

1. Online Consent Form for Participation in Research

This survey is part of a research study conducted by Illah R. Nourbakhsh, Yen-Chia Hsu, and Mary B. Dias at Carnegie Mellon University and is funded by The Heinz Endowments. This survey research will measure community engagement in the Smell Pittsburgh community by understanding three aspects: (1) the confidence that the community can achieve its goals, (2) the motivations of using Smell Pittsburgh, and (3) the levels of participation. The result will greatly benefit the research of how to develop a system for community engagement.

Procedures

If you decide to take part in this study, you will fill out a survey about community engagement. We do not record video or audio during the study. The survey is expected to take less than 10 minutes.

Participant Requirements

Participation in this study is limited to individuals age 18 and older.

Risks

The risks and discomfort associated with participation in this study are no greater than those ordinarily encountered in daily life or during other online activities. The primary risk is the breach of confidentiality.

Benefits

There may be no personal benefit from your participation in the study but the knowledge received may be of value to humanity.

Compensation & Costs

There is no compensation for participation in this study. There will be no cost to you if you participate in this study.

Confidentiality

All responses are kept confidential. We will store all digital data in a password protected database at Carnegie Mellon University. Your IP address will not be captured. The de-identified data may be shared with the sponsor (the Heinz Endowments).

Right to Ask Questions & Contact Information

If you have any questions about this study, you should feel free to ask them by contacting the Principal Investigator now at Illah R. Nourbakhsh, Professor, The Robotics Institute, Carnegie Mellon University, 5000 Forbes Avenue, Pittsburgh, PA 15213, illah @cs.cmu.edu, (412) 268-2007

If you have questions later, desire additional information, or wish to withdraw your participation please contact the Principal Investigator by mail, phone or e-mail in accordance with the contact information listed above.

If you have questions pertaining to your rights as a research participant; or to report concerns to this study, you should contact the Office of Research integrity and Compliance at Carnegie Mellon

University. Email: irb-review@andrew.cmu.edu . Phone: 412-268-1901 or 412-268-5460.

Voluntary Participation

Your participation in this research is voluntary. You may discontinue participation at any time during the research activity.

By pressing the "Next" button, I certify that I am age 18 or older, have read and understood the information above, and want to participate in this research and continue with the survey.

2. Before you knew Smell Pittsburgh

* 1. Answer this question based on the time BEFORE you knew about or used Smell Pittsburgh.

Please indicate how much you DISAGREE or AGREE with each of the following statements about your influence on local air quality. Please respond as you really felt, rather than how you think “most people” would feel.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly agree
I felt confident in my ability to help protect local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I was capable of making a positive impact on local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I was able to help take care of local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believed I could contribute to solutions to local pollution problems by my actions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compared to other people, I thought I could make a positive impact on local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I didn't think I could make any difference in solving local pollution problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believed that I personally, working with others, could help solve local air issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It was hard for me to imagine myself helping to protect local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3. After you knew Smell Pittsburgh

* 2. Answer this question based on the time AFTER you knew about or used Smell Pittsburgh.

Please indicate how much you DISAGREE or AGREE with each of the following statements about your influence on local air quality. Please respond as you really feel, rather than how you think “most people” feel.

	Strongly Disagree	Disagree	Neutral	Agree	Strongly agree
I feel confident in my ability to help protect local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am capable of making a positive impact on local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I am able to help take care of local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe I can contribute to solutions to local pollution problems by my actions.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Compared to other people, I think I can make a positive impact on local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I don't think I can make any difference in solving local pollution problems.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
I believe that I personally, working with others, can help solve local air issues.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
It's hard for me to imagine myself helping to protect local air quality.	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

4. Motivations for Participation

* 3. Please indicate how much you DISAGREE or AGREE with each of the following statements. Please respond as you really feel, rather than how you think “most people” feel.

Think about some of the ways you use Smell Pittsburgh to help solve local air pollution problems. Why do you use Smell Pittsburgh?

	Strongly Disagree	Disagree	Neutral	Agree	Strongly agree
Because I think it's a good idea to do something for local air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I enjoy doing it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For the pleasure I experience while doing it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because other people will be disappointed in me if I don't	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I'm concerned about what could happen to people I care about if I don't do anything	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I would feel guilty if I didn't do anything for local air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I'm concerned about what could happen to me if I don't do anything	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

5. Motivations for Participation

* 4. Continued from the previous page...

Please indicate how much you DISAGREE or AGREE with each of the following statements. Please respond as you really feel, rather than how you think "most people" feel.

Think about some of the ways you use Smell Pittsburgh to help solve local air pollution problems. Why do you use Smell Pittsburgh?

	Strongly Disagree	Disagree	Neutral	Agree	Strongly agree
Because I think it's a good idea to protect local air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because it's fun to do it	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I think it's important to take care of local air quality	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I'm concerned about what could happen to local air quality if I don't do anything	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because people I look up to think it's a really good thing to do	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
For the recognition I get from others	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Because I want people to see me as a good person	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Are there other reasons that you use Smell Pittsburgh?

6. Levels of Participation

* 5. How often do you use Smell Pittsburgh?

- At least once per day
- At least once per week
- At least once per month
- Other (please specify)
- At least once per year
- Never use Smell Pittsburgh

6. How did you use Smell Pittsburgh?

[Please select all answers that apply]

- | | |
|--|---|
| <input type="checkbox"/> I submitted smell reports. | <input type="checkbox"/> I downloaded smell reports data from the Smell Pittsburgh website. |
| <input type="checkbox"/> I provided my contact information when submitting smell reports. | <input type="checkbox"/> I discussed Smell Pittsburgh with other people. |
| <input type="checkbox"/> I checked other people's smell reports on the map visualization. | <input type="checkbox"/> I mentioned or presented Smell Pittsburgh to regulators. |
| <input type="checkbox"/> I clicked on the playback button to view the animation of smell reports. | <input type="checkbox"/> I shared Smell Pittsburgh publicly online (e.g. email, social media, news blog). |
| <input type="checkbox"/> I opened Smell Pittsburgh when I noticed unusual smell. | <input type="checkbox"/> I took screenshots of Smell Pittsburgh. |
| <input type="checkbox"/> I paid attention to smell event alert notifications provided by Smell Pittsburgh. | |

Other (please specify)

7. Comments and Demographics

7. Do you have any other comments, questions, or concerns?

8. What is your age?

- | | |
|-----------------------------|---|
| <input type="radio"/> 18-24 | <input type="radio"/> 55-64 |
| <input type="radio"/> 25-34 | <input type="radio"/> 65-74 |
| <input type="radio"/> 35-44 | <input type="radio"/> 75+ |
| <input type="radio"/> 45-54 | <input type="radio"/> Prefer not to say |

9. What is your education level?

- | | |
|---|---|
| <input type="radio"/> No formal educational credential | <input type="radio"/> Bachelor's degree |
| <input type="radio"/> High school diploma or equivalent | <input type="radio"/> Master's degree |
| <input type="radio"/> Some college, no degree | <input type="radio"/> Doctoral or professional degree |
| <input type="radio"/> Postsecondary nondegree award | <input type="radio"/> Prefer not to say |
| <input type="radio"/> Associate's degree | |

10. What is your gender?

- Female
- Male
- Prefer not to say