

ECCE 2019

Team Name: Mustang Mappers

School: Western University, London Ontario

Member Bios:

Aiden Poole: I'm Aiden Poole, and I am currently in my 4th year at Western University in London, Ontario studying Honours Specialization in GIS. Next year I will be attending Fanshawe College to continue studying GIS.



Jody Yu: Hi, I'm Jody Yu! Currently in my 4th year of Honours Specialization in GIS at Western University, and I'll be continuing on to an MSc in Geography next year. The area of sustainable living has always been a passion of mine, so this year's challenge is especially exciting. I look forward to learning more about Esri's WebAppBuilder and all its potential applications.



Victoria Barlow: My name is Victoria Barlow. I am currently in my 3rd year of an Honours Specialization in GIS at Western University. I am excited for this opportunity to learn more about Esri's Web AppBuilder.



Theme Chosen: Sustainable Communities

Application link:

<https://westernu.maps.arcgis.com/apps/webappviewer/index.html?id=c4bae4859f9e40a0bd205cb05a3049a0>

Video Link: <https://www.youtube.com/watch?v=Dh6E-iBRiGE&feature=youtu.be>

Mission Statement

Sustainable communities are designed to be economically, socially, and environmentally connected while allowing for improvement and adaptation. Our app “Earthling” aims to connect people with sustainable initiatives, contribute new ideas, and organize opportunities. The application allows users to identify and share areas around London that promote sustainability.

Key focus areas:

Transportation

- Biking or hiking

Food

- Owned by locals, using local ingredients
- Reduction of plastics

Shopping

- Zero-waste shop, (eg. Bulk Barn bring-your-own jar)

Groups

- Community gardens, community centres
- Eg. Envirowestern, ReHarvest, Urban Roots London, Zero Waste Forest City

App Characteristics and Usage Tips

Earthling is an accessible interface that allows users to actively participate and contribute to the sustainability of their communities. This can be done by finding sustainable places that a person comes across or adding to the map places a user finds sustainable. Through real-time data collection, and the contribution of many people, we hope to make sustainable communities for everyone to enjoy.

Want to live more sustainably? Connect with the community? “Earthling” is the app that easily allows you to do that.

How to use the app:

1. Click on the add feature tool located along the ribbon on the right side of the buttons.
2. Select the area of focus (transportation, food, shopping, groups).
3. Draw a point on the map for the sustainable initiative.
4. Enter details about the point in the pop-up box.
5. Feel free to add additional comments and a photo of the area.
6. Once completed, click save to submit your contribution.

Data Sources

Only open-source data was used in the creation of this application.

Data used including parks, community gardens, community centres, and bike routes, were collected from the City of London open data catalogue.