



iGeo



14th International Geography Olympiad

FIELDWORK EXERCISE 2

**SUSTAINABLE DEVELOPMENT OF YOUTH TOURISM
AT KOŠUTNJAK PARK OF BELGRADE, SERBIA**

Student number

1	4				
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Belgrade, 2017

INSTRUCTIONS

All tasks must be completed individually, using the answer templates provided. The Resource Booklet contains important supporting materials: tables with statistical data, maps, etc.

Time management:

You have **10 minutes** to read the tasks and Resource Booklet. No writing during this time.

Students with English as the language of instruction then have **2 hours** to complete the test.

All other students have **2 hours and 20 minutes**.

Write your answers **in pen**.

You may use colored pencils/pens for map work.

You may refer to material in the Resource Booklet in your answers, and you may use material included in earlier answers to the FWE-1 you have provided.

Total marks for FWE-2: 20

I. Demography

I.1. Using the demographic data and map (see **Table 1** and **Map 5** in the **Resource Booklet**), calculate the total number of potential visitors to the Košutnjak Park from the municipalities, highlighted on the Map 5, who are aged 15—25 years old in 2017. Write your answer in the table below. **(1 m)**

Place for calculations

	Municipality	Potential number of visitors 15—25 years old in 2017
1.		
2.		
3.		
4.		
	Total:	

I.2. Assuming that only one out of 1,000 (one thousand) people aged 15—25 years old from each of the countries sharing borders with Serbia, will visit Košutnjak Park this year, which country can potentially provide the largest number of young tourists? **(1 m)**

Country: _____

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II. Transportation and Accessibility

II.1. Examine the current (present day) public transport scheme of Belgrade (**Map 6** of the Resource booklet. Which municipality highlighted on Map 5 has the easiest (fastest) connection with Pioneer City? Which municipality has the most complicated (slowest) connection with the Košutnjak Park? **(2 m)**

Fastest connection		Slowest connection	
Municipality	Justification (public transport lines configuration and length)	Municipality	Justification (public transport lines configuration and length)
_____	_____	_____	_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____
	_____		_____

II.2. There is a plan to build a tunnel for cars in Belgrade from **A** to **B** (**Map 4**). Provide positive justifications (benefits) for building this tunnel for future development of tourism in Košutnjak Park. **(2 m)**

Propose the shortest way to connect the Aleksandar restaurant at Košutnjak Park (Stop S4, where you were yesterday), with the exit from the proposed tunnel (**B** on **Map 4**). Be realistic: only kinds of transport, which are already used for passengers in the other cities of the world, can be proposed. Name this kind of public transport and estimate the length of its route from the tunnel exit to S4. **(1 m)**

_____ (mode of transportation)

Length of line _____ m

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III. Human Impact (Anthropogenic Pressure)

III.1. On the **Map Template 1**,

- Divide the territory of the Košutnjak Park into no more than **5 zones** based on the degree of human impact (anthropogenic pressure). For this, summarize your observations, made during FWE-1, and use data from the Resource Booklet and maps.
- In the legend (key), write brief annotations for the characteristics of each zone. For this, you need to provide a title that refers to the main activities within this zone, and/or to its geographical location.
- Briefly describe the zones and the criteria behind their allocation.

(5 m)

III.2. Which of the zones you have identified is characterized by the highest degree of human impact (anthropogenic pressure) on its territory?

- Provide a quantitative indicator to measure human impact (anthropogenic pressure), and estimate its average value for this zone.

(1 m)

Zone with the highest degree of anthropogenic pressure: _____ (*No from Legend*)

Indicator (variable): _____

Units of measurement: _____

Average value for this zone: _____

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Map Template 1



Legend

Zone number and brief annotation	Description and principles (criteria) behind your allocation
I. _____	<hr/> <hr/> <hr/> <hr/>
II. _____	<hr/> <hr/> <hr/> <hr/>
_____	<hr/> <hr/> <hr/> <hr/>
_____	<hr/> <hr/> <hr/> <hr/>
_____	<hr/> <hr/> <hr/> <hr/>

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IV. Potential and limitations for sustainable development of youth tourism at Košutnjak Park

IV.1. Using the Resource Booklet materials and your field observations from yesterday, think about kinds of youth tourism that could be practiced here. Provide answers to the following questions in the boxes, with brief explanation of reasons for each of them. (4m)

A. Which one of the already existing activities would you recommend to support and develop as a preference?

Answer

B. Which one of the already existing activities would you recommend to limit?

Answer

C. Which one completely new activity (never or very rarely practiced here before) would you recommend for development? Briefly describe it, informing title of activity, length of route, appropriate season of the year, and other important characteristics.

Answer

IV.2. Imagine, that you are designing a plan for sustainable development of youth tourism in Košutnjak Park. Link ideas for your plan to different scales (levels). For each scale, indicate the main advantages/potentials, and main limitations/constraints. **(3 m)**

Scale (level)	Advantages	Limitations/constraints
Micro / Local <i>(nearby districts)</i>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Mezo / National <i>(Belgrade and Serbia)</i>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
Macro / Regional <i>(all Europe)</i>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

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Mark (of 4):