

Developed by Levontin, Gilad & Chako.

Dear researcher,

Below you will find the 58-item questionnaire to measure citizen scientists' motivation.

The questionnaire includes 18 categories, which measure 18 types of motivations. Each category has 1 to 7 items.

Filling the questionnaires takes between 8-15 minutes. Whenever possible we recommend using ALL items.

How to use the questionnaire?

Preparing a project specific questionnaire

Translation

To use the questionnaire in your language you will need to translate it. When translating, meaning is more important than accuracy.

1. Translate items to your language.
2. Ask 3 scholars with proficient level of English to back translate the items to English.
3. Improve translation when necessary.

Project specific items

Items number 2, 19, 31, 49, 55 include the words “topic of this project” or “this project”. You can leave them as they are or replace them with the topic of your project, e.g., wildlife, marine biology, Alzheimer disease etc.

Do you need a shorter version?

If you need your CSs to fill in a questionnaire with fewer items follow these steps:

For a shorter version (35 items or more),

Please use ALL items from the following categories:

- Stimulation, active
- Power, resources
- Power, dominance
- Face
- Security
- Tradition
- Teaching

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Please choose AT LEAST TWO items from the following categories:

- Self-direction
- Stimulation
- Routine
- Hedonism
- Achievement
- Belongingness
- Conformity
- Benevolence
- Universalism, social
- Universalism, nature
- Help with research

Randomization of items

Whenever possible it is recommended to use a software (online) that allows full randomization of items.

- Participants will receive a link and fill the questionnaire using their smartphones, tablets, or computers.

When using a paper and pencil version, randomize the items before printing the questionnaire.

Analysis

Calculate the 18 motivation categories for each participant by calculating the mean of the category items

- Make sure NOT to include “not relevant” answers in the calculation of the mean.

We are available for questions and assistance!

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Motivations for participation in CS - Researchers' version

Category	Item #	item
Self-direction	1	I want to learn
	2	I am interested in the topic of this project
	3	I am interested in science and/or technology
	4	I participate out of curiosity
	5	I want to improve my skills
	6	It's an opportunity to explore new things
	7	It enables me to be creative
Stimulation	8	I want to do something new
	9	I want to break away from my routine
	10	I strive to challenge myself
Routine	11	This activity is related to another hobby I have
	12	I was doing this activity anyway
	13	I'm a regular participant in citizen science projects
Stimulation, active	14	I want to spend time outdoors
	15	I want to do some physical activity
Hedonism	16	I want to have fun
	17	Participating makes me feel good about myself
	18	I enjoy this activity
	19	I am passionate about this project
	20	It's a way for me to relax
Achievement	21	I am seeking fame
	22	I want to advance my career
	23	It's an opportunity to perform better than others
	24	I like to compete with others
	25	I want to do something meaningful
Power, resources	26	I want to gain financial incentives
	27	I expect something in return
Power, Dominance	28	I want to gain recognition and status
	29	Volunteering makes me feel important
Face	30	I want to enhance my reputation
	31	Other people think positively about my contribution to this project
Belongingness	32	I want to socialize with other people
	33	I want to meet people with similar interests
	34	I want to be part of this volunteers' community
	35	I want to feel part of something worthwhile
Security	36	I want to keep myself secure and healthy
	37	I want to live in secure surroundings

Tradition	38	It is important to me to maintain my religious beliefs
Conformity	39	I am required to take part in such a project
	40	I was requested to participate by somebody
	41	Other people I know are participating
Benevolence	42	I am happy to help
	43	It is a good thing to do
	44	I want to contribute to my community
Universalism, social	45	I want to make the world a better place
	46	I want to improve our society
	47	I want to make scientific knowledge more accessible
	48	I want to contribute to the well-being of others
	49	I want to raise public awareness to the topic of this project
Universalism, nature	50	I want to contribute to the conservation of nature
	51	I want to protect the environment
	52	I want to help wildlife
	53	I feel a strong connection with nature
Help with research	54	I want to contribute to science
	55	I want to contribute to the knowledge about the topic of this project
	56	I want to contribute to scientific research
Teaching	57	I want to provide learning opportunities to others
	58	I want to share my knowledge and experience

Dear citizen scientist,

This set of questions asks you about reasons to participate in this citizen science project.

Different people have different reasons. We want to know how true each of these reasons is for you.

Please indicate your agreement or disagreement with each item using a 1 (not at all) to 5 (very much) scale. Try to use the entire scale when rating the items. That is, some of your answers will likely be at the lower end of the scale, some will be in the middle, and others will be at the higher end of the scale.

If you find you have no answer for an item, please use “Not relevant”.

		Not at all 1	2	3	4	Very much 5	Not relevant
1	I want to learn						
2	I am interested in the topic of this project						
3	I am interested in science and/or technology						
4	I participate out of curiosity						
5	I want to improve my skills						
6	It's an opportunity to explore new things						
7	It enables me to be creative						
8	I want to do something new						
9	I want to break away from my routine						
10	I strive to challenge myself						
11	This activity is related to another hobby I have						
12	I was doing this activity anyway						
13	I'm a regular participant in citizen science projects						
14	I want to spend time outdoors						
15	I want to do some physical activity						
16	I want to have fun						
17	Participating makes me feel good about myself						
18	I enjoy this activity						
19	I am passionate about this project						
20	It's a way for me to relax						
21	I am seeking fame						
22	I want to advance my career						
23	It's an opportunity to perform better than others						

		Not at all 1	2	3	4	Very much 5	Not relevant
24	I like to compete with others						
25	I want to do something meaningful						
26	I want to gain financial incentives						
27	I expect something in return						
28	I want to gain recognition and status						
29	Volunteering makes me feel important						
30	I want to enhance my reputation						
31	Other people think positively about my contribution to this project						
32	I want to socialize with other people						
33	I want to meet people with similar interests						
34	I want to be part of this volunteers' community						
35	I want to feel part of something worthwhile						
36	I want to keep myself secure and healthy						
37	I want to live in secure surroundings						
38	It is important to me to maintain my religious beliefs						
39	I am required to take part in such a project						
40	I was requested to participate by somebody						
41	Other people I know are participating						
42	I am happy to help						
43	It is a good thing to do						
44	I want to contribute to my community						
45	I want to make the world a better place						
46	I want to improve our society						
47	I want to make scientific knowledge more accessible						
48	I want to contribute to the well-being of others						

		Not at all 1	2	3	4	Very much 5	Not relevant
49	I want to raise public awareness to the topic of this project						
50	I want to contribute to the conservation of nature						
51	I want to protect the environment						
52	I want to help wildlife						
53	I feel a strong connection with nature						
54	I want to contribute to science						
55	I want to contribute to the knowledge about the topic of this project						
56	I want to contribute to scientific research						
57	I want to provide learning opportunities to others						
58	I want to share my knowledge and experience						