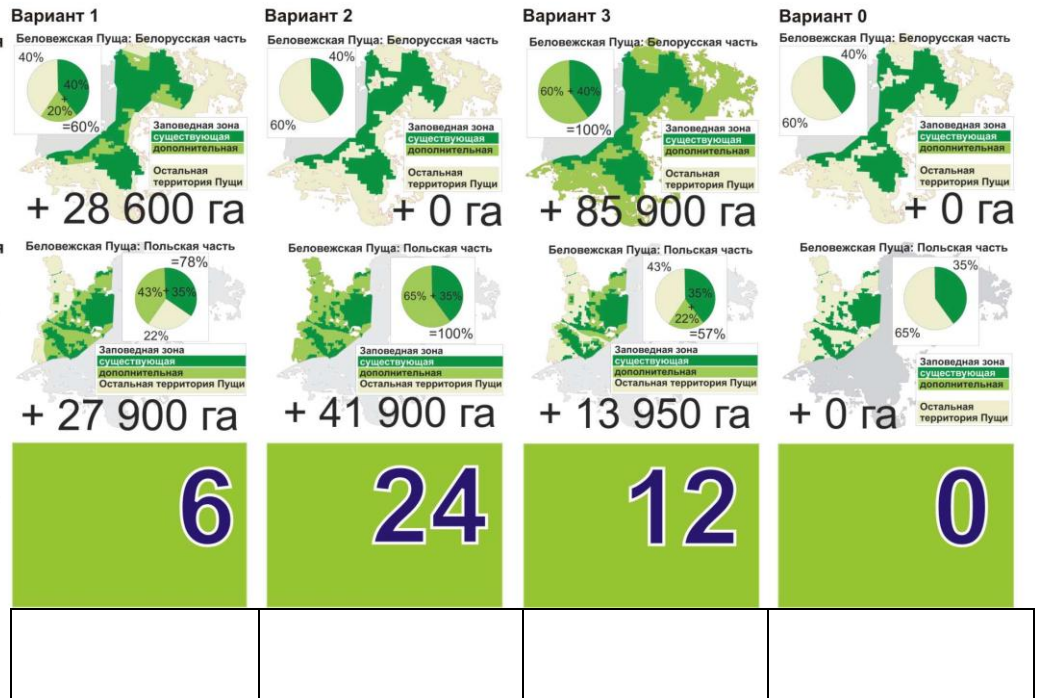
**Сценарий 6**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →



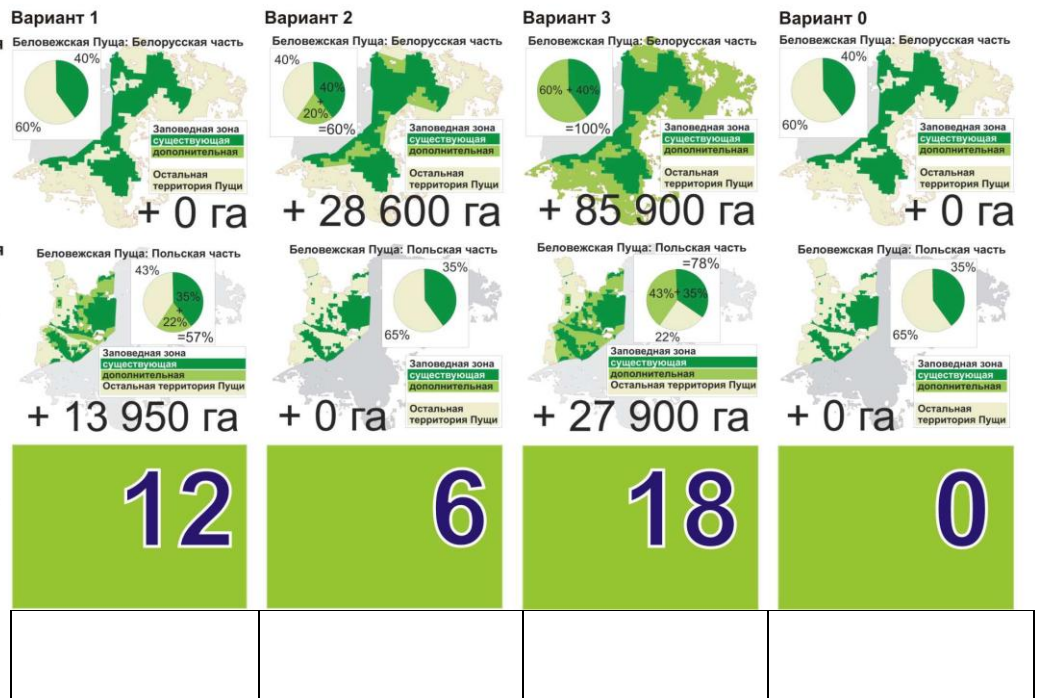
**Сценарий 7**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

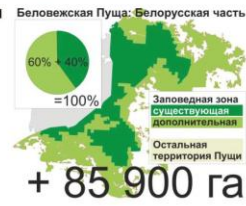
Please, put down your marks here →



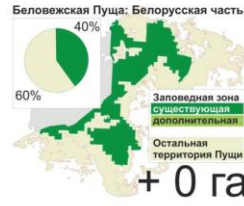
**Сценарий 8**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

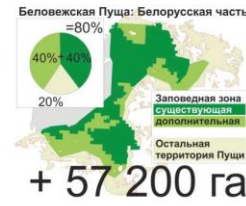
**Вариант 1**



**Вариант 2**



**Вариант 3**



**Вариант 0**



Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров



Ежегодная ставка налога, долларов США в год в эквиваленте

**24**

**6**

**18**

**0**

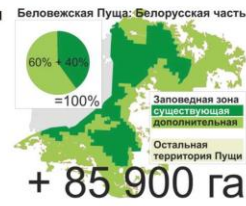
Please, put down your marks here →

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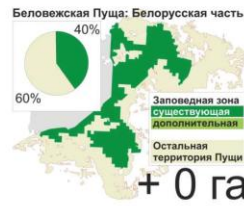
**Сценарий 9**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

**Вариант 1**



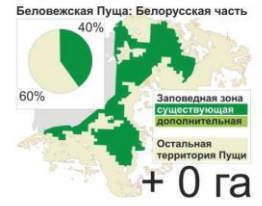
**Вариант 2**



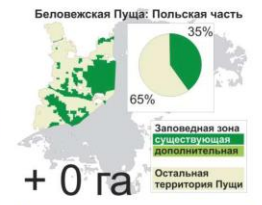
**Вариант 3**



**Вариант 0**



Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров



Ежегодная ставка налога, долларов США в год в эквиваленте

**24**

**18**

**6**

**0**

Please, put down your marks here →

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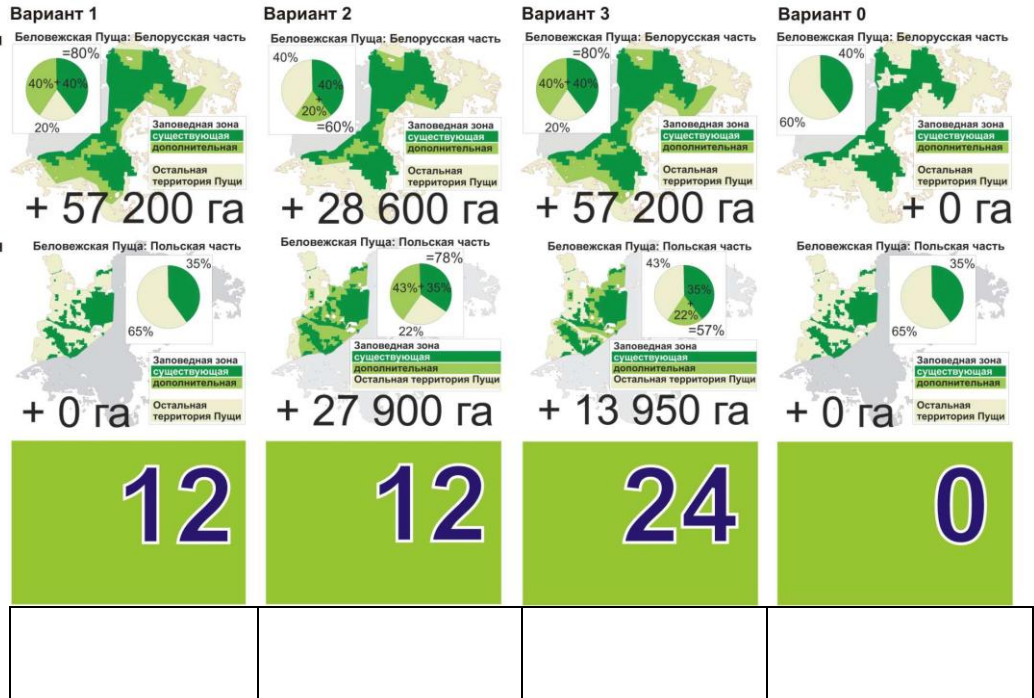
**Сценарий 10**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →



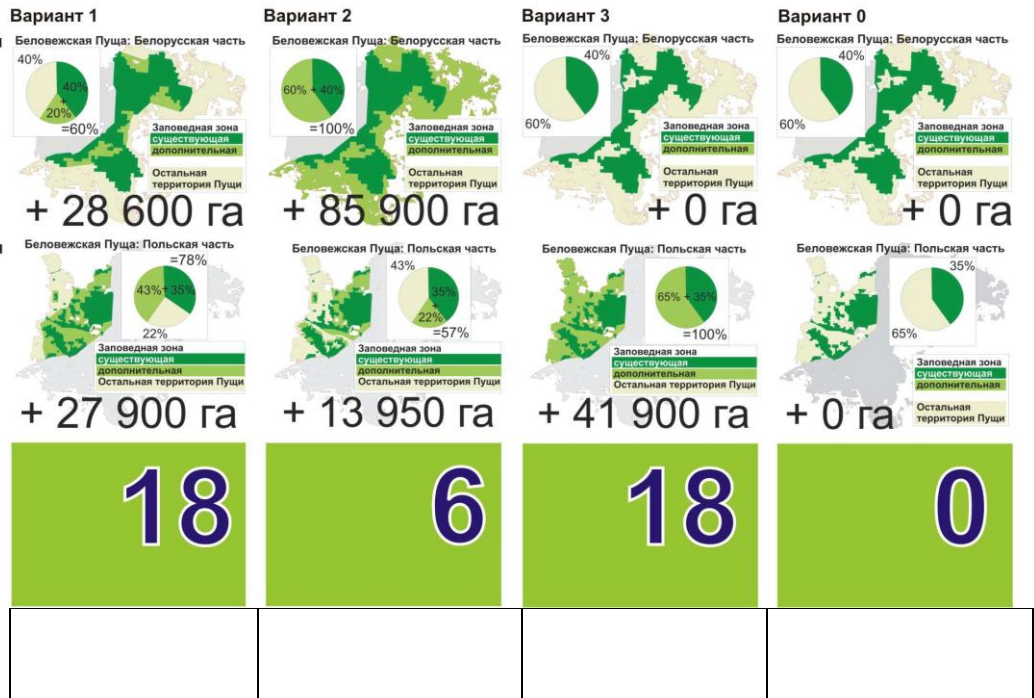
**Сценарий 11**

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →



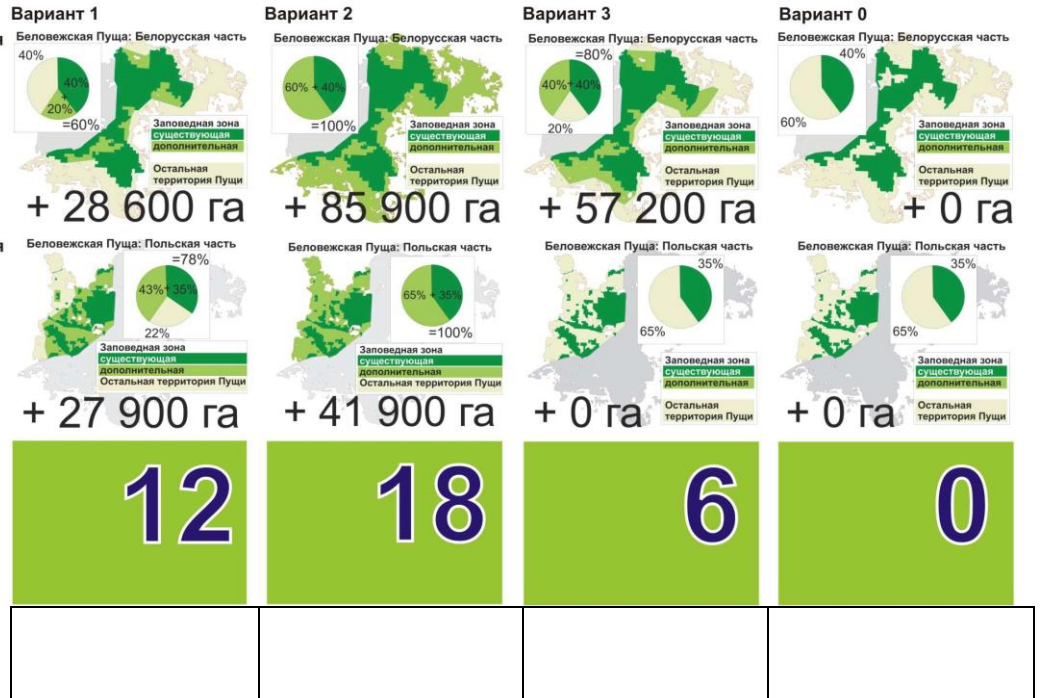
Сценарий 12

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →



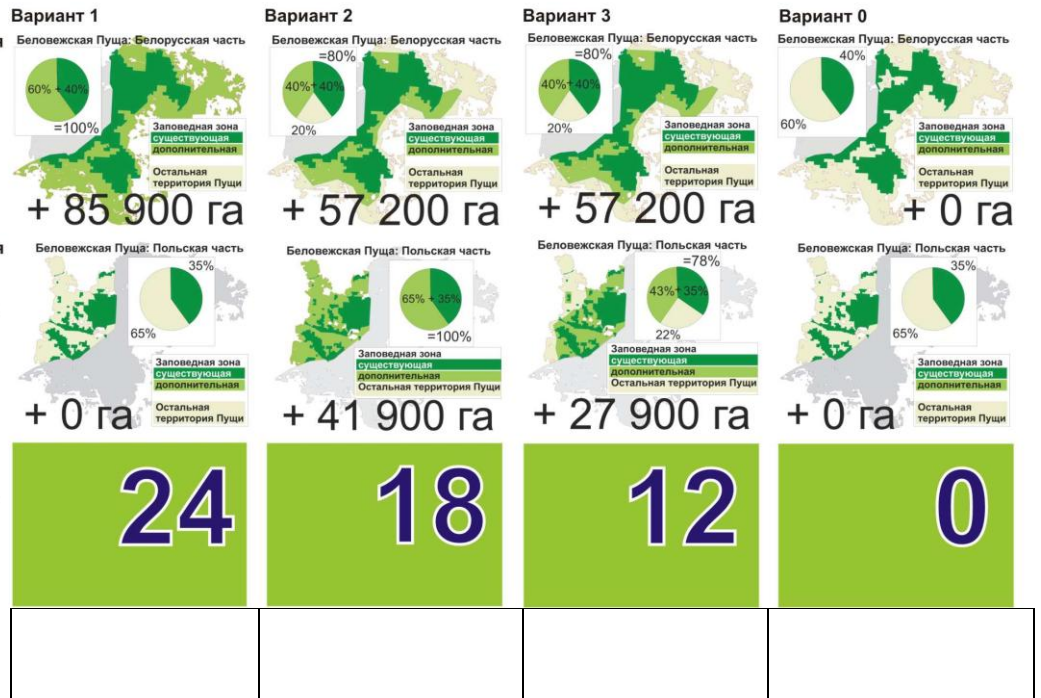
Сценарий 13

Площадь расширения заповедной зоны Беловежской Пущи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пущи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Please, put down your marks here →





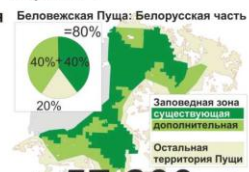
Сценарий 14

Площадь расширения заповедной зоны Беловежской Пушчи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пушчи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Вариант 1



+ 57 200 га



+ 13 950 га



Вариант 2



+ 85 900 га



+ 0 га



Вариант 3



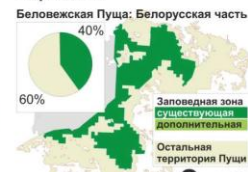
+ 28 600 га



+ 41 900 га



Вариант 0



+ 0 га



+ 0 га



Please, put down your marks here →

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Сценарий 15

Площадь расширения заповедной зоны Беловежской Пушчи с Белорусской стороны, гектаров

Площадь расширения заповедной зоны Беловежской Пушчи с Польской стороны, гектаров

Ежегодная ставка налога, долларов США в год в эквиваленте

Вариант 1



+ 57 200 га



+ 0 га



Вариант 2



+ 85 900 га



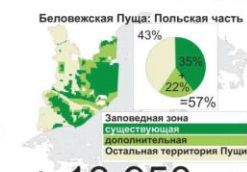
+ 41 900 га



Вариант 3



+ 0 га



+ 13 950 га



Вариант 0



+ 0 га

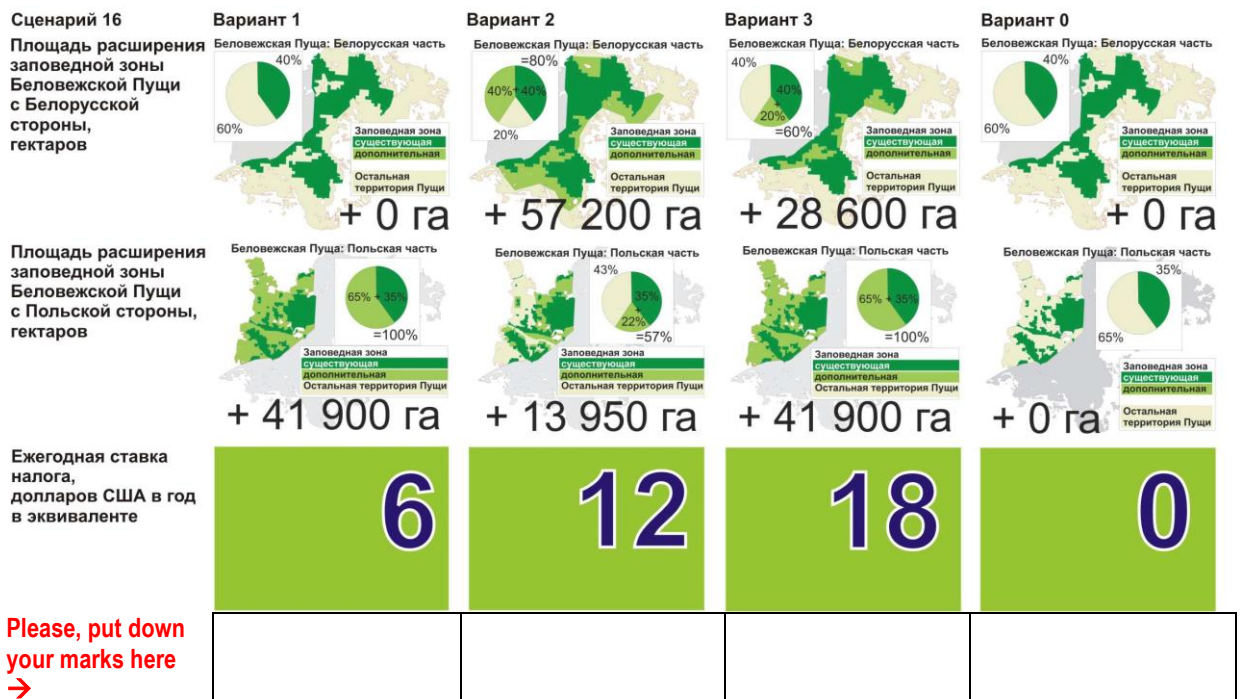


+ 0 га



Please, put down your marks here →

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5. Please specify, how much were you aware of your willingness to pay the annual compulsory tax to the target Swedish-Norwegian Fund for Conservation of Fulufjället/Fulufjellet under the rates you have chosen? Please, use the scale below.

1	2	3	4	5	6	7	8	9	10
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Absolutely NOT SURE, I have been choosing the options without thinking too much about personal consequences

Totally SURE, my choices were very well-considered

6. Every suggested conservation programme has been described with three attributes. Please, specify with mark 1, the attribute which was the most important for you when making your choices and so on, the least important attribute please mark with 3.

The establishment of an undisturbed zone on the Norwegian side of Fulufjellet	
The enlargement of the undisturbed zone on the Swedish side of Fulufjället	
The annual compulsory tax	

7. Please specify below the programme attributes, which you absolutely neglected when making your choices (if there was any).

The establishment of an undisturbed zone on the Norwegian side of	<input type="checkbox"/>
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Fulufjellet	
The enlargement of the <b>undisturbed zone</b> on the Swedish side of Fulufjället	<input type="checkbox"/>
The annual compulsory tax	<input type="checkbox"/>
I considered all the programme attributes when making my choices	<input type="checkbox"/>

8. Have you ever visited Fulufjället/Fulufjellet national park?

Yes, the Norwegian part	<input type="checkbox"/>
Yes, the Swedish part	<input type="checkbox"/>
Yes, both the Norwegian and the Swedish part	<input type="checkbox"/>
No, I have never been to Fulufjället/Fulufjellet national park	<input type="checkbox"/>

IF YES

9. How many times have you visited Fulufjället/Fulufjellet national park during the five recent years?

\_\_\_\_\_ times

10. Please, choose and specify the main reason of your visits to Fulufjället/Fulufjellet national park (please pick only one option).

Desire to watch large mammals	<input type="checkbox"/>
Desire to watch other animals, plants or the nature in the broad sense	<input type="checkbox"/>
Recreation in fine natural scenery	<input type="checkbox"/>
Visiting the one of the most important sites of the country	<input type="checkbox"/>
Professional needs	<input type="checkbox"/>
Other reasons	<input type="checkbox"/>

11. Do you plan to visit Fulufjället/Fulufjellet national park in the future?

Yes, the next year	<input type="checkbox"/>
Yes, during the next five years	<input type="checkbox"/>
Yes, but do not know when	<input type="checkbox"/>
No	<input type="checkbox"/>
Difficult to answer	<input type="checkbox"/>

M1. Please, specify your sex

Male

Female

M2. Please specify the type of your settlement

Rural area	<input type="checkbox"/>
A town with less than 25 thousand inhabitants	<input type="checkbox"/>
A town with less than 25 – 100 thousand inhabitants	<input type="checkbox"/>

A city with more than 100 thousand inhabitants	<input type="checkbox"/>
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M3. Please, specify the year of your birth  
19 \_\_\_\_\_

M4. What is your education? Please, choose from the following options

primary	<input type="checkbox"/>
secondary	<input type="checkbox"/>
secondary-technical	<input type="checkbox"/>
higher (at least 3 years at university or equivalent type of institution)	<input type="checkbox"/>
higher (Master or Ph.D. degree)	<input type="checkbox"/>
difficult to answer	<input type="checkbox"/>

M5. Have you got children?

Yes

No

M6. What is the structure of your household (including yourself)?

Under 'household' we here understand the people who live in the same house/apartment and have the common family budget

Number of adult persons	
Number of currently employed persons	
Number of children below 18 years old	

M7. By this study we want to estimate the dependence between the answers to the previous questions and respondents' income level. Please, remember that the survey is anonymous and your personal data is not subjected to separate publishing. Please, specify those positions from the listed below which reflect best your average monthly net individual income as well as the average monthly net income of your household (that is the income after tax paying). Please, account for all the sources of income including salaries, pension, capital income (like deposit interest, dividends etc.)

KR	Average monthly net individual income	Average monthly net income of the household
0 - 10 000	<input type="checkbox"/>	<input type="checkbox"/>
10 000 - 20 000	<input type="checkbox"/>	<input type="checkbox"/>
20 000 - 25 000	<input type="checkbox"/>	<input type="checkbox"/>
25 000 - 30 000	<input type="checkbox"/>	<input type="checkbox"/>
30 000 - 35 000	<input type="checkbox"/>	<input type="checkbox"/>
35 000 - 40 000	<input type="checkbox"/>	<input type="checkbox"/>
40 000 - 45 000	<input type="checkbox"/>	<input type="checkbox"/>
45 000 - 50 000	<input type="checkbox"/>	<input type="checkbox"/>
55 000 - 60 000	<input type="checkbox"/>	<input type="checkbox"/>
60 000 - 70 000	<input type="checkbox"/>	<input type="checkbox"/>
70 000 - 80 000	<input type="checkbox"/>	<input type="checkbox"/>

90 000 - 100 000	<input type="checkbox"/>	<input type="checkbox"/>
100 000 - 120 000	<input type="checkbox"/>	<input type="checkbox"/>
120 000 - 150 000	<input type="checkbox"/>	<input type="checkbox"/>
> 150 000	<input type="checkbox"/>	<input type="checkbox"/>
Difficult to answer	<input type="checkbox"/>	<input type="checkbox"/>
I deny answering	<input type="checkbox"/>	<input type="checkbox"/>

M8. Please pick from the list below the option which is the best to describe the financial state of your household

We are short of funds even to cover the primary demand	<input type="checkbox"/>
We have to deny ourselves many things in order to sustain our living	<input type="checkbox"/>
We cover everyday needs however we are lack of money on substantial goods	<input type="checkbox"/>
We have enough money and are able to save a part of them to purchase substantial goods	<input type="checkbox"/>
We have enough money and do not have to save on substantial goods	<input type="checkbox"/>
It is difficult to answer	<input type="checkbox"/>

3. Below the possible reasons for visiting forests are listed. Please pick the one which is the most important for you

Enjoying the beauty of the nature	<input type="checkbox"/>
Observing the plants and animals	<input type="checkbox"/>
Enjoying the silence and peace	<input type="checkbox"/>
Escape from the everyday routine	<input type="checkbox"/>
Spending the time all alone	<input type="checkbox"/>
Spending the time with the family and/or friends	<input type="checkbox"/>
Contact with the intact wildlife	<input type="checkbox"/>
Hunting	<input type="checkbox"/>
Picking mushrooms, berries, medicine plants	<input type="checkbox"/>
Physical exercises, sports	<input type="checkbox"/>
Thirst for adventures	<input type="checkbox"/>
Escape from stress and getting well	<input type="checkbox"/>
Professional reasons	<input type="checkbox"/>

1. How important for you is the protection of nature?

	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
Absolutely of no importance	1	2	3	4	5	6	7	8	9	10	Extremely important

Thank you for filling in the questionnaire!

Please leave your comment if you find it needed. Thank you!