



SMART TECHNOLOGY AND DATA ON CYCLING

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A woman wearing a dark jacket and a helmet is riding a bicycle at night. The background is a blurred city street with lights. A semi-transparent city map is overlaid on the image. The text "LIGHTING THE WAY FOR SAFER AND SMARTER CITIES" is written in white, bold, sans-serif font across the center of the image.

LIGHTING THE WAY FOR SAFER AND SMARTER CITIES

Source: See.Sense


BACKGROUND

- “Currently, cyclists are anonymously, individually competing with other urban transport systems. These cyclists are on the whole “un-seen”, “un-heard”, un-considered. Urban transport planners have little accurate, comprehensive way to count, monitor, and take into consideration the real-time movement of citizen cyclists through the urban environment. Which means they have little knowledge of how to improve the situation.”

European Cyclists’ Federation, “Towards a Smarter Cycling. On the brink of a Smart (R)evolution”

Source: <https://ecf.com/what-we-do/cycling-new-technologies/towards-smarter-cycling>

QUESTIONS

- **What is the (potential) impact of using smart technology for collecting cycling data on policy, planning and advocacy?**
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- **What data on cycling is already available? who produces it? what data is most important and what important data is missing? why? Is there a role for smart technology?**

Smart technology: ICT and IoT solutions – cameras, GPS trackers, sensors, radars.

CASES

- Dublin
- Manchester
- Copenhagen

-----Fieldwork completed-----56 interviews-----

- Amsterdam

FIRST INSIGHTS

- Enthusiasm about the impact of smart technology is moderate
- Challenges around the collection and use of data
 - “Bikes behave differently” [than cars]
 - Representativeness, accuracy
 - Maintenance
 - GDPR
- Data is not (sufficiently) used: lack of capacity, connection between actors
- Data as **empowerment** – also in Copenhagen

TER DISCUSSIE

- Wat zijn jullie ervaringen met/verwachtingen van het gebruik van slimme technologie voor fietsdataverzameling?
- Welk soort fietsdata vinden jullie belangrijk/van invloed?
- Zijn er fietsdata die potentieel belangrijk/invloedrijk kunnen zijn maar die nog niet beschikbaar zijn? Is er een rol voor de slimme technologie daarin?