Combining bicycle data sources: intelligent solutions to enable modal shifts

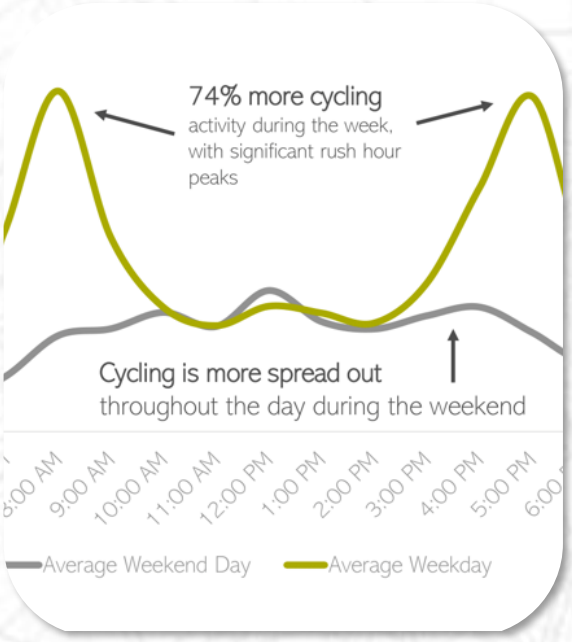
Cycling Insights

François CARDIN, Sales Representative for Be Counted, Eco-Counter

2WALKandCYCLE eco counter

Cycling Insights

Three Leverage Points



Cycling Network

Cycling Usage

Cycling Community

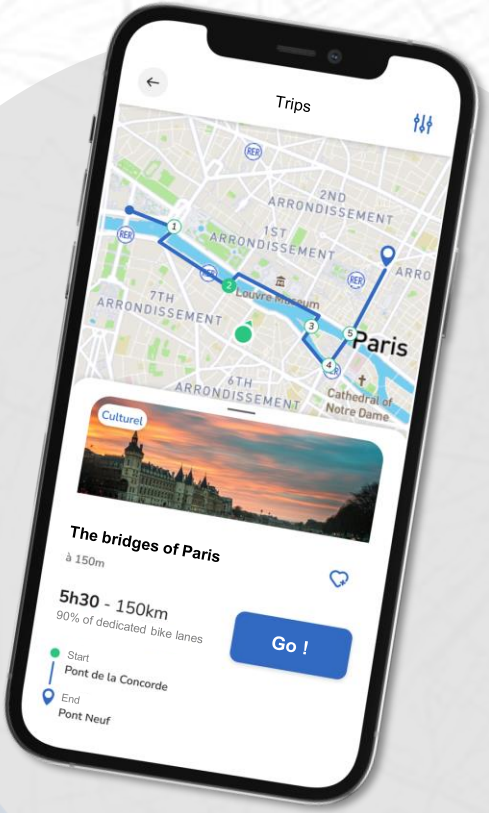
Cycling Insights

Two leaders in cycling data collection

Ground truth bike counts
collected by automatic counters

GPS data collected by
the Geovelo mobile app

Geovelo, the free app for safe cycling routes



Best cycling routes:

- Safe and reliable cycling routes
- Based on the profile and bike

By cyclists, for cyclists:

- Catalog of rides and trips
- Detection of hazardous areas

Citizen’s application :

- Collective challenges
- Users contributions

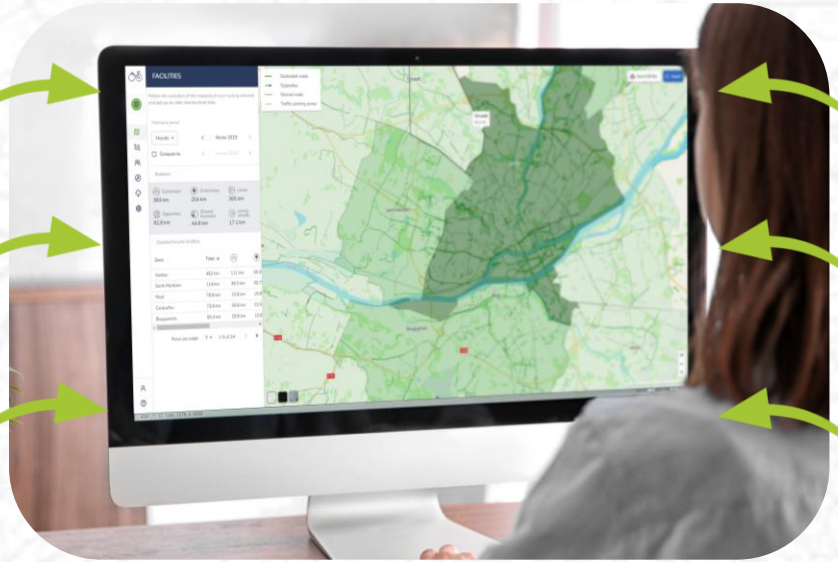
Cycling Insights

A all-in-one solution to enable modal shift

Bike counts

Existing cycling infrastructures

GPS Traces



New cycling infrastructures

GIS data

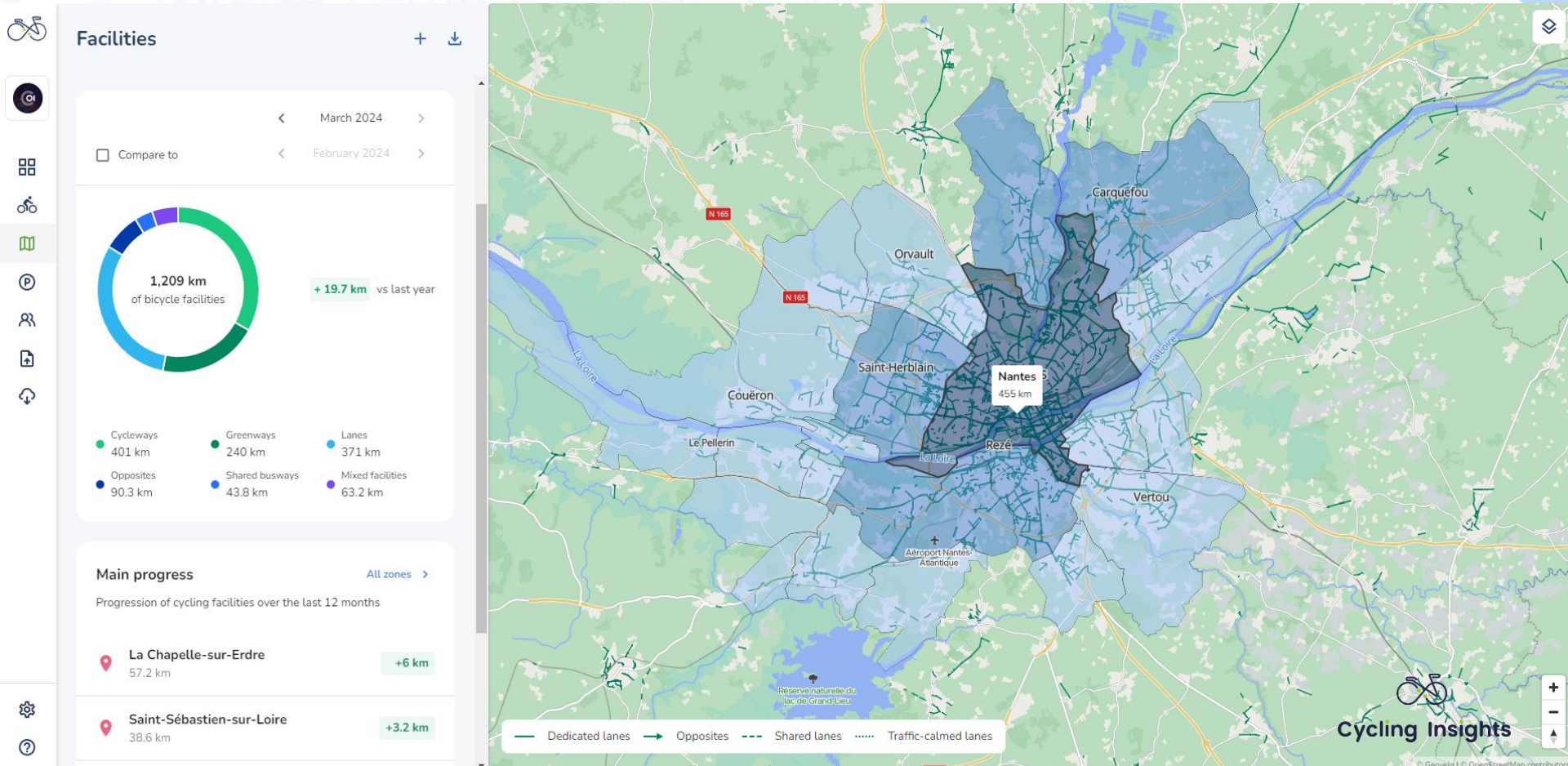
OpenStreetMap

Innovating dashboard combining ground truth data and GPS traces

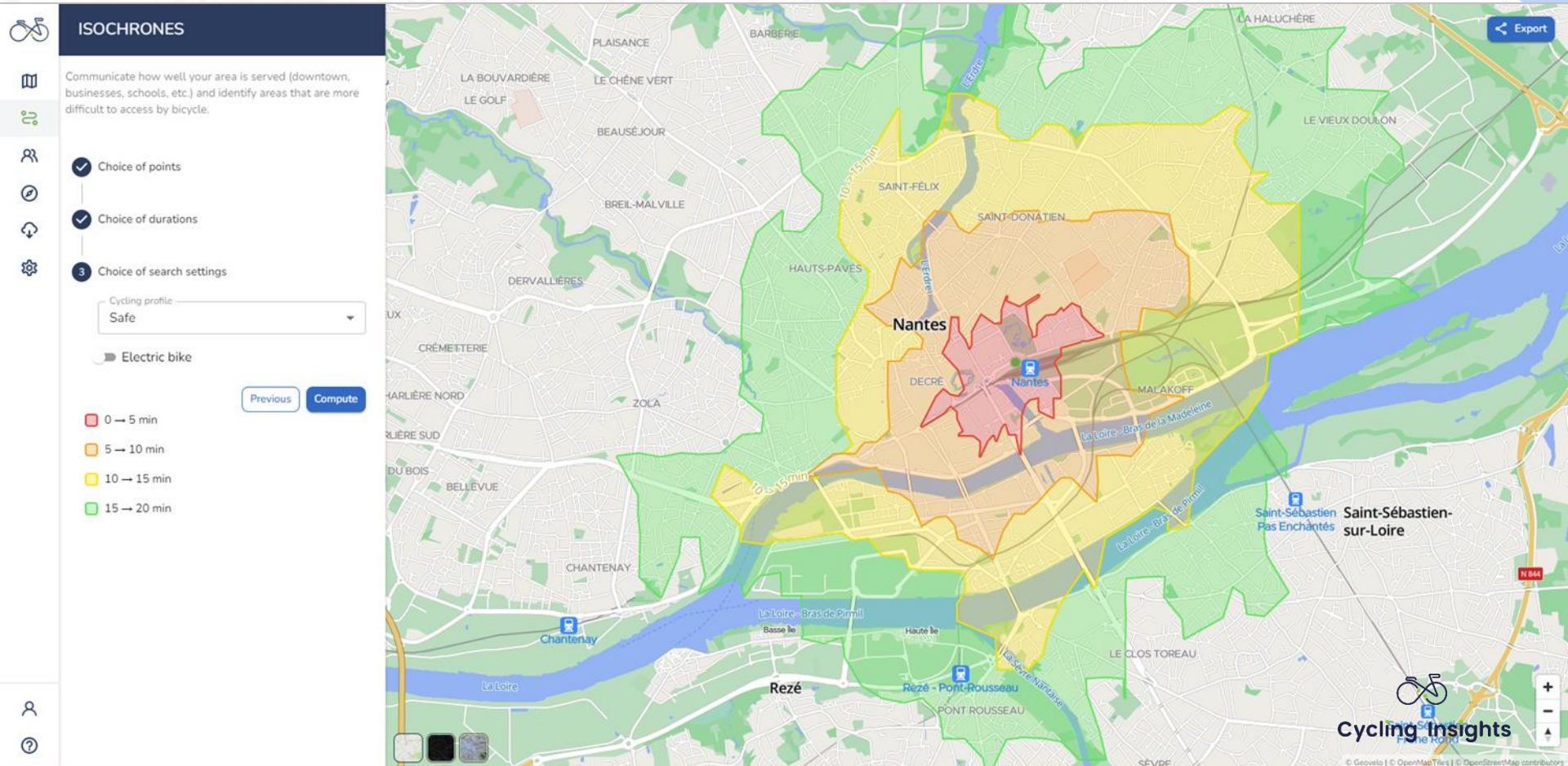
Cycling Insights

Cycling Network

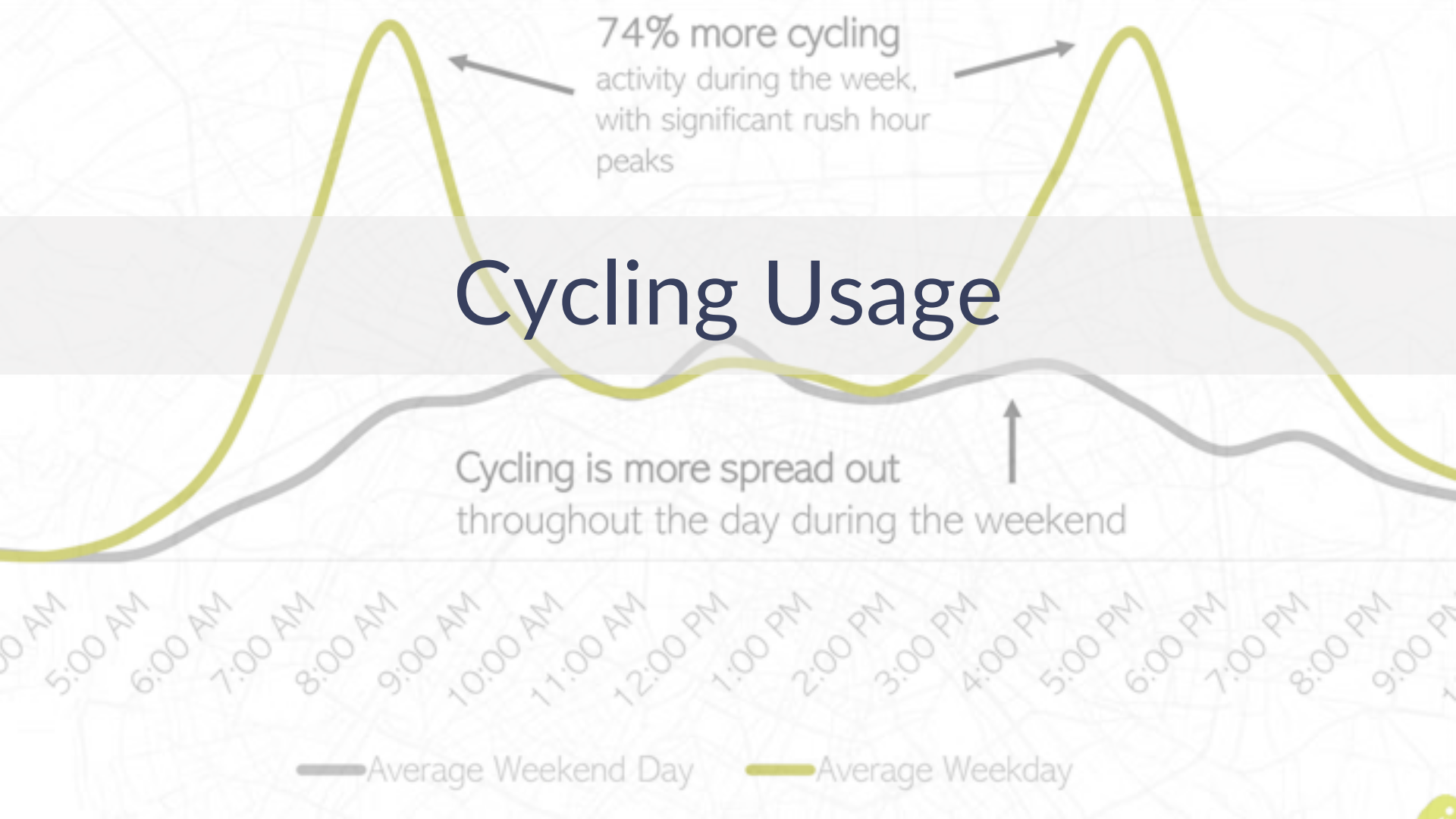
Cycling Network



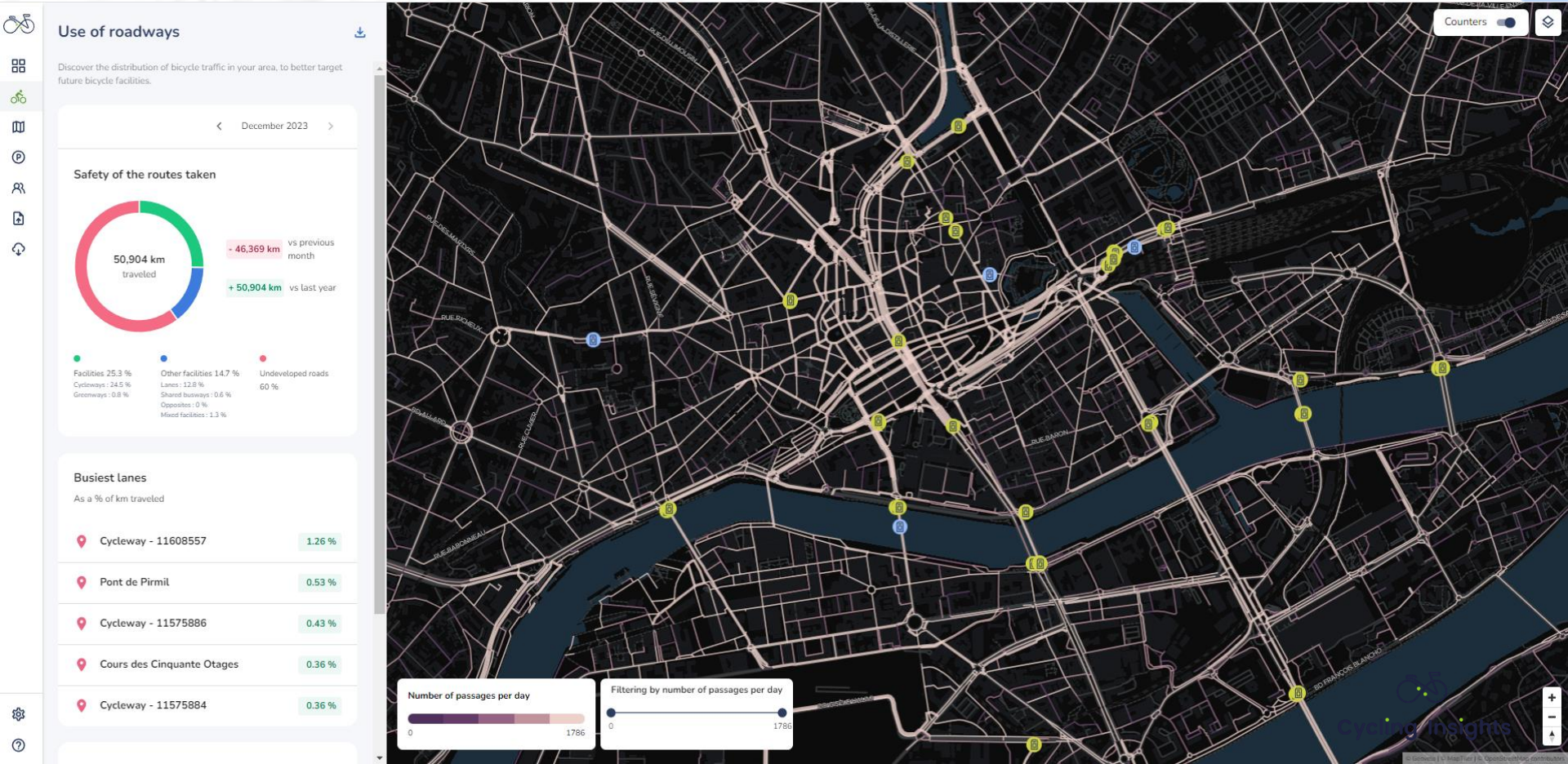
Cycling Network



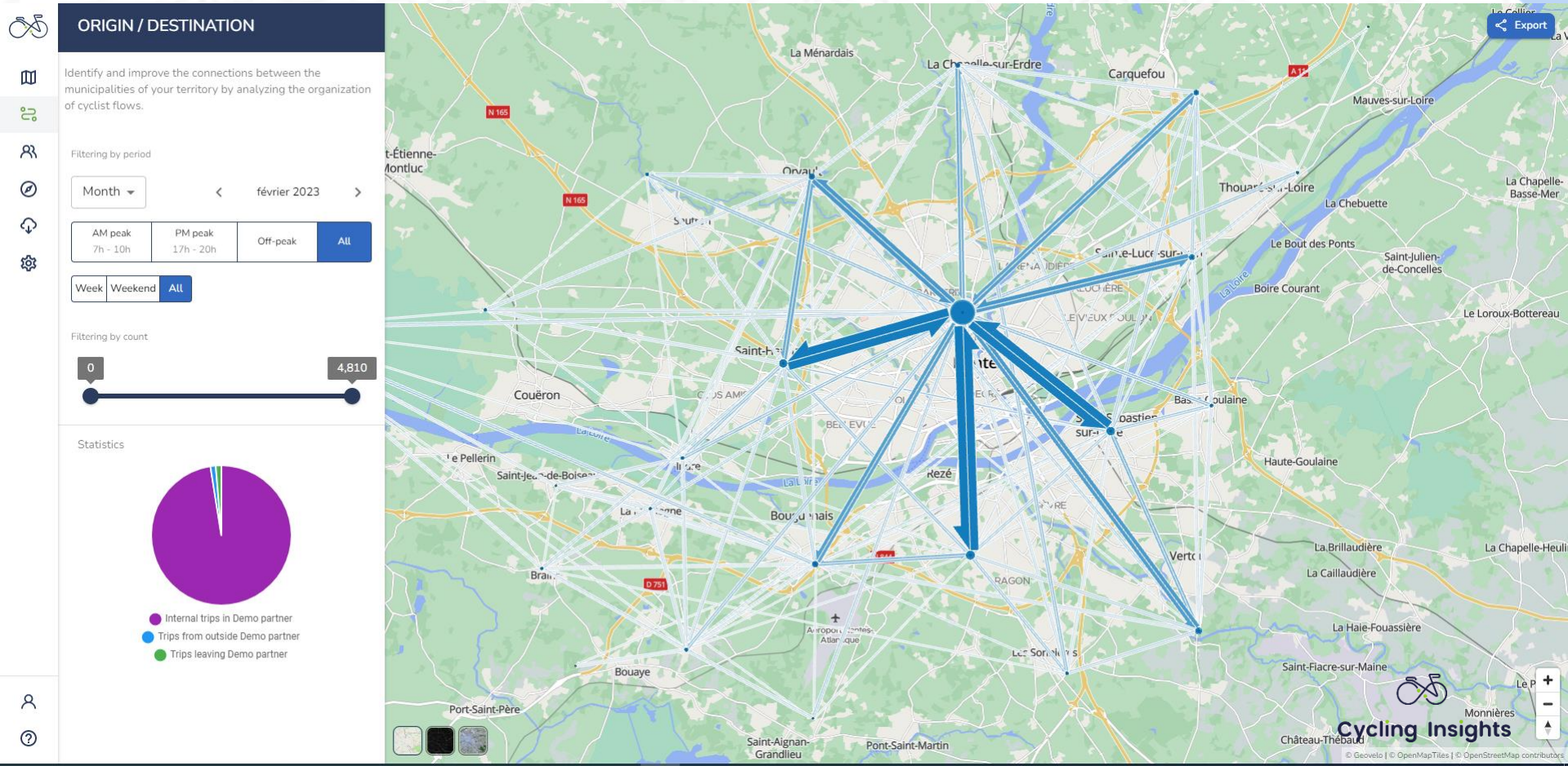
Cycling Usage



Cycling Usage

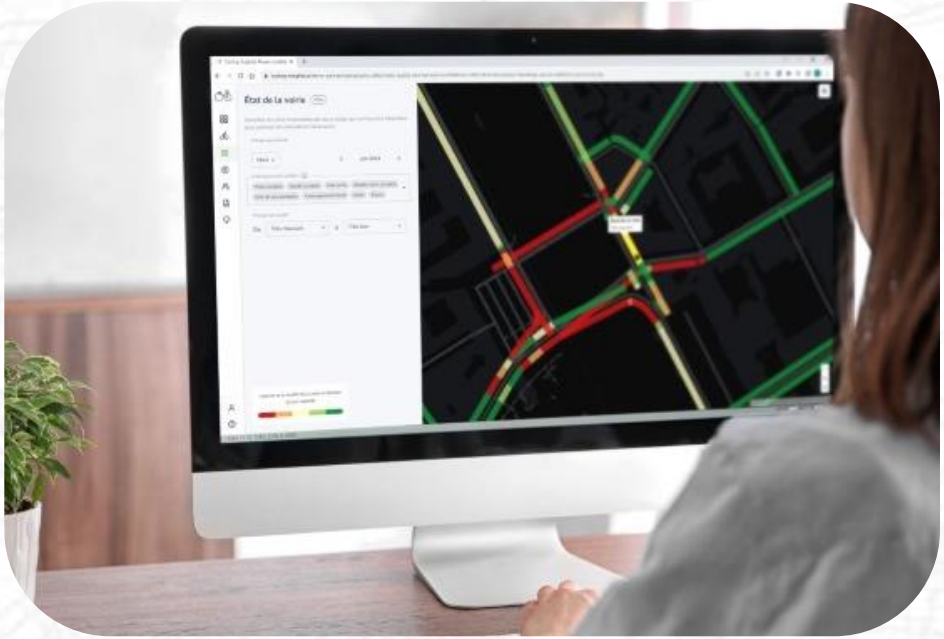


Cycling Usage



And go further

+ Safety
+ Stop time
+ Speed
+ Road Quality
+ Desire lines

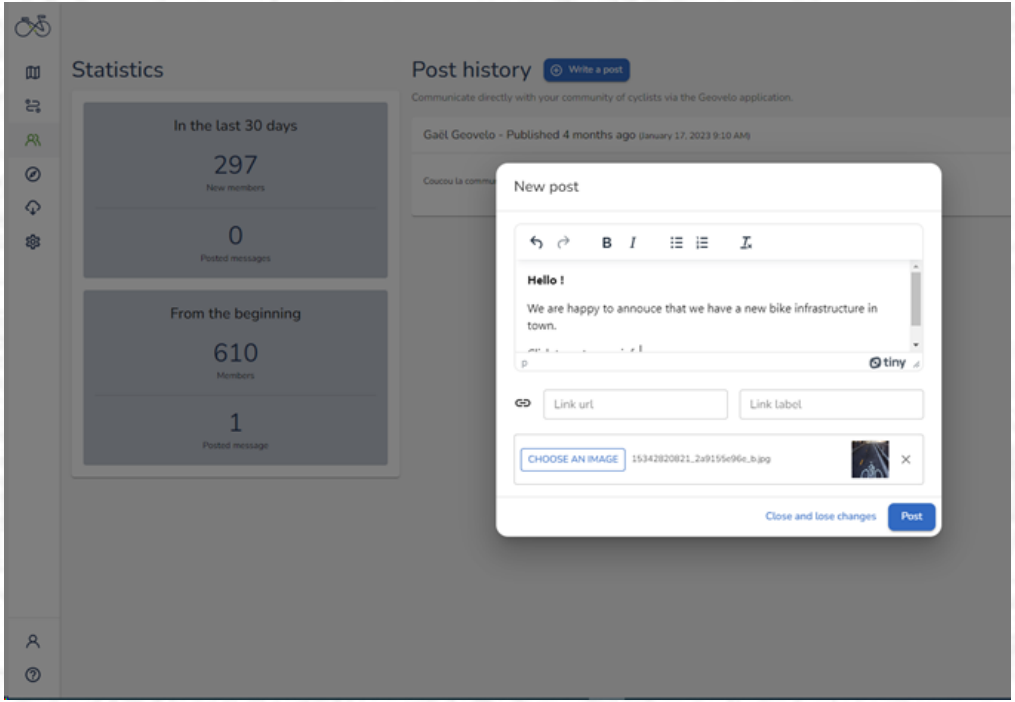


Cycling Insights

Cycling Community

Cycling Community

Communication from the city



Cycling Insights

Cycling Community

Communication from the city

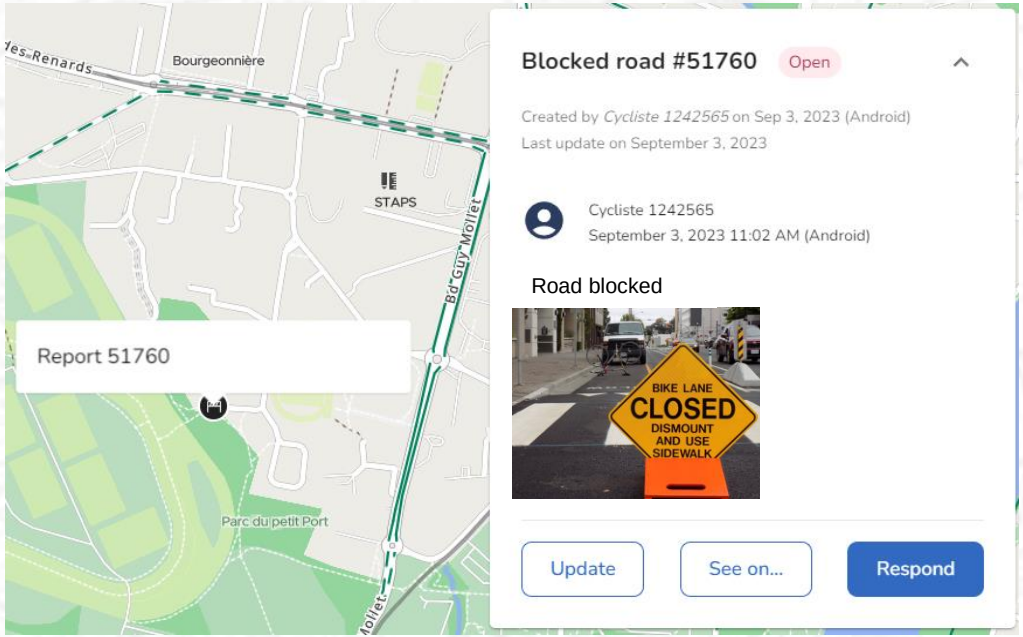
Challenges

Cycling Community

Communication from the city

Challenges

Contributions & Reports



Cycling Insights

Hints from City of Montpellier, France

7.6% in 2020

+3.6 pp between 2014 -2020

Data provide objective arguments to guide development choices

Arnaud Grenier

Active modes infrastructures -Montpellier

A participative tool that relies on the OSM community and the municipality

Thomas Lavaur

Bike plan manager - Montpellier

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