

PSU Living Lab Program: Project Profile Form

FORM INSTRUCTIONS

Please review

- Please maintain the heading structure of this form for accessibility.
 - If you are not already in contact with a member of the Living Lab team, please notify livinglab@pdx.edu with your desire to pitch, participate in, or support a Living Lab project.
 - If you are PSU staff pitching a project, contact livinglab@pdx.edu to begin working with a member of the Living Lab team to complete this profile form. The completed form will be used by the Living Lab team to recruit participants.
 - For faculty and students interested in participating in a project that already has a completed profile: email livinglab@pdx.edu to discuss your interest!
 - Whether you are pitching a project or participating in a project, please review the Disclaimer information below.
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PARTICIPATION DISCLAIMER

By agreeing to participate in a Living Lab project, you (staff, student, or faculty):

1. Grant the Living Lab program at Portland State University (PSU) the non-exclusive right to, without changes to the content, copy, display, and distribute the content created as part of this Living Lab project and to make this work available online.
2. As per PSU policy, consent to being photographed (if your name will not be used in connection with the likeness*). If you do not wish to be photographed, you can choose to opt-out so as not to be within the camera's range.

*If you will be identified, or would like to be, an additional consent/release form is required.

PROJECT OVERVIEW

Briefly describe the vision and purpose of this project.

Project title

PSU Bike Commuter Routes Data Collection

Project overview

The purpose of this project is to capture information about the experience of biking to campus, including routes taken and why, safety and hazard considerations, and other factors that shape the overall experience of PSU bike commuters. This information will be used to identify infrastructure and other resource improvements to create a better experience when biking to campus. Potential improvements will help encourage more students and employees to bike to campus. This project will involve designing ways to collect data, capturing that data, and analyzing it in partnership with Transportation & Parking Services (TAPS).

Intended time period for project and/or date when project pitched

This project was originally pitched in 2018 and is still available for interested participants.

PROJECT PARTNERS

Who is the staff and departmental partner or audience for this project?

Project Contact(s) & Title(s) & Full Department Name(s):

Clint Culpepper, Transportation Options Manager, Transportation & Parking Services (TAPS)

Email(s):

clint@pdx.edu

PROJECT INFORMATION

Indicate all themes that apply to this project by placing an X next to reach relevant theme:

Energy Water Purchasing Waste Food Land Use Transportation Climate Action Social
Community Wellbeing Other: (please describe)

Project Background & Context

What challenge, opportunity, or need does this project relate to or fill? Include or comment on how this project builds on prior work.
The Portland Bureau of Transportation (PBOT) is currently working on the Central City in Motion plan, which will include investing in improvements to the Central City transportation system. The results of this data analysis will be used to help advocate for transportation system improvements that benefit the PSU community.

PSU's annual commuter survey helps to capture data on transportation modes used for travel to campus, but it does not currently capture detailed information on the habits, behaviors, or preferences of those arriving to campus by bike or those who would like to bike. There is a strong support system for cyclists at PSU through the Bike Hub, but there is no centralized way to capture the data desired by this project.

Contribution to Sustainability at PSU

Describe how the project supports PSU's and/or your departments' sustainability goals and plans.

This project aligns with TAPS and PBOT's mission to create safe, strategic, and sustainable transportation options in the Central City, at the PSU campus, and for the PSU community. In addition, this work will contribute to and feed into overall transportation data captured by TAPs for use in future decision-making, allocation of resources, educational campaigns, and more. Transportation is a key sector of PSU's institutional greenhouse gas emissions – enhancing opportunities for alternative transportation is an important part of reducing emissions.

Outline of Project Details

Describe tasks and activities involved in the project. Common tasks include research or literature review; data collection; design, proposal, and recommendations development, and more.

Final project tasks will be decided in partnership with participating faculty and students, but will likely involve a combination of the following:

- Review of existing data regarding PSU bike commuters
- Development of data collection tool(s) to capture information from current cyclists and potential future cyclists. These data collection tools may include intercept surveys at areas where commuters park and lock their bicycles or remote data collection techniques like surveys.
- Using the data collection tool(s) collect data
- Summary and analysis of collected data
- Develop ideas about potential improvements to aid biking to campus that could fall under the Central City in Motion program or other planned improvements

Data collection techniques should help answer the following questions: what route do cyclists take to arrive on campus? What additional routes would they like to have available? What barriers exist to alternative routes?

Anticipated Outcomes

Describe the desired outcomes of this project, including qualitative and quantitative outcomes.

Outcomes for this project include data collected about bike routes being taken to and from campus, an increased understanding of cyclist route preferences and safety considerations, and ideas for further advocating for cyclist safety and promotion of this zero carbon form of transportation.

Required Deliverables

Indicate specific deliverables, such as photographs; prototypes; etc. All Living Lab projects require a written and verbal form of communicating project process and outcomes.

- Data collection tools (mapping, surveys) and both data summaries and raw data collected
- For any analysis completed, copies of data analysis worksheets, with easy to follow calculations

Ideal Project Start and Completion Date

Indicate the optimal timeline for the project, including any time-sensitive aspects.

This project can occur anytime, but the final scope may depend on the status of Central City in Motion projects as well as the annual PSU transportation survey.

Special Considerations

List special equipment, liability considerations, access restrictions, etc.

While this project ideally includes intercept surveys on campus while commuters arrive on bicycle, data collection can also happen remotely. Intercept surveys can be prioritized for a time when that is safe.

Potential Information Sources

Specify documents, links, literature, contacts or other sources to inform project work.

- [Central City in Motion](#) website
- Annual PSU commuter survey data
- City-wide or TriMet user data
- Campus maps

Student & Faculty Qualifications

Describe desired experience, background and skills that project participants should have in order to successfully complete the project.

- Knowledge of planning concepts, data analysis, mapping
- Interest in transportation and transit infrastructure
- Interest in alternative transportation

Budget & funding (if any)

List known funding sources, and/or projected resource needs for the project.

Existing commuter survey data and campus maps can be provided by TAPS with partners from CPO. Access to specialized software to be discussed as needed - GIS is available in PSU computer labs and in the TAPS office.