

Survey report

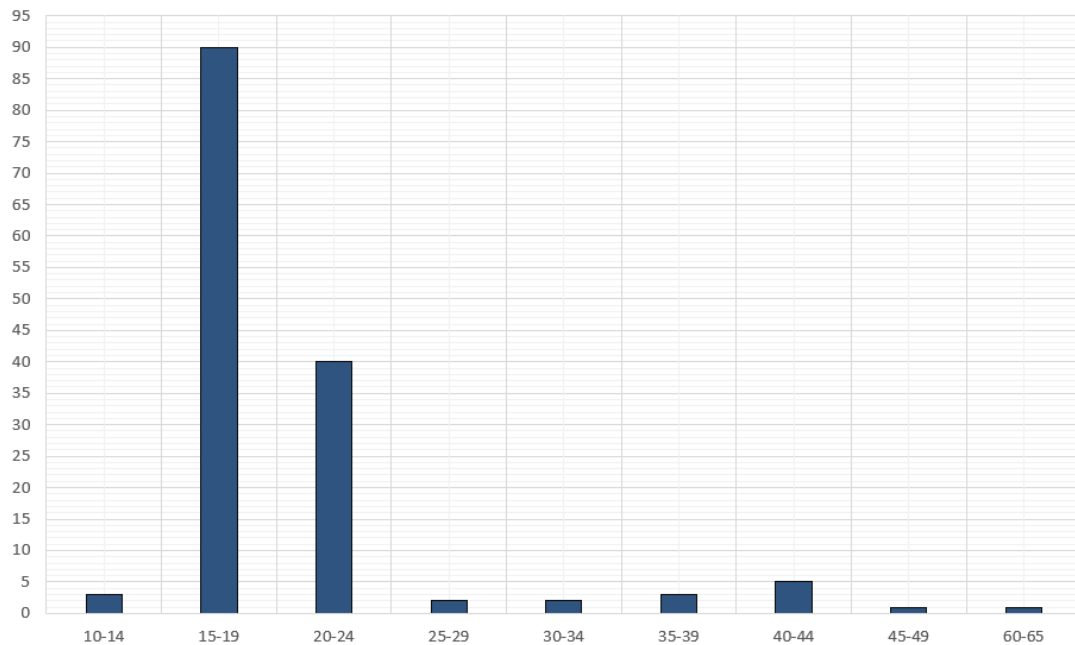
iGEM Wrocław 2019



147 people was kind enough to take our survey. We checked the general knowledge about air pollution and synthetic biology. The results are as follows:

General information: age, sex and education level (questions 1-3)

Age of respondents

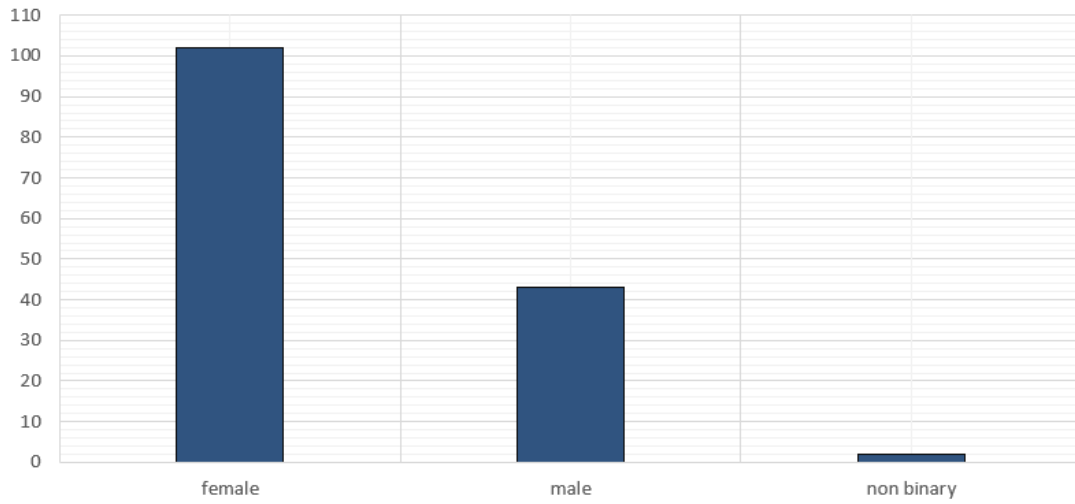


Age group	Number of respondents
10-14	3
15-19	90
20-24	40
25-29	2
30-34	2
35-39	3
40-44	5
45-49	1
60-65	1

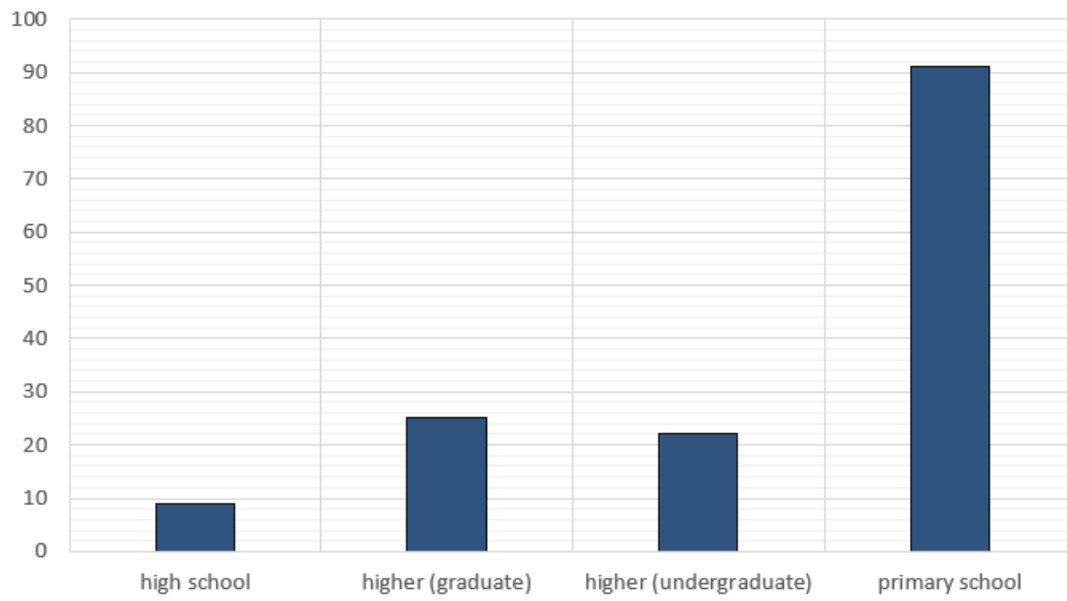
Sex	Number of respondents
female	102
male	43
non binary	2

Education level	Number of respondents
high school	9
higher (graduate)	25
higher (undergraduate)	22
primary school	91

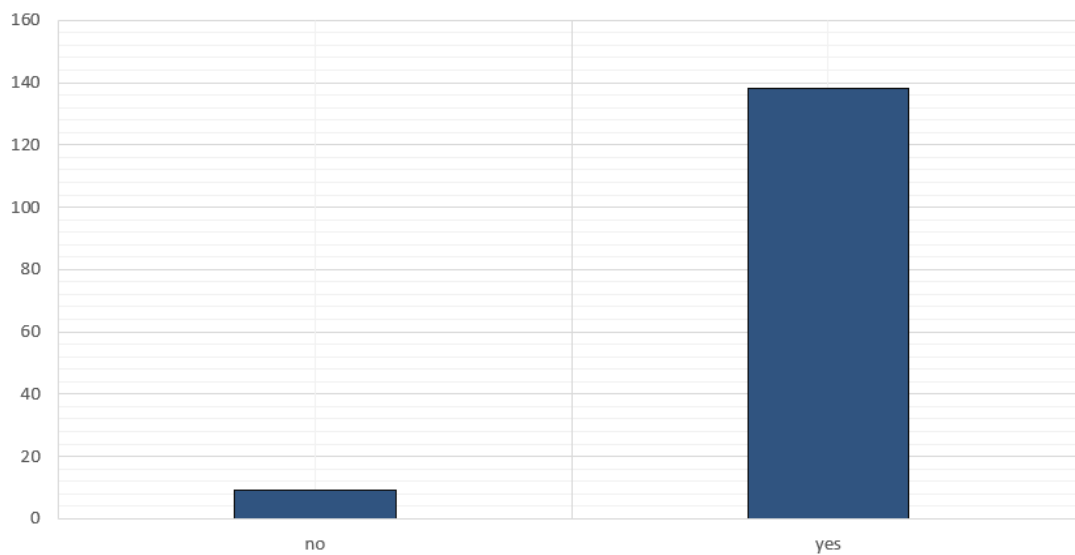
Sex of the respondents



Education level



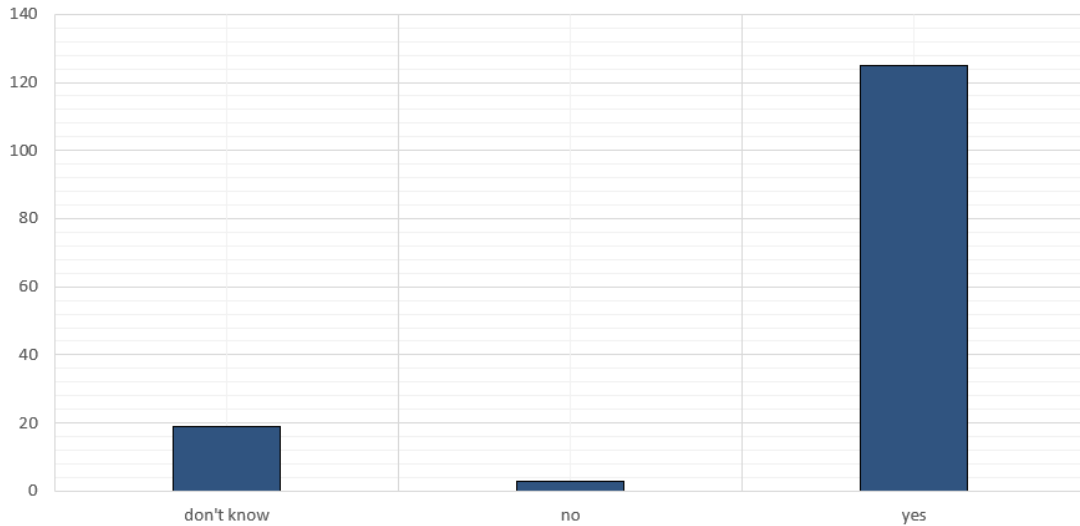
Question 4: Have you ever heard about the heavy metal air pollution problem?



Almost 94% percent (138 people) is well aware of the problem.

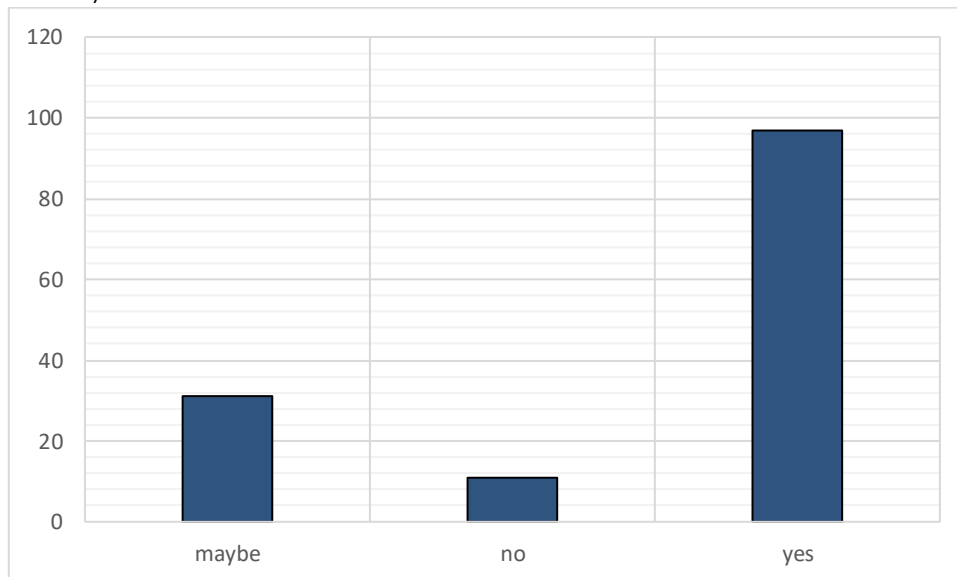
Question 5: If you said 'yes' to the previous question, do you think it has strong negative impact on the health of people, animals and on the environment?

Question 6: If so, how they impact our organisms?



Only 3 people (2%) said no to the question about strong negative impact, 125 (85%) said yes. Most people answered correctly to the question about the impact of heavy metals on our organisms; they agreed that air pollution causes various diseases and negatively affects human health.

Question 7: If you answered 'yes' to the question no. 5, would you consider using biodegradable filters purifying air in the house (if they were economically viable)?

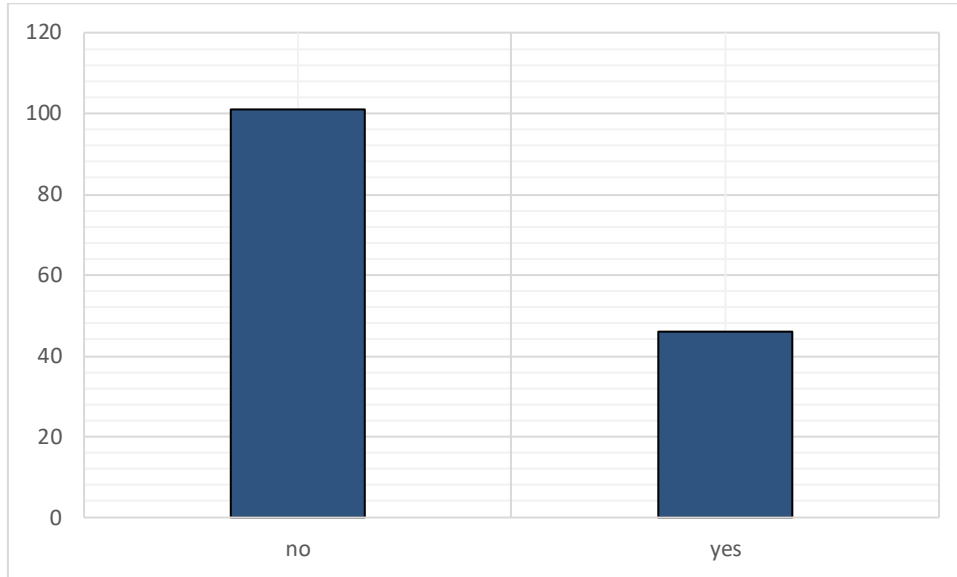


Among 140 answers to this question 97 respondents said 'yes' (69%), 31 answered 'maybe' (~22%).

Question 8: If you answered 'yes' to the previous question, if these biofilters would contain genetically modified yeast (100% safe and protected against getting out to the environment) would you still consider using it and why?

Most respondents would use the filter, many of them mentioned that it should first undergo many safety tests. Minority of people answered that they are afraid of GMO, and few people stated that the whole idea sounds bad for them.

Question 9: Have you ever heard of synthetic biology?



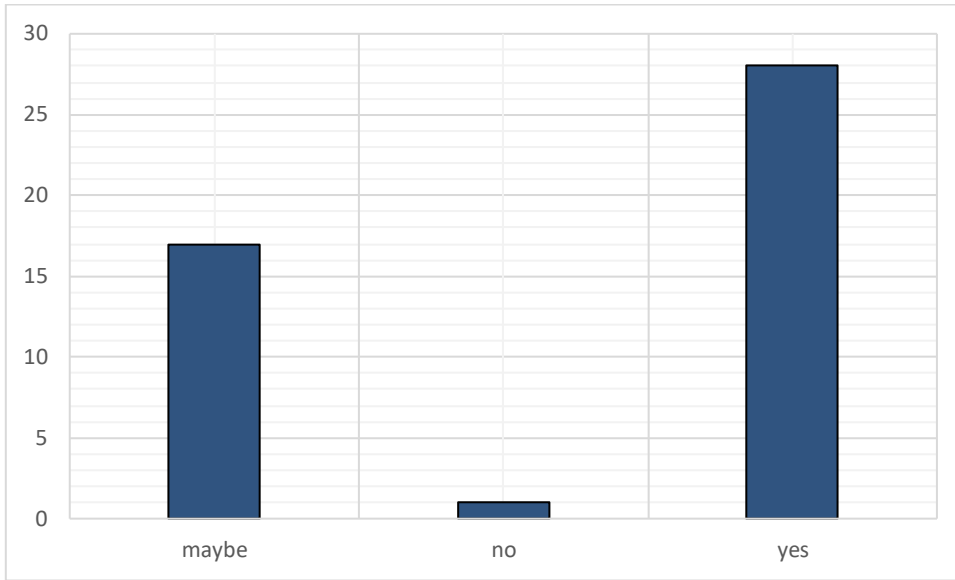
101 people have never heard about synthetic biology before, which is almost 69%! It is vital to spread the knowledge about this science branch.

Question 10: What do you think of when you hear the term 'synthetic biology'? What is synthetic biology about?

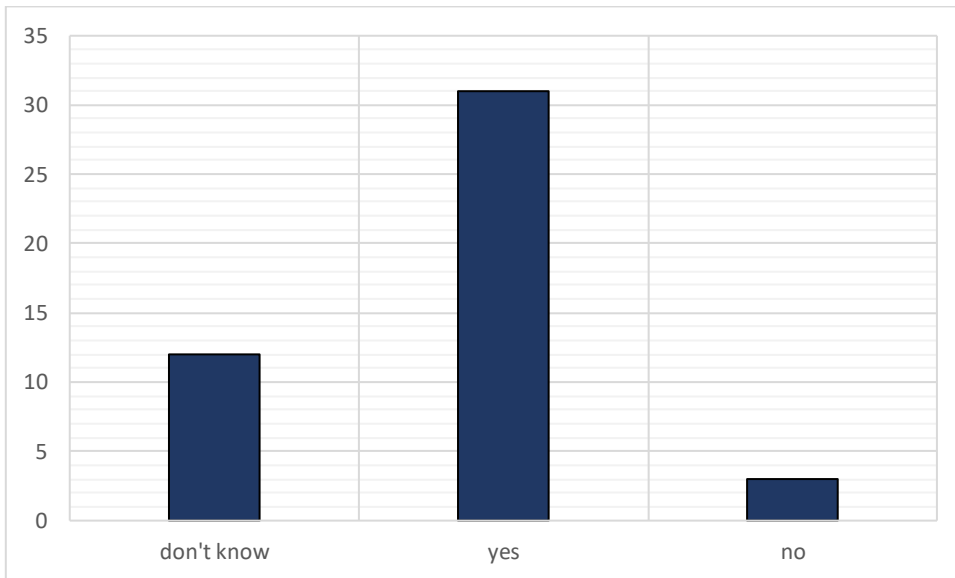
Most people don't know much about synthetic biology; some of them, because of the topic, associate it with environmental protection (which isn't exactly wrong in terms of our project, but we all know that there is much more about synthetic biology than just this). Some people wrote about using microorganism to solve engineering problems. All in all, the general knowledge about the topic is still not satisfactory.

Question 11: If you answered 'yes' to question 9, do you think that synthetic biology is prospering branch of science?

Among 46 people, 28 responded 'yes' and only one said 'no', but considering the general lack of knowledge about synthetic biology – we're not sure if it really matters.



Question 12: If you answered 'yes' to question 9, do you think that we can successfully implement synthetic biology inventions into the industry?



31 respondents said 'yes', and 12 of them doesn't know. As we said above – we need to educate people more about synthetic biology.

Question 13: Does our dialogue have changed your mind in terms of topics mentioned above (air pollution, synthetic biology)?

