Floating bicycle data

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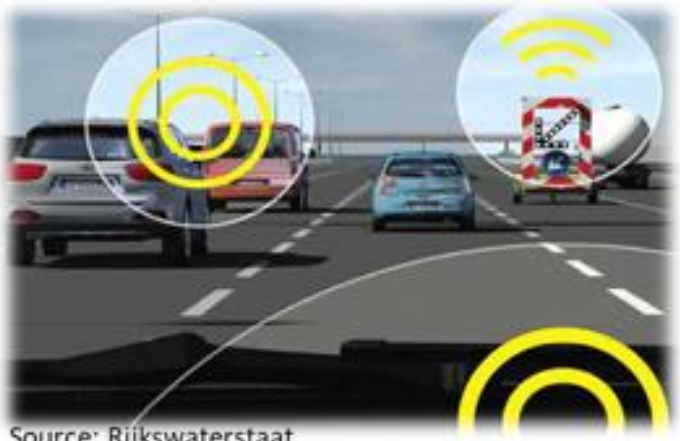
DUBAI 2024

If you think about ITS … it probably is about motorized traffic!

Floating Car Data

Source: Storey & Holtom

Connected Vehicles



Source: Rijkswaterstaat

Compact Truck Parking

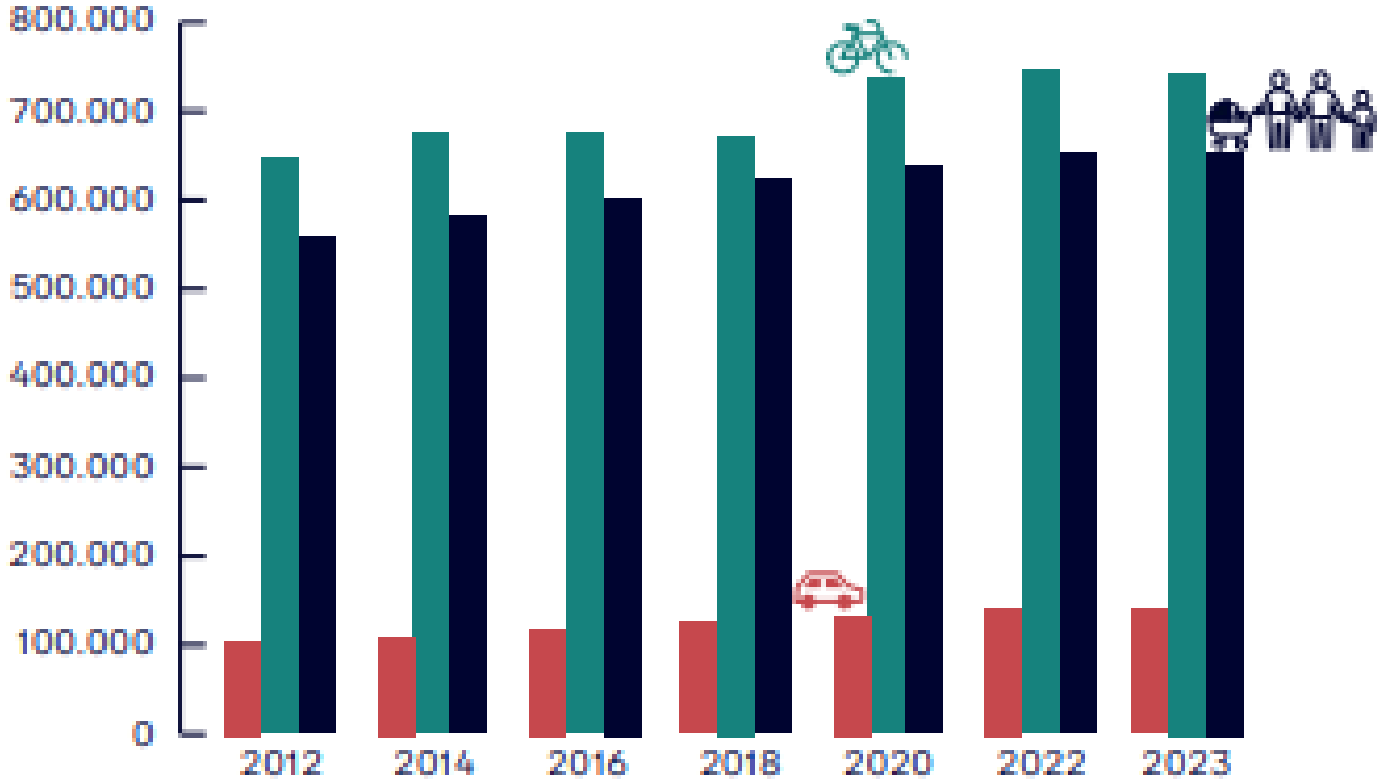
VMS for Car Traffic

Source: wegenforum.nl

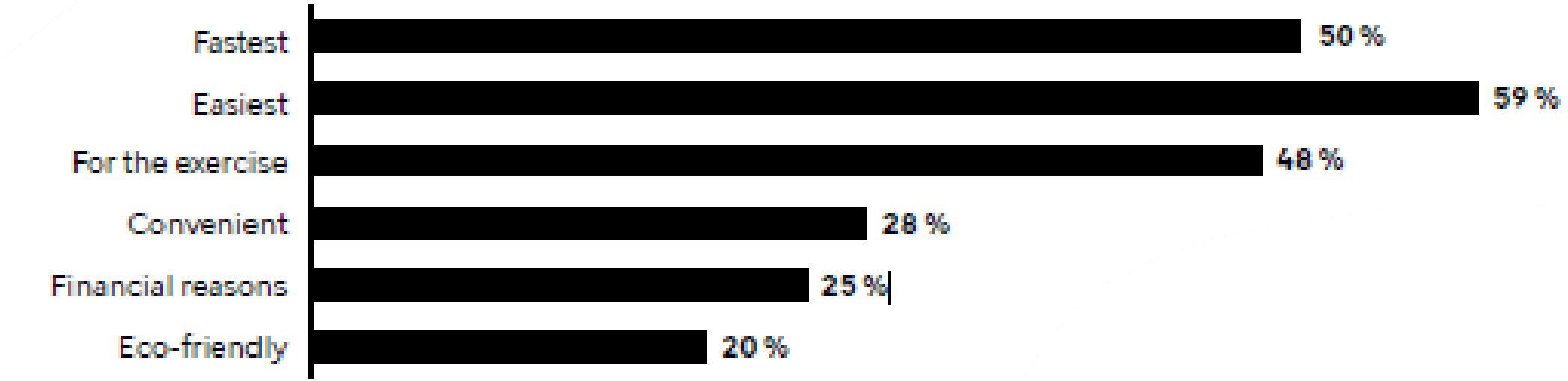
Facts on cycling in Copenhagen
Evolution in population and vehicle ownership

Status 2023

- 654.000 citizens
- 745.000 bicycles (more than 5 x cars)
  - 39.000 cargo bikes / cargo e-bikes
  - 33.200 e-bikes
- 140.000 cars

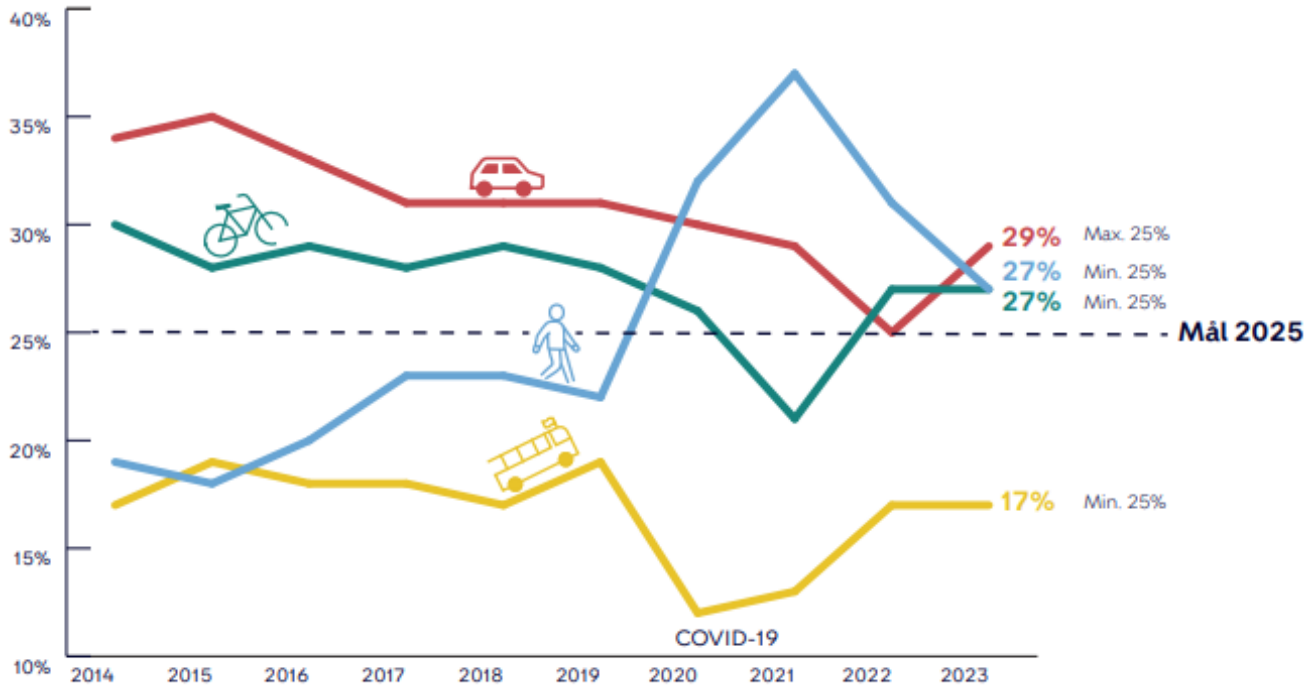


Facts on cycling in Copenhagen
“why do you cycle?”



↑ Copenhageners' reasons for cycling in 2022

Why cycling data? Why now?



Development in modal share over the past 15 years: →
(Decreasing trend during the COVID-19 pandemic)

Why cycling data? Why now?

The battle for the space

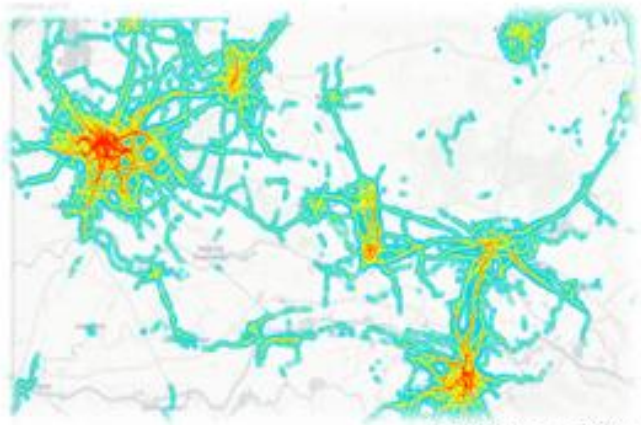
Treat cycling as a serious means of transportation

Continuous investment in cycling in Copenhagen (average over the last 10 years): 23 mil. €/year

Why cycling data? Why now?

When we think about ITS … it has also to be about bicycles!

Floating Bike Data



Fietstelweek 2016

Source: Siemens

Connected Bicycles

Intelligent Bike Parking

Bicycle parking Utrecht Central Station

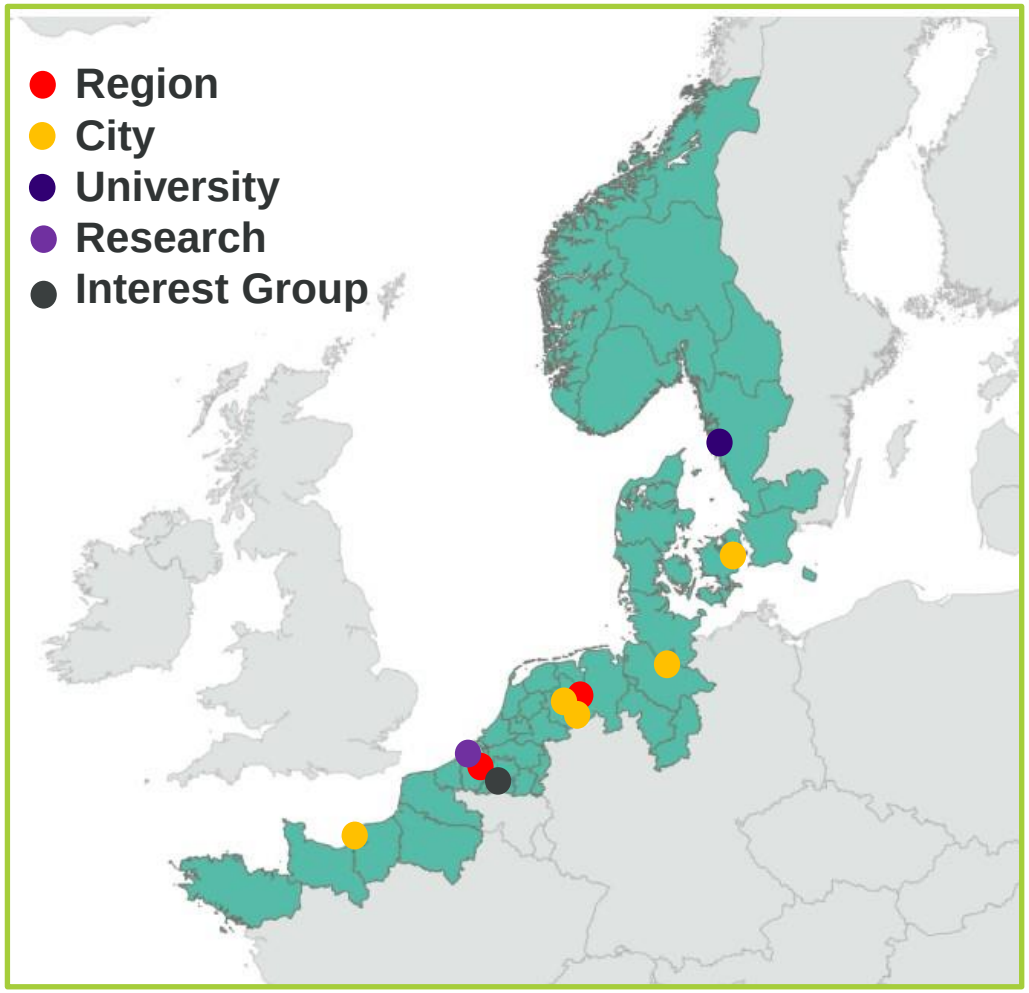
Source: Anders Adamsen

VMS for Bicycles

MegaBITS: Mobilizing **E**urope's **G**reen **A**mbition through **B**icycles and **ITS**

DUBAI ITS World Congress
16 -20 September 2024
Mobility Driven by ITS

- May 2023 – April 2026
- Project within Interreg North Sea Programme
- Investing €4,9 mln. in cycling ITS and data (co-funded by EU).
- Partners:
  - NL: Province of Overijssel (lead), City of Zwolle, City of Enschede
  - BE: Province of Antwerp, CIE, imec
  - DE: City of Hamburg
  - DK: City of Copenhagen
  - FR: Le Havre Seine Métropole
  - SE: Chalmers University



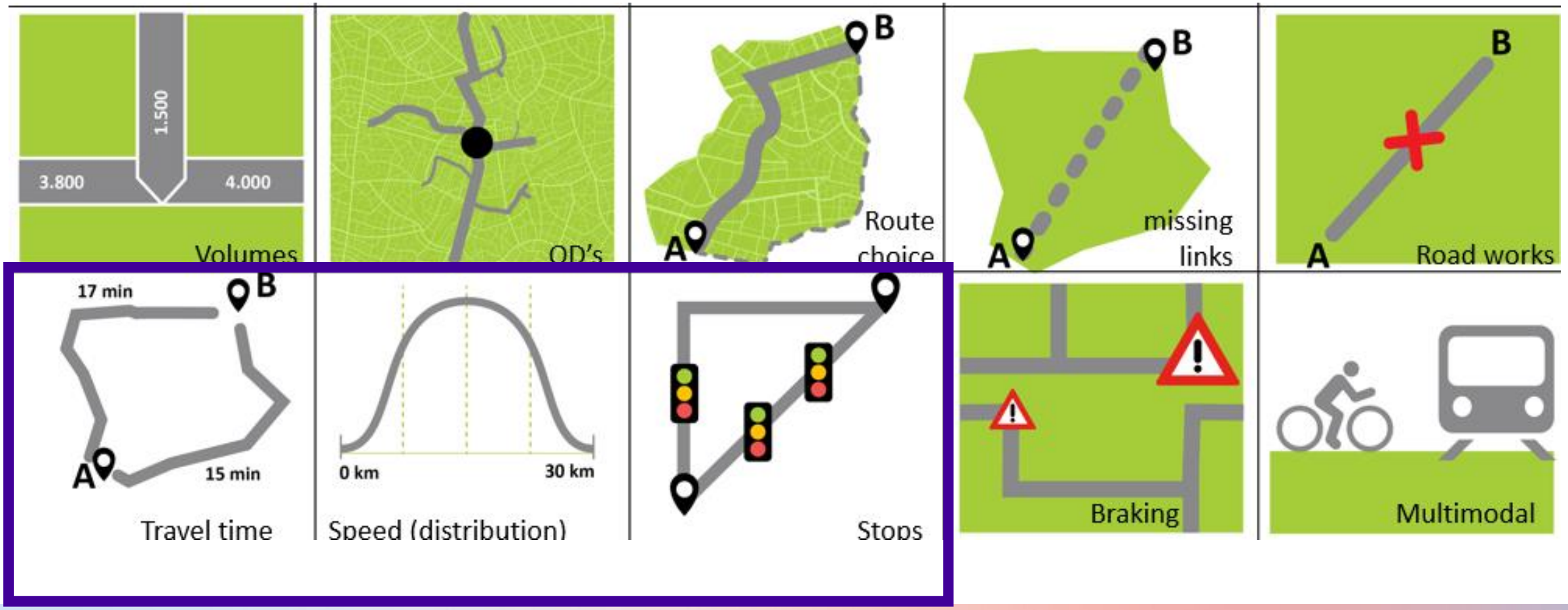
In 2026:

1. Implemented and evaluated 20+ cycling ITS and cycling data applications at the local and regional level.
2. Embedded cycling ITS and cycling data in national and EU level policies.
3. Contributed to the availability, accessibility and standardization of cycling data

MegaBITS

MegaBITS
Mobilizing Europe's Green Ambition through Bicycles and Intelligent Transport Systems

Use cases for Floating Bike Data



Statements

1. To make cycling a more attractive transport mode (safer, faster, more convenient, etc.), authorities must also invest in smart cycling solutions. This will be the digital layer on top of investments in bike infrastructure, bike parking facilities and bike promotion.
2. At the EU level more emphasis and budget has to be allocated to cycling data collection and standardization of cycling data. Cycling data must become as important as data on car traffic and public transport.
3. MegaBITS contributes by:
   - demonstrating whether and where cycling ITS works (and where not);
   - opening-up cycling data through the Cycling Data Space;
   - offering an insight in existing smart cycling solutions through the Bicycles and ITS Directory.

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Thank you!

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