



# Bike Data Project

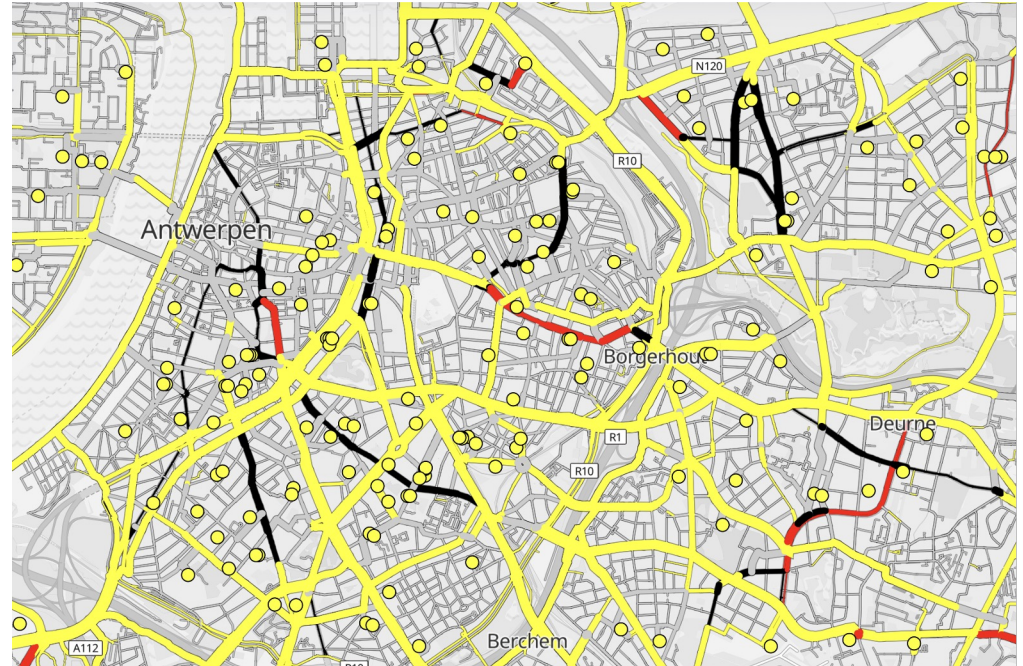
[www.bikedataproject.org](http://www.bikedataproject.org)



# I'm Ben!

- Founder of ANYWAYS, a mobility scenario management tool with support for cycling, <https://www.anyways.eu/>
- Expert route planning software, <https://github.com/itineror/>
- Started OpenStreetMap Belgium local chapter.

## Recent work: Bicycle safety scoring



<https://www.anyways.eu/map/?#12.57/51.21621/4.45193>

# BIKESVSCARS on Netflix



<https://vimeo.com/ondemand/bikesvscars>



## ***BIKE DATA PROJECT***

The Bike Data Project aims at:

- collecting **bicycle GPS tracks**, coming from different applications and sources
- to **empower local communities and decision-makers** in making cyclists more visible and cities more liveable

# Why Bike Data Project

We are a project with an activist approach, let's take action ourselves:

- Taking back control of our own data.

- Make cyclists visible in the data-space.

- Contribute your data to a commons, an open non-profit project, not just another private company or government agency.

- Transparent and usable GPS data about cyclists

  - We know what we have and have no ulterior motives meaning we can be transparent and honest about data quality.

## ***Open data!***

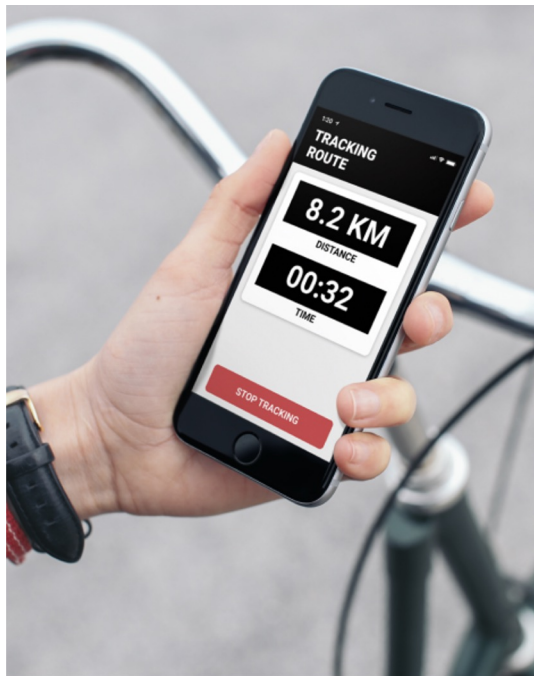
*Open means anyone can freely **access, use, modify, and share** for any purpose.*

*...but privacy!*

[opendefinition.org](https://opendefinition.org)

# How it works

## bikedataproject.org



Connect your  
existing account

STRAVA

FITBIT

Connecting your account is temporarily not available, subscribe to our newsletter and we will inform you when we are back up and running or just visit us again later.

Upload your data

GPX

Uploading your GPX tracks is temporarily not available, subscribe to our newsletter and we will inform you when we are back up and running or just visit us again later.

## Share your bike data

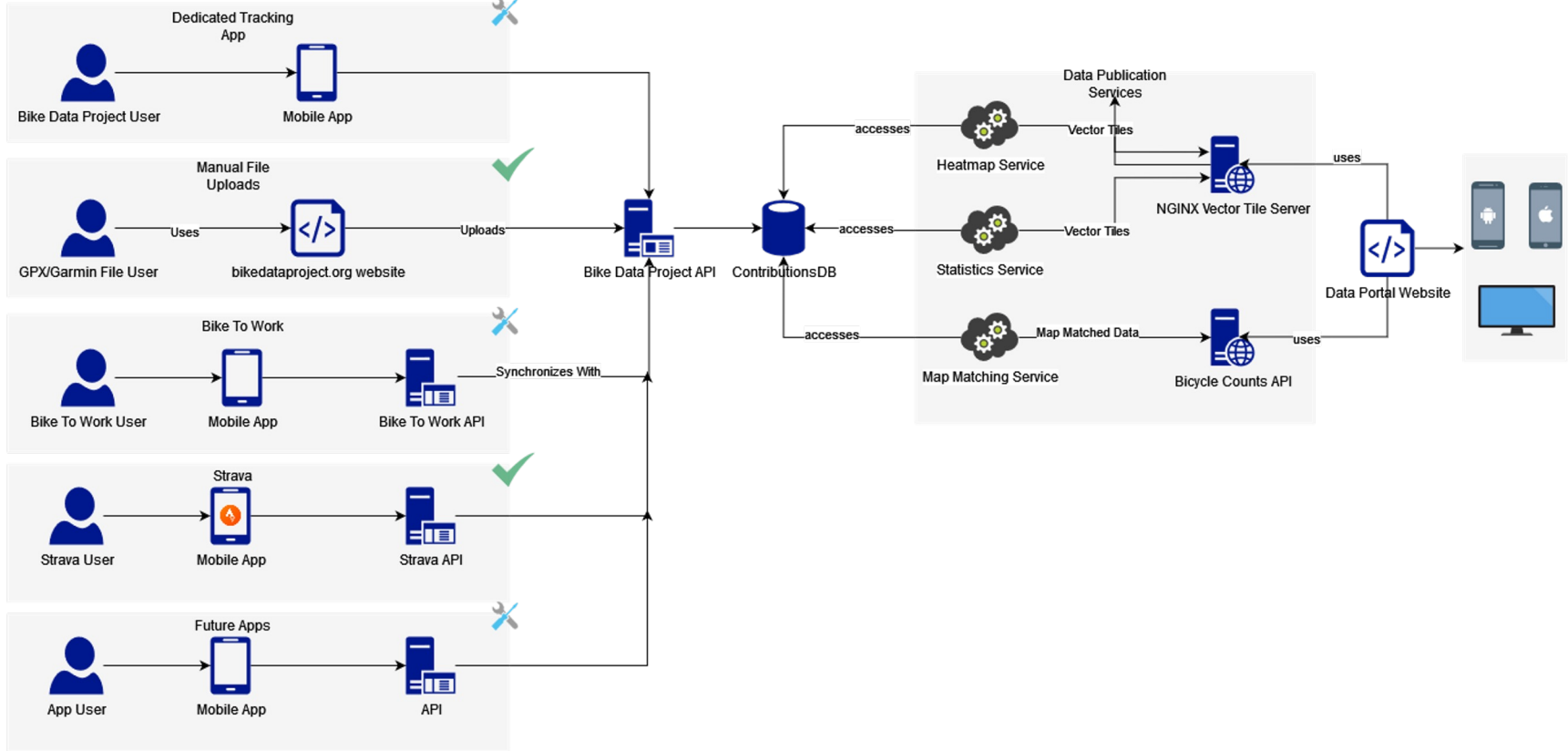
There are several ways you can contribute to the Bike Data Project. For now, you can either connect your Strava account or upload your Garmin files. Once your app is connected you can just carry on as usual and your rides will be automatically uploaded to the Bike Data Project platform.

What if you aren't using any of the listed apps yet? You will be able to download and use the Bike Data Project app soon. Moreover, we're also working on the integration of other cycling apps!

# How it works



GARMIN





# Think globally, act locally

Global open data platform

## Collected data worldwide

**376.884**

rides collected

**6.081K km**

distance collected

**16 km**

average distance

**14 km/h**

average speed

**67 min**

average duration

**791K t**

CO2 saved

Local community campaigns and events



# Bike Data Project

## In partnership with Brussels Mobility


 **Bike Data Project**  
@bikedataproject

3,2,1... the Bike Data Project is live! 🎆

With data collected by citizens, we want to show where and when people ride their 🚲. Our goal is to make cities better adapted to cyclists with #opendata!

➔ Go to [bikedataproject.org](https://bikedataproject.org) to connect your 🚲 app & start contributing!



 **Bike Data Project**

**TRACK YOUR RIDES.**

**CONTRIBUTE YOUR DATA.**


[www.bikedataproject.org](https://www.bikedataproject.org)

 Ben Abelshausen and 9 others

12:38 PM · Oct 5, 2020 · Twitter Web App

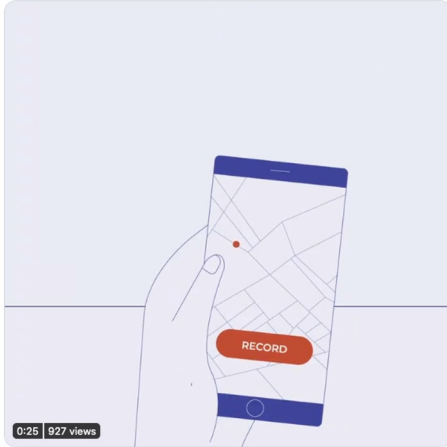
||| View Tweet activity

56 Retweets 14 Quote Tweets 72 Likes

 **Bike Data Project**  
@bikedataproject

You can help us collect cycling data to make cities more bike-friendly! 🤩🚲 How? It's simple, let us explain! 📌

➔ [bikedataproject.org](https://bikedataproject.org)  
#OpenData #BikeData #cycling



0:25 | 927 views

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16 Retweets 3 Quote Tweets 20 Likes

# Use social media to reach cyclists

## Encourage users to link accounts or upload data



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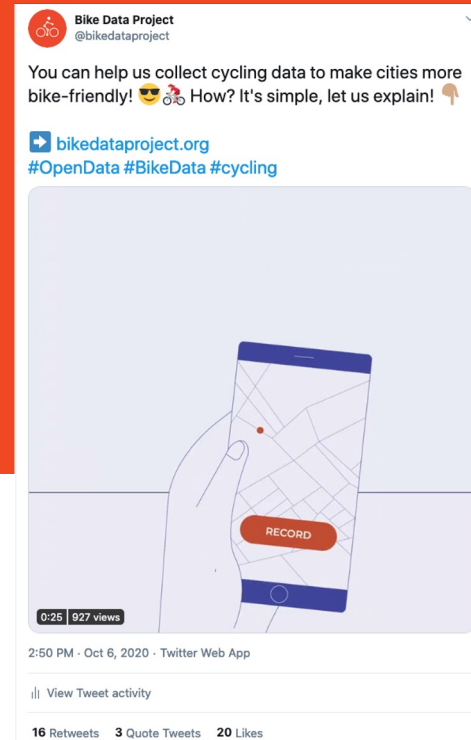


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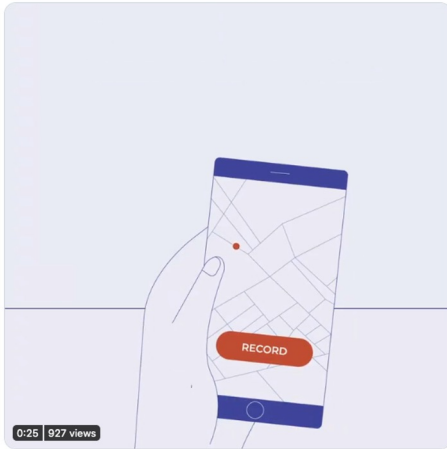
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[#OpenData](#) [#BikeData](#) [#cycling](#)



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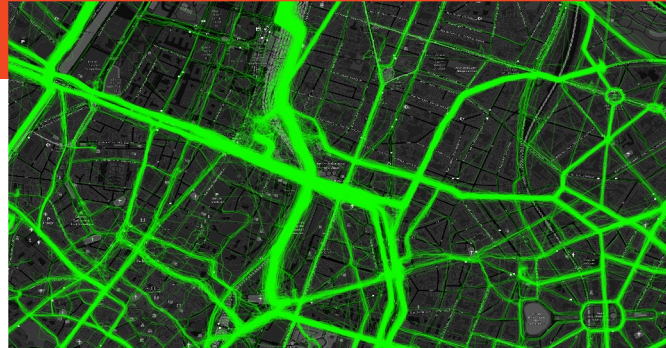
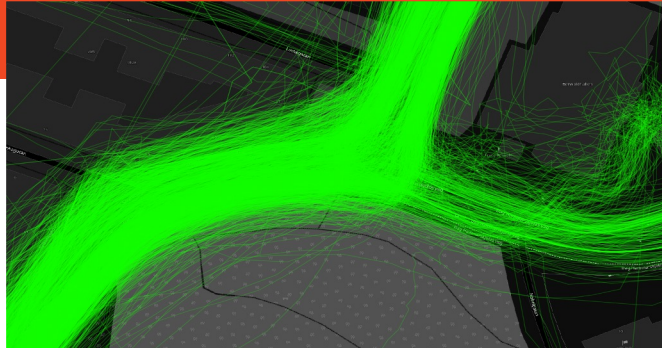
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In partnership with Brussels Mobility

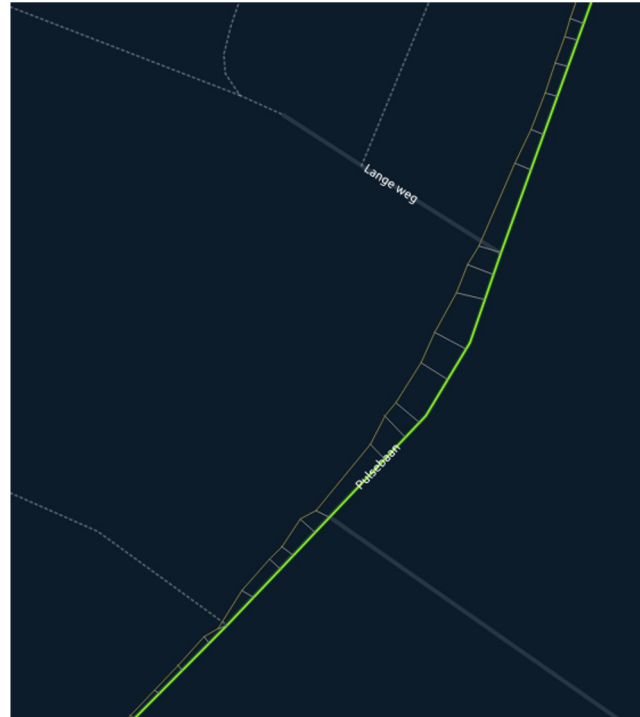
Over 20.000 trips were collected in Brussels

The only effort was social media outreach.

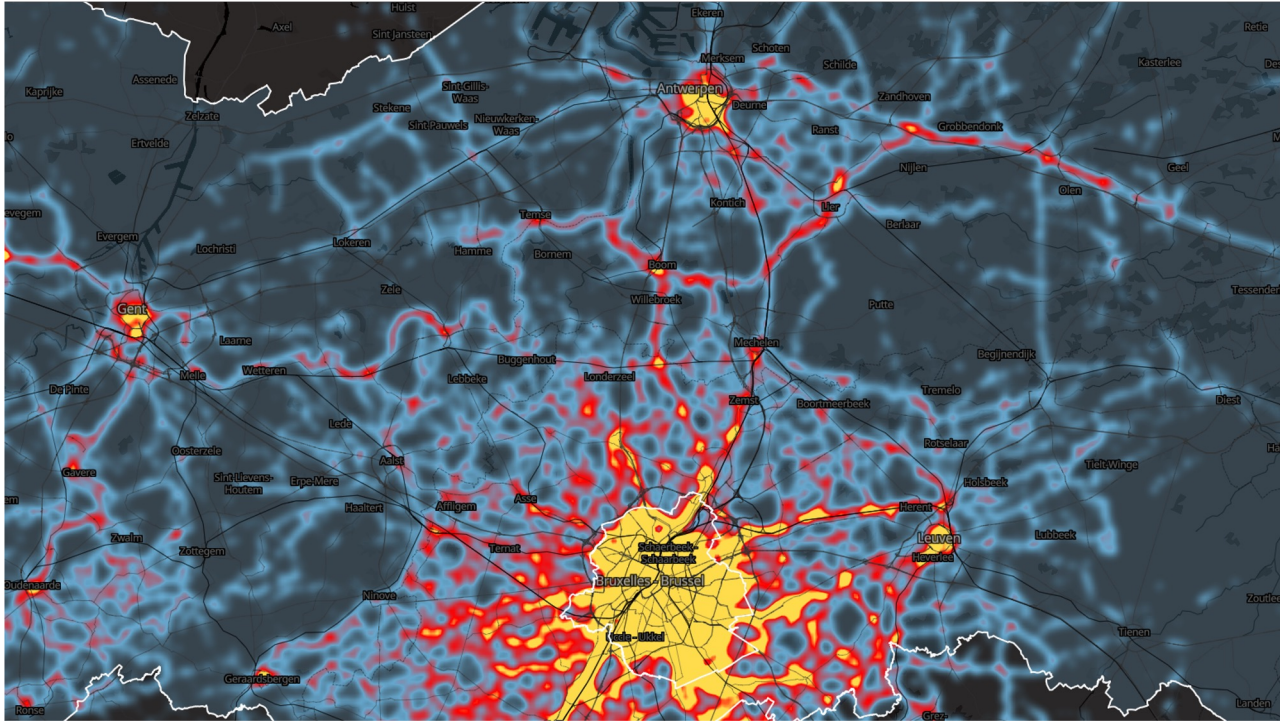


# Open Origin-Destination data

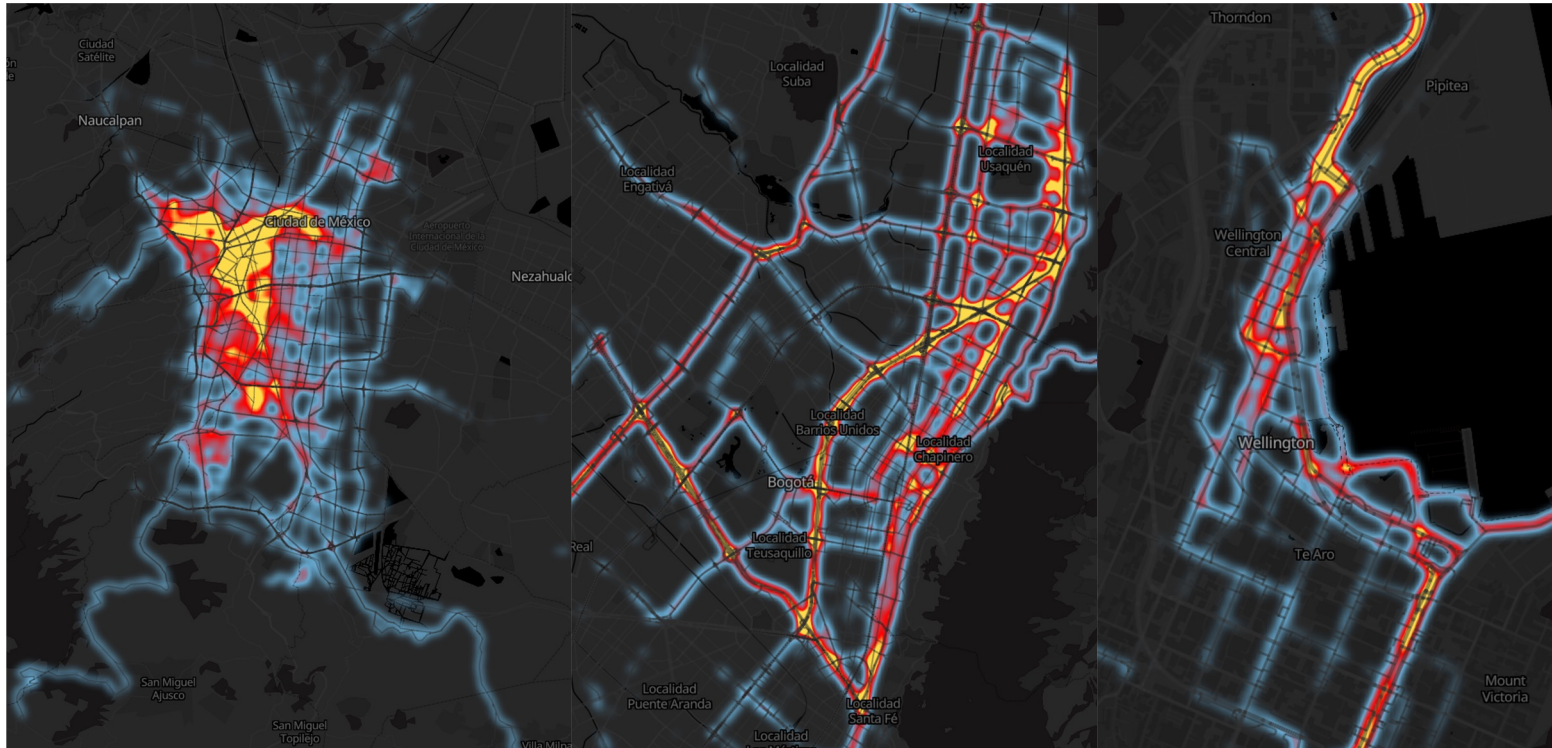
## Map Matching



# Open Global cycling heatmap



# Open Global cycling heatmap



# Main advantage of using existing apps

Easy to contribute for cyclists 🚴🚴🚴

Also history can be shared.

Accounts stay linked, future trips are automatically synced.

A continuous flow of data and a partial history.



# Challenges of using existing apps

Most apps are sports-related apps.  
Require active tracking.

There are passive tracking applications like Fitbit but still these are more focused on a specific audience.

Possible solutions:

\*any\* app or datasource can be linked to Bike Data Project.  
We developed a Bike Data Project white label app.

## Lessons learned

Data belongs to users of Strava but they cannot give their data to Bike Data Project via the Strava API

A legal grey area.

Everyone wants this type of data but very difficult to fund such a basic infrastructure project.

We need basic demographic data about cyclists, think age, gender, etc.

It is difficult to manage this project and onboard partners because of the privacy issue.

**YOU CAN HELP!**



# Thanks!

Questions // remarks?

Get in touch at

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**Ben Abelshausen**

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<https://www.linkedin.com/in/benabelshausen/>