Invitation to the

Bicycle Data Workshop in the City of Copenhagen

February 20th 2017

09:00 to 18:00

House of Innovation in Copenhagen

Halmtorvet 27

Dear recipient,

The Technical and Environmental Administration of the City of Copenhagen is pleased to invite you to a workshop on solutions for collecting and analysing big data for cyclists.

The Bicycle Data Workshop will take place from **09:00 to 18:00 on February 20th 2017** at the House of Innovation in Copenhagen, Halmtorvet 27. Read below for more information.

Please RSVP to Jos van Vlerken cz9y@tmf.kk.dk by Friday, February 10th 2017.

Kind regards,

Soren Bom & Jos van Vlerken

Traffic Department

Technical and Environmental Administration

City of Copenhagen

eit Climate-KIC

CITY OF COPENHAGEN

Background and Motivation

Do you want to solve one of the greatest challenges in the daily traffic management of the city of Copenhagen and increase the understanding of cyclist behaviour and movement through the city? Then join us for the Bicycle Data Workshop in Copenhagen.

We invite all interested companies and academic institutions focusing on technology, cycling, ITS or data to join the workshop. We also welcome cyclists' organizations and other cities that have an interest in using big bike data to improve bicycle infrastructure and services.

The goal of the workshop is to find ways to gather real time big data on cyclist flows, travel times and routes, providing insight into how and when cyclists are riding through the city. This type of data exists for car traffic and public transport. But for cyclists it does not yet exist in the quantity and quality necessary for the daily traffic management purposes in Copenhagen. If this challenge is solved for Copenhagen, the solution could be exported to other cities such as Amsterdam, London, Barcelona and New York that also want to improve bicycling infrastructure.

The city of Copenhagen has experimented with and reviewed different sources and techniques for collecting bicycle data, including RFID sensor and data gathered from individual apps, but without satisfactory results.

Now we are looking for a new and maybe even disruptive approach to gathering cyclist data. The data will be used in our newly introduced city traffic management system. At the workshop we will strive to answer three questions:

1. How can we gather big data of high quality from the cyclists?
2. How can the data be used for daily traffic management purposes?
3. Which business case can be developed around the solution?

We want you and other experts to form one or more ideas on how to take on this challenge and build a case for business, not only in Copenhagen, but also in other cities around the globe.

The workshop

- We will provide insight into the challenge and purpose of this project.
- There will be a walkthrough of the different solutions tried out in the City of Copenhagen and the reason we were not satisfied.
- Cooperation between participants will be encouraged in creating different solutions.
- At the end of the day the best solution will be chosen, which will be used for writing a Climate KIC Pathfinder proposal for additional funding to develop the solution.

Benefit

The best solution will be part of a Climate KIC Pathfinder application for further funding and development. Going forward, participants will cooperate with the city of Copenhagen in developing the bicycle data solution. If successful, the solution will be showcased at the 2018 ITS World Congress in Copenhagen, to a large international audience.

About Climate KIC

This workshop is funded by Climate KIC. Climate KIC is a Knowledge and Innovation Community (KIC) created in 2010 by the European Institute of Innovation and Technology (EIT). The EIT is a body of the European Union whose mission is to create sustainable growth by reinforcing the innovation capacity of the EU.