Participation and Trial Involvement

- 38% participation said they expected to cycle more in the future if they had an e-bike available.
- 76% would cycle more in the future if they had an e-bike available.

Smart E-Bike Monitoring System: SEMS

- Manage summary of trial participants on the project website.
- Secure computer server at the University of Brighton.
- Anonymised data storage for analysis by researchers.
- 607 survey responses from 241 potential participants.
- 88 commuters loaned bikes for 6-8 weeks.

Realtime Data

- Used safely, a phone can be placed on the handlebar for three optional features:
  1. Display of your own ride data.
  2. Sharing your data with other trial participants.
  3. Additional data gathering e.g. photos, videos, texts.

Participants spent an average of 2 hours a week on their bike.

- 29% of participants said they would cycle to work at least one day a week increased from 29% to 73% if they had an e-bike available.

Policy Opportunities

- Explore ways to reduce the initial cost of an e-bike.
- Further investment in supporting infrastructure.
- Develop potential for technology and innovation.

Major Barriers

- Weather
- Money
- Weight
- Traffic

Smart E-Bikes: How Commuters & Communities Engage with Electrically Assisted Cycling

About 100 participants / more than 1100 days of bike use / more than 9500km cycled.

“Everyday I was getting faster and faster to work.”

“If you told me 10 weeks ago that I’d be cycling 15 miles a day, I would have said there’s no physical way I could do that.”

20% less car miles were driven.

147 people self-reported an increase in physical activity during the trial.