Map2Green

Taylor Anderson & Olympia Koziatek – Simon Fraser University

Mission Statement

In response to increasing pressure for more sustainable practices, the City of Vancouver aims to be the greenest city by 2020. Map2Green is a suite of web apps designed to provide a tool for city planners to help the city meet this goal. The app enables city planners to identify areas that need improved access to sustainable transportation infrastructure including biking, walking, and public transit routes or need enhancements to existing transportation infrastructure. Map2Green uses citizen-informed data through its associated Map2Green Collector app that gathers real-time information through mobile or desktop platforms to find high traffic areas with low access to sustainable transportation. This app is an important and meaningful app for city planners as it can help inform the city of areas that need new or enhanced sustainable transportation infrastructure.

About Map2Green

Map2Green incorporates a variety of ESRI-based products and is appealing because it provides a streamlined workflow for city planners in a real-time data environment. The suitability map included in the app was generated in ArcGIS and ranks accessibility locations in Vancouver based on their distances to biking, walking, and public transportation infrastructure. Map2Green Collector uses Collector for ArcGIS to collect citizen route data. Map2Green was designed using Esri WebApp Builder and Web App Builder developer edition and bridges functionalities of all products into a single interface for the user.

Map2Green can be accessed at: https://www.sfu.ca/geog/ESRI_app/

References:

City of Vancouver. (2012). *Greenest City 2020 Action Plan*. Vancouver, Canada. Retrieved from: http://vancouver.ca/green-vancouver

United States Environmental Protection Agency. (2016). *Green Vehicle Guide*. Retrieved from: www.epa.gov/greenvehicles

Software Used:

Adobe. (2017). Adobe After Effects, Mountain View, California, United States

Adobe. (2017). Adobe Illustrator, Mountain View, California, United States

Adobe. (2017). After Photoshop, Mountain View, California, United States

ESRI. (2013). ArcGIS Desktop version 10.2 Redlands, CA, USA.

ESRI (2017). ArcGIS Online AppBuilder Developer Edition, Redlands, C, USA