

## SUPPLEMENTARY MATERIALS

### Article

### Perception of the Geological-Mining Heritage to Promote Geotourism in Guayaquil, Ecuador .

#### Supplementary Materials:

Table S1 shows the questions asked with their respective multiple choice answers that each respondent could choose. In addition, questions 15, 16 and 17 have the option of answering at the discretion of each one.

**Table S1.** Geological and mining heritage perception survey questions.

The Escuela Superior Politécnica del Litoral (ESPOL) of Ecuador is studying the "Perception of the geological-mining heritage of the inhabitants of Guayaquil". Your authorization is requested to participate in this research project, whose objective is to evaluate the perception of the city's geoheritage to promote knowledge and dissemination of the geological-mining heritage. Your participation is entirely voluntary, and if you do not wish to participate, there will be no adverse consequences. You can withdraw from the study at any time. The response is completely anonymous. If you have any questions, please contact Boris Apolo/Paúl Carrión, whose email addresses are: [bhapolo@espol.edu.ec](mailto:bhapolo@espol.edu.ec) and [pcarrion@espol.edu.ec](mailto:pcarrion@espol.edu.ec).

N.-	Questions	Answers
1	How many years have you been living in the city of Guayaquil?	Under 1 year
		1 to 5 years
		6 to 10 years
		11 to 15 years
		16 to 20 years
		Over 20 years
2	What part of the city do you live in?	North
		Center
		South
3	Sex	Female
		Male
4	Years old	16 to 25 years old
		26 to 35 years old
		36 to 45 years old
		46 to 64 years old
		Over 65 years old
5	Education (C= complete, I= incomplete)	School C
		School I
		High School C
		High School I
		University C
		University I
—		Postgrade C

		Postgrade I
6	Do you own the following electronic devices?	Desktop computer (PC)
		Laptop
		Tablet
		Mobile phone
		Mart TV
7	What type of media do you mainly use for information?	None
		TV
		Websites
		Social networks
		Newspaper
8	What topics do you like to be informed about?	Magazines
		Radio
		Education
		Culture
		Local tourism
9	Do you manage social networks?	Shows
		Tourism abroad
		Science
		Technology
		Policy
10	How often do you use social networks? Understand as 1 (Always), 2 (Almost always), 3 (Sometimes), 4 (Seldom) and 5 (Never).	Sports
		Yes
		No
		1
		2
11	Usually when you see news (social media, newspaper), what do you do?	3
		4
		5
		Read only the headline of the news item, photo or video. photo or video
		Read the headline and all content
12	Have you travelled abroad?	Read all the content and also verify information in other media
		Yes
		No
		Yes
		No
13	Have you travelled within the country?	Yes
		No
		Yes
		No
		Yes
14	Have you travelled in the canton of Guayaquil?	No
		If you have travelled OUTSIDE THE COUNTRY, answer: Where and Reason. If you have not travelled, answer "No"
		Formulate your answer
		If you have travelled WITHIN THE COUNTRY, answer: Where and Reason. If you have not travelled, answer "No"
		Formulate your answer
15	If you have travelled IN GUAYAQUIL, answer: Where and Reason. If you have not travelled, answer "No"	Formulate your answer
		Formulate your answer
		Formulate your answer
		Formulate your answer
		Formulate your answer

18	Do you consider tourism to be beneficial for the city's inhabitants?	Yes No
19	If your answer to the previous question was Yes, please answer: How is tourism beneficial to the city's inhabitants?	Generates jobs Generates sales for goods and services Resource preservation
20	In COVID-19 times, which type of tourism do you consider to be safer?	Closed places without natural spaces Sites with natural areas
21	Do you know what heritage is?	Yes No
22	Do you know what geodiversity is?	Yes No
23	Do you know what geology is?	Yes No
24	Do you know the following earth science terms?	Stratigraphy Tectonics Hydrogeology Outcrop Morphology Sedimentary structures Estuary Fossils Mining deposits Formations All the above None
25	Would you like to learn about earth sciences through visits to different places in your city?	Yes No
26	Do you consider that the city of Guayaquil has tourist sites of international relevance?	Yes No
27	Have you heard about the following sites?	Santa Ana Hill Cerro del Carmen San Pedro hill Puná island Santay island Zeolite quarries Pascuales quarry San Eduardo quarry Azul Hill Salty estuary (Malecón del Salado) Guayas river (Malecón 2000) Lime kilns (Cerro Blanco) All the above None
28	What reason has motivated and/or would motivate you to visit any of the following sites?	Heritage Protected area Amusement Landscape/Geology/Geodiversity Biodiversity Education
29	Do you know what geotourism is?	Yes

		No
30	Would you be interested in learning about geotourism in your city?	Yes No
31	How would you help to promote landscape and nature tourism in your city?	Preserving Economically Sharing information with family members Sharing information at work Sharing information on social networks
32	Are you happy in your city (General: territory, resources, services)?	Yes No
33	What do you consider to be the most outstanding aspects of your city?	Education Access routes Promotion of tourist and recreational sites Security Infrastructure
34	What aspects do you think need to be improved in your city?	Education Access routes Promotion of tourist and recreational sites Security Infrastructure