

# EcoHomeAI

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# Technology Impact Cycle Tool

EcoHomeAI

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## Impact on society

What impact is expected from your technology?

### What is exactly the problem? Is it really a problem? Are you sure?

Pain: people are not aware of the viruses and the poor air quality of their home environment.

Our goal is to alert people to these facts and suggest ways of solving them.

### Are you sure that this technology is solving the RIGHT problem?

We are trying to create a program that can help people by allowing them to attain a better air quality via an AI

### How is this technology going to solve the problem?

It should improve the air quality inside of the houses of the ecovillage and it should achieve this by collecting data from multiple indoor sensors, weather reports and the user. The system should act upon the data that it collected by recommending solutions to any problems that may arise such as dry air conditions. By tracking all the key pollution markers; particulate matter PM2.5, NO2, O3, SO2 and CO gases, you can see a complete and accurate picture of the air you breathe and where improvements could be made.

### What negative effects do you expect from this technology?

NA

### In what way is this technology contributing to a world you want to live in?

It improves air quality and the quality of living in a certain area.

### Now that you have thought hard about the impact of this technology on society (by filling out the questions above), what improvements would you like to make to the technology? List them below.

1. We would like to monitor and assess the performance and status of our program regularly.
2. We could implement a version control system, incase we ever need to increase the range in which our program is active.

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## Hateful and criminal actors

What can bad actors do with your technology?

*This category has not been filled yet.*

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## Privacy

Are you considering the privacy & personal data of the users of your technology?

*This category has not been filled yet.*

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## Human values

How does the technology affect your human values?

*This category has not been filled yet.*

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## Stakeholders

Have you considered all stakeholders?

*This category has not been filled yet.*

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## Data

Is data in your technology properly used?

*This category has not been filled yet.*

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## Inclusivity

Is your technology fair for everyone?

*This category has not been filled yet.*

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## Transparency

Are you transparent about how your technology works?

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## Sustainability

Is your technology environmentally sustainable?

*This category has not been filled yet.*

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## Future

Did you consider future impact?

*This category has not been filled yet.*