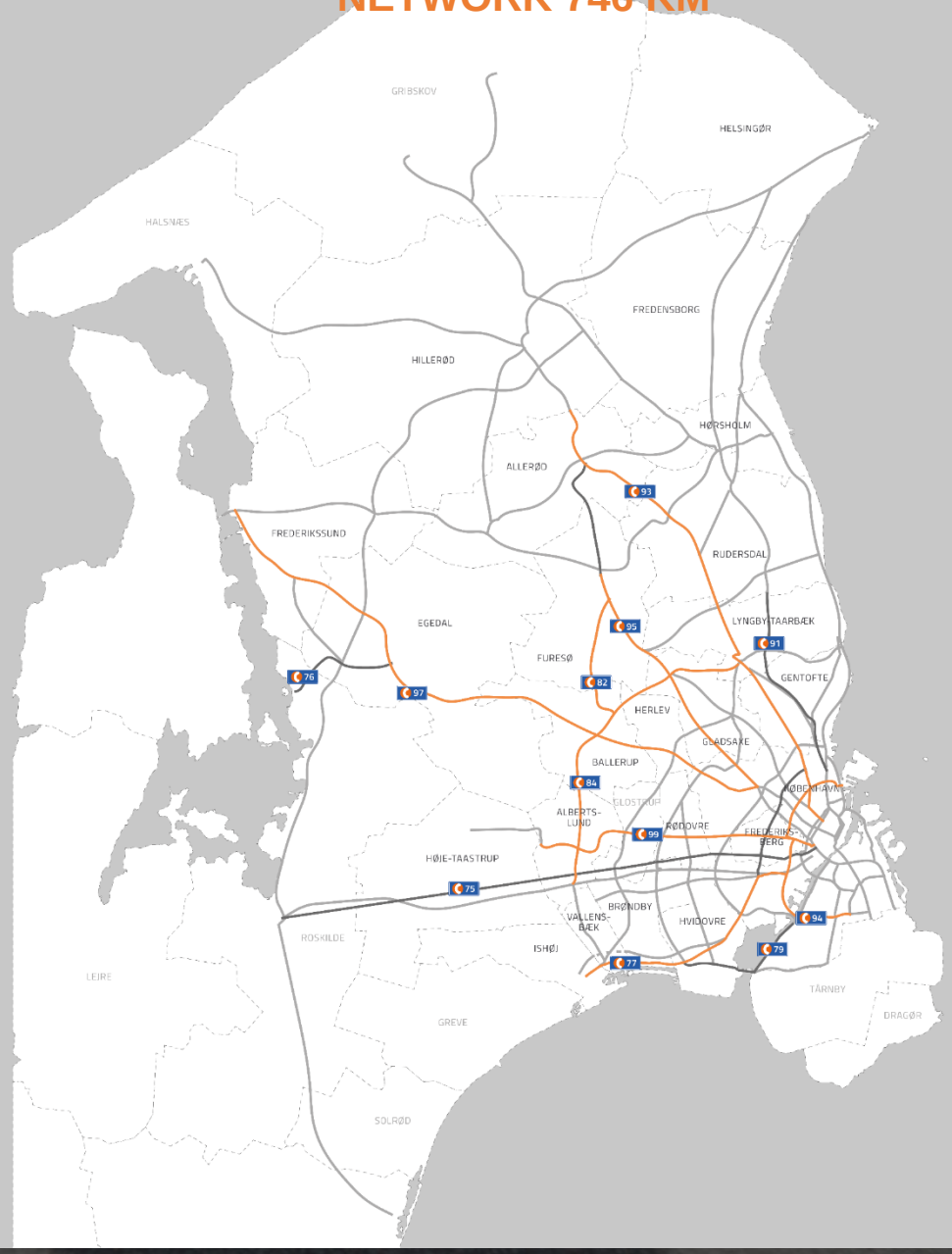
MONITORING AND EVALUATION OF
CYCLE SUPERHIGHWAYS

ANNA GARRETT
PROJECT MANAGER – OFFICE FOR CYCLE SUPERHIGHWAYS

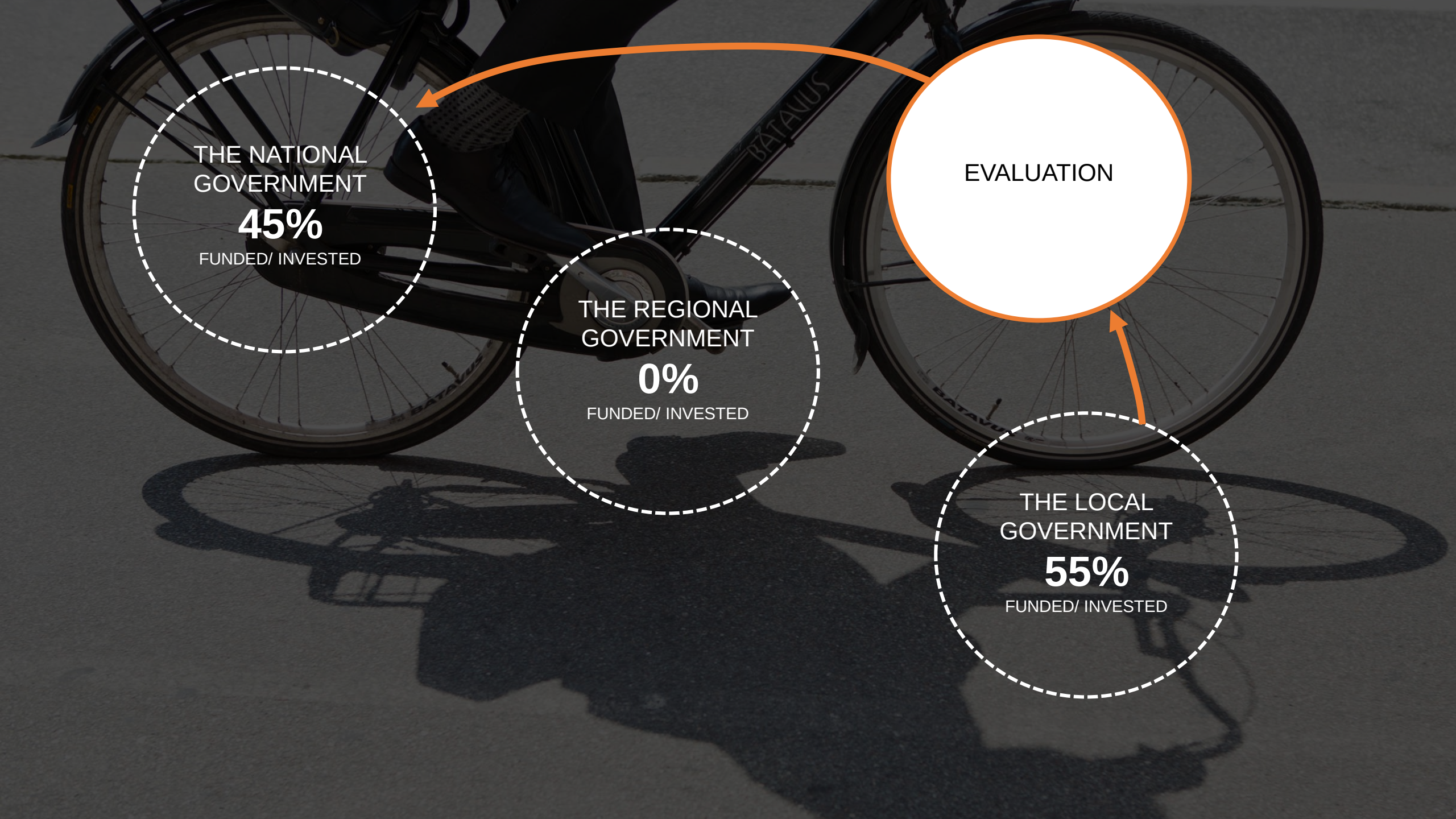
CYCLE HIGHWAY ACADEMY 4 – MAY 24TH 2018

THE CAPITAL REGION
OF DENMARK

CYCLE SUPERHIGWAY NETWORK 746 KM



THE NATIONAL GOVERNMENT
45%
FUNDED/ INVESTED
THE REGIONAL GOVERNMENT
0%
FUNDED/ INVESTED
THE LOCAL GOVERNMENT
55%
FUNDED/ INVESTED


THE NATIONAL GOVERNMENT
45%
FUNDED/ INVESTED
THE REGIONAL GOVERNMENT
0%
FUNDED/ INVESTED
EVALUATION
THE LOCAL GOVERNMENT
55%
FUNDED/ INVESTED

Albertslund Kommune

Allerød Kommune

Ballerup Kommune

Brøndby Kommune

Egedal Kommune

Fredensborg Kommune

Frederiksberg Kommune

Frederikssund Kommune

Furesø Kommune

Gentofte Kommune

Gladsaxe Kommune

Helsingør Kommune

Herlev Kommune

Hillerød Kommune

Hvidovre Kommune

Høje-Taastrup Kommune

Hørsholm Kommune

Ishøj Kommune

Københavns Kommune

Lyngby-Taarbæk Kommune

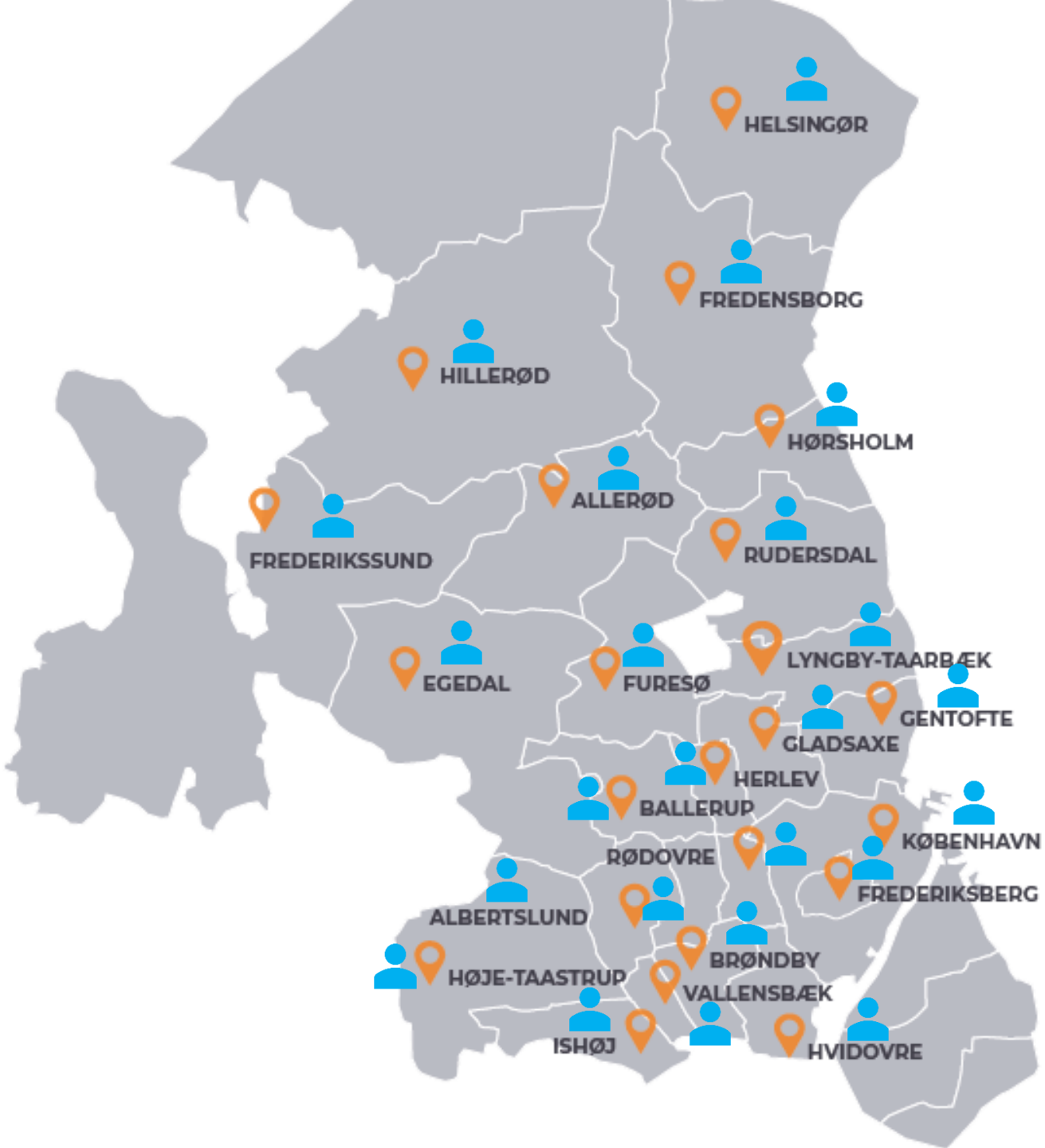
Rudersdal Kommune

Rødovre Kommune

Vallensbæk Kommune

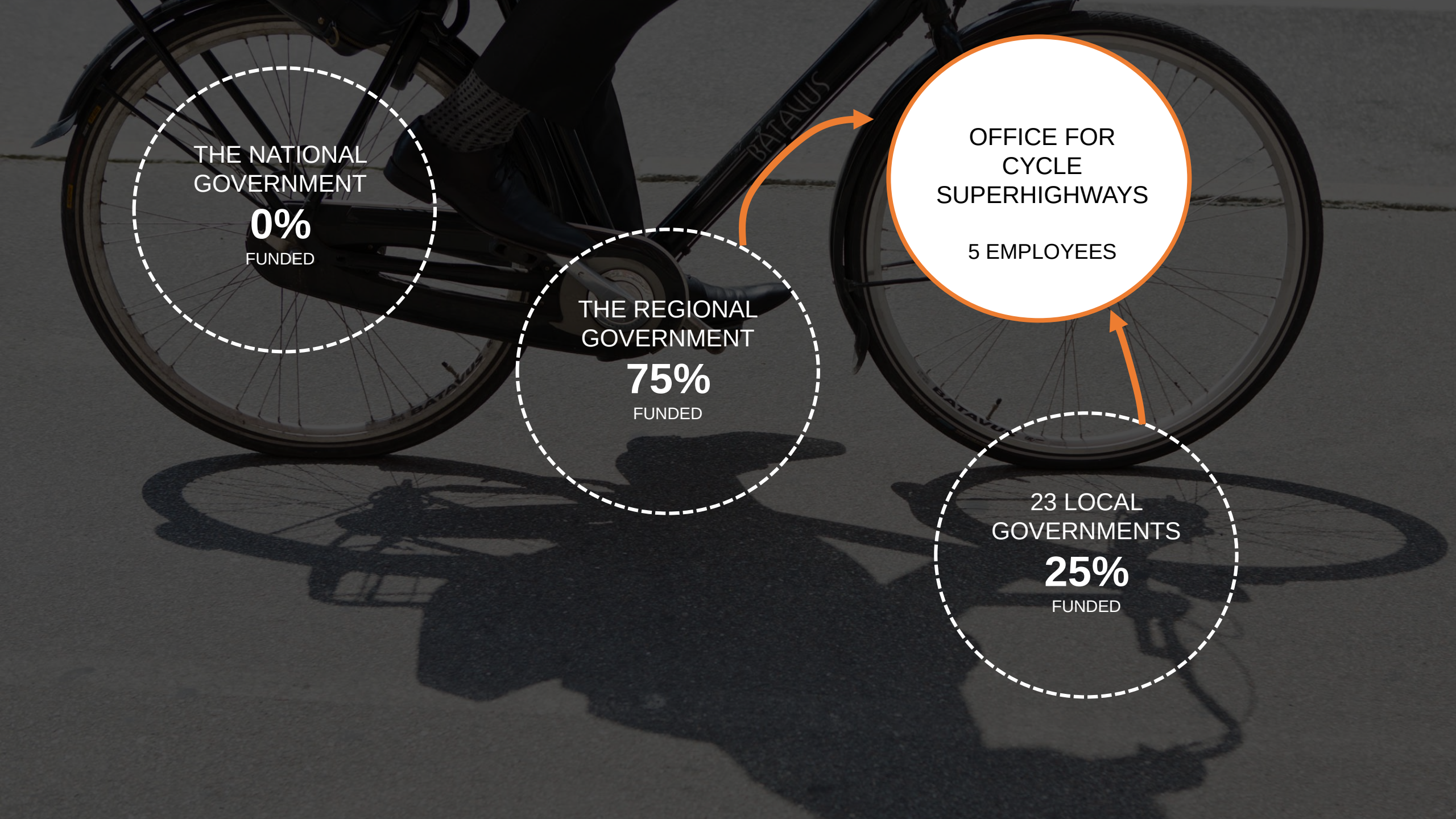
Region Hovedstaden

CYCLE SUPERHIGHWAYS



Traffic safety
Bus operation
Urban planning
Climate adaptation
Safe school routes
Construction approval
Road construction
Asphalt maintenance
Mobility management
General maintenance

CYCLE
SUPERHIGHWAYS


THE NATIONAL GOVERNMENT
0%
FUNDED
THE REGIONAL GOVERNMENT
75%
FUNDED
OFFICE FOR CYCLE SUPERHIGHWAYS
5 EMPLOYEES
23 LOCAL GOVERNMENTS
25%
FUNDED

- SHARED CONCEPT
- PROGESS
- FUNDRAISING AND POLITICAL AWARENESS
- **MONITORING AND EVALUATION**
- INNOVATION

THE REGIONAL GOVERNMENT

75%

FUNDED

OFFICE FOR CYCLE SUPERHIGHWAYS

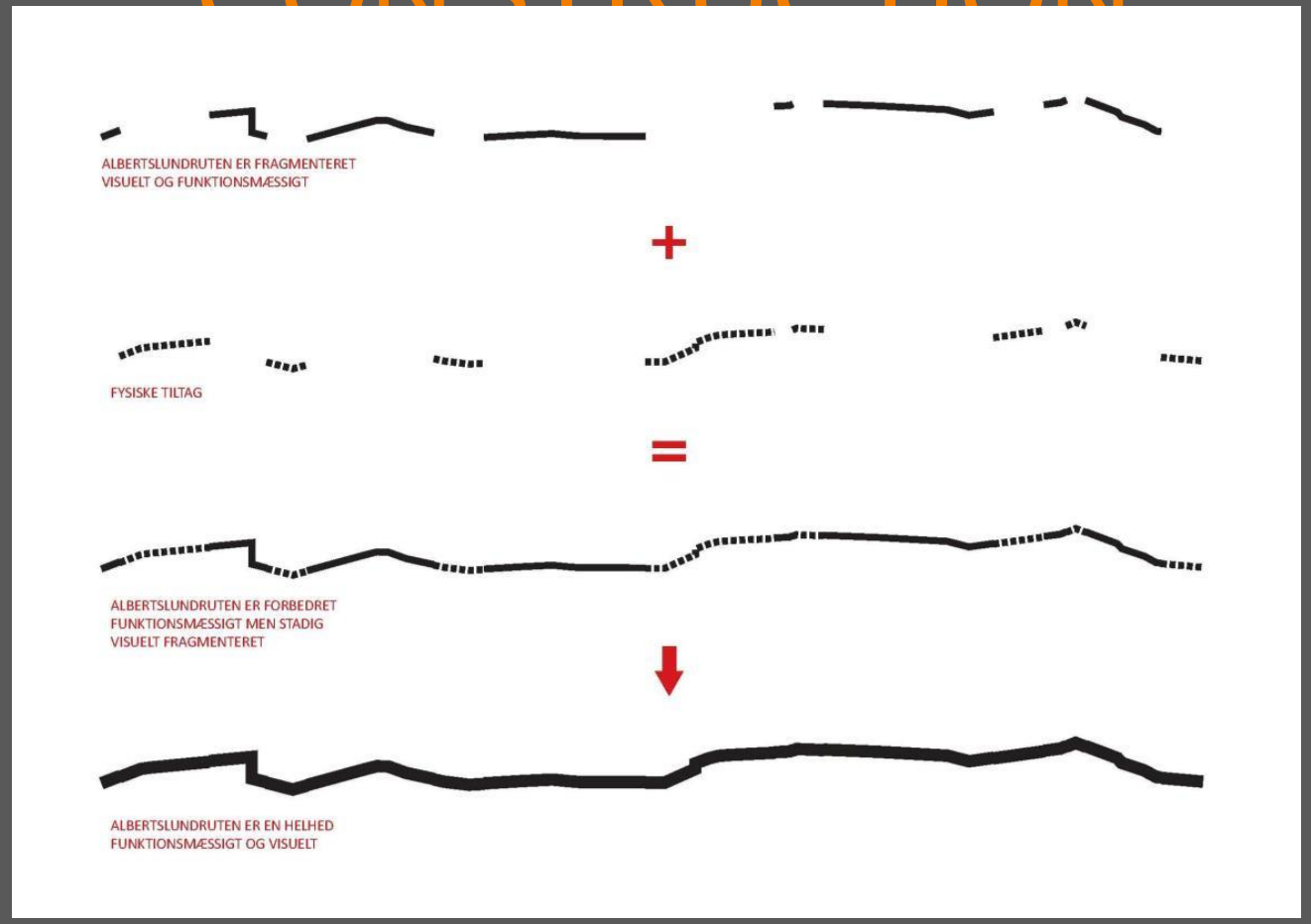
5 EMPLOYEES

23 LOCAL GOVERNMENTS

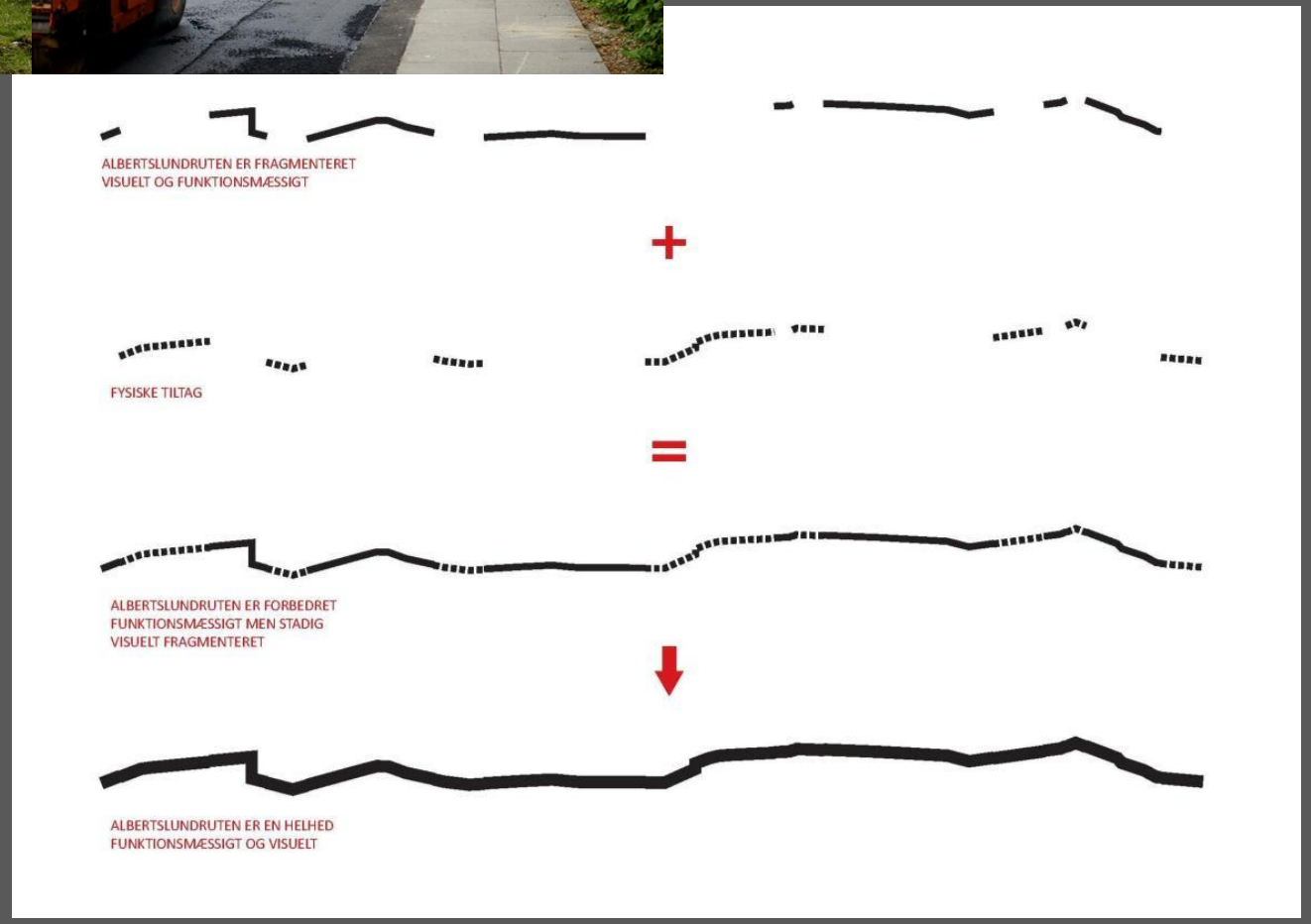
25%

FUNDED

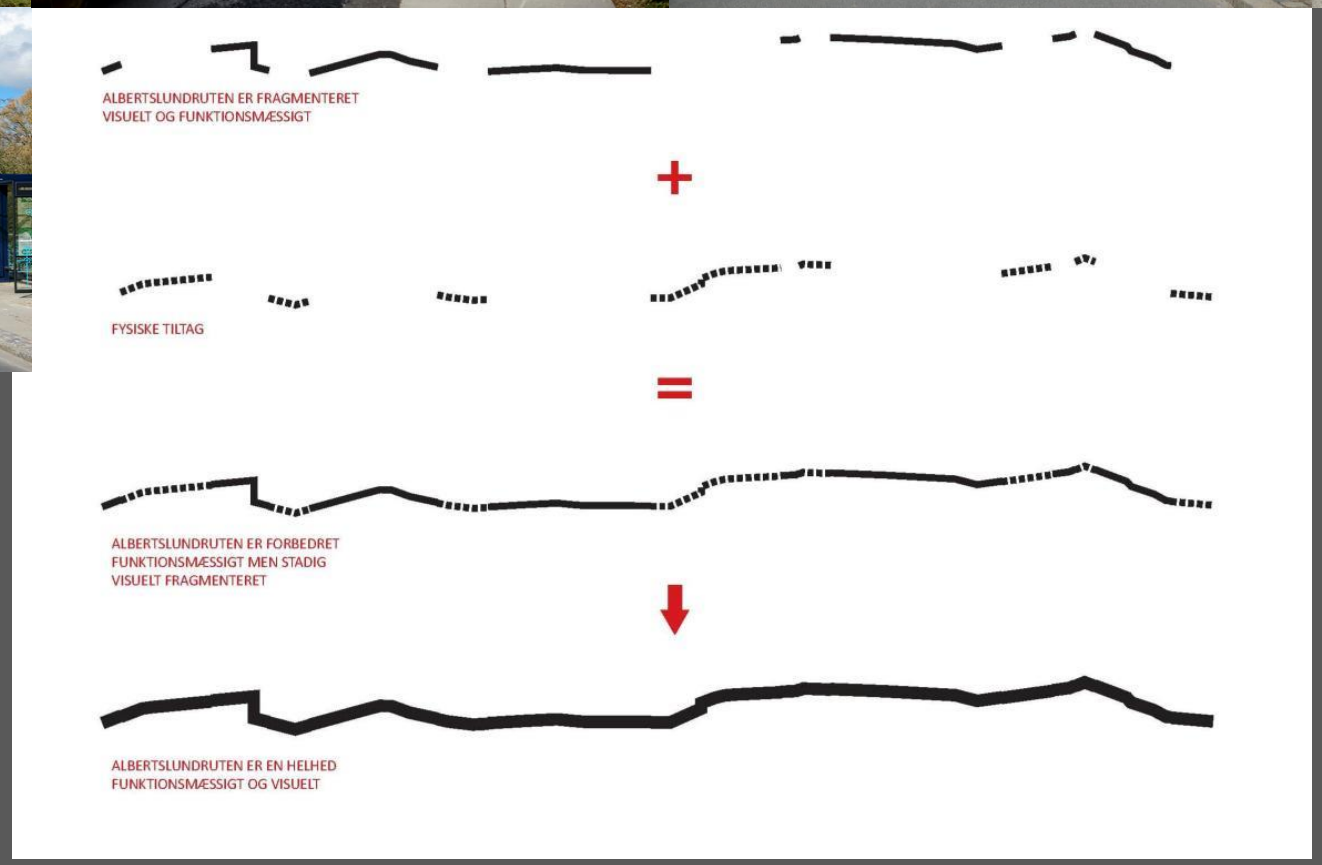
THE CYCLE HIGHWAY CONSTRUCTION



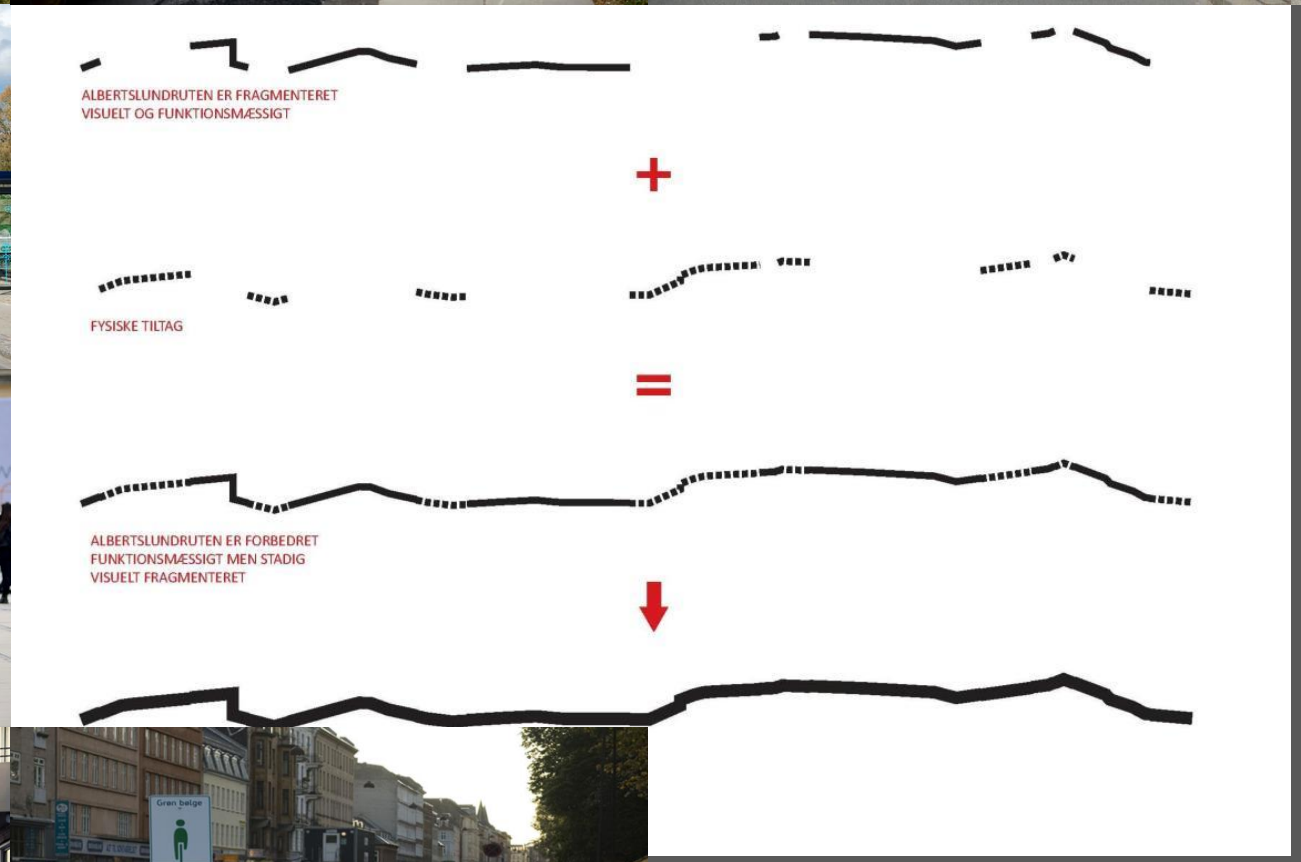
CYCLE
SUPERHIGHWAYS



CYCLE
SUPERHIGHWAYS

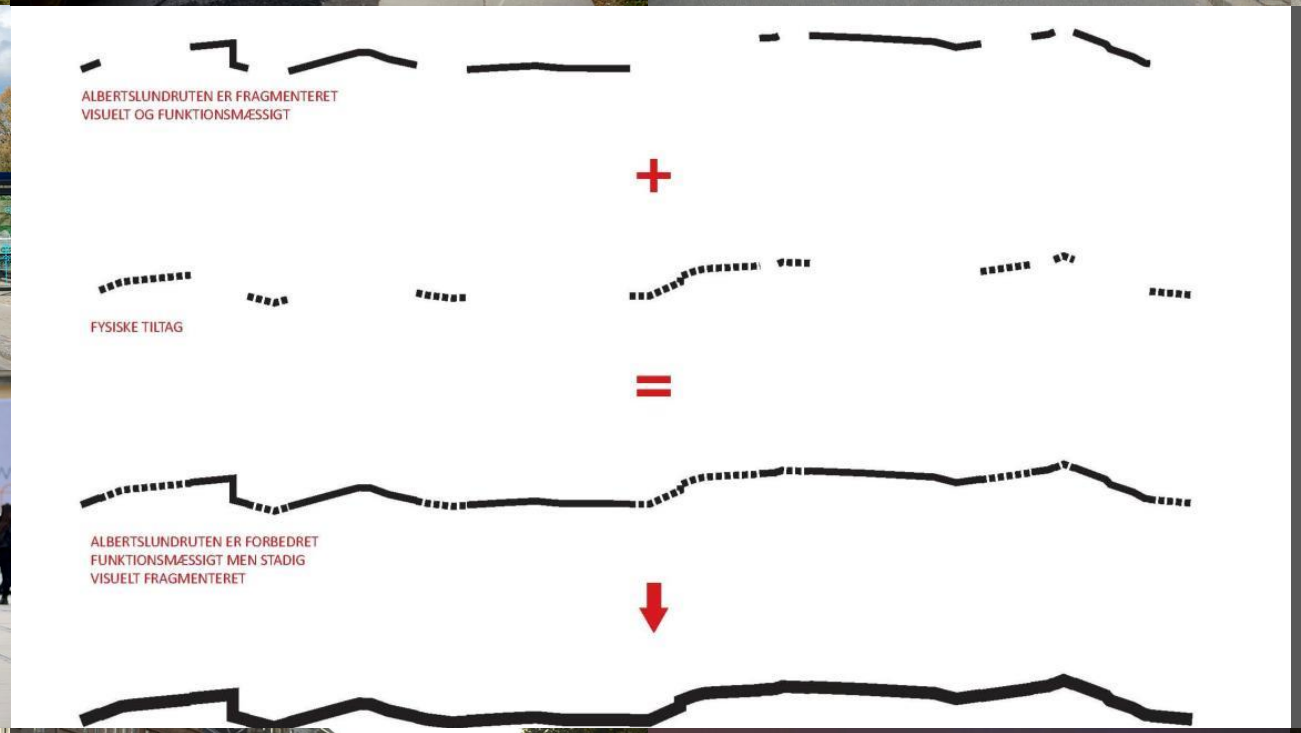


CYCLE
SUPERHIGHWAYS



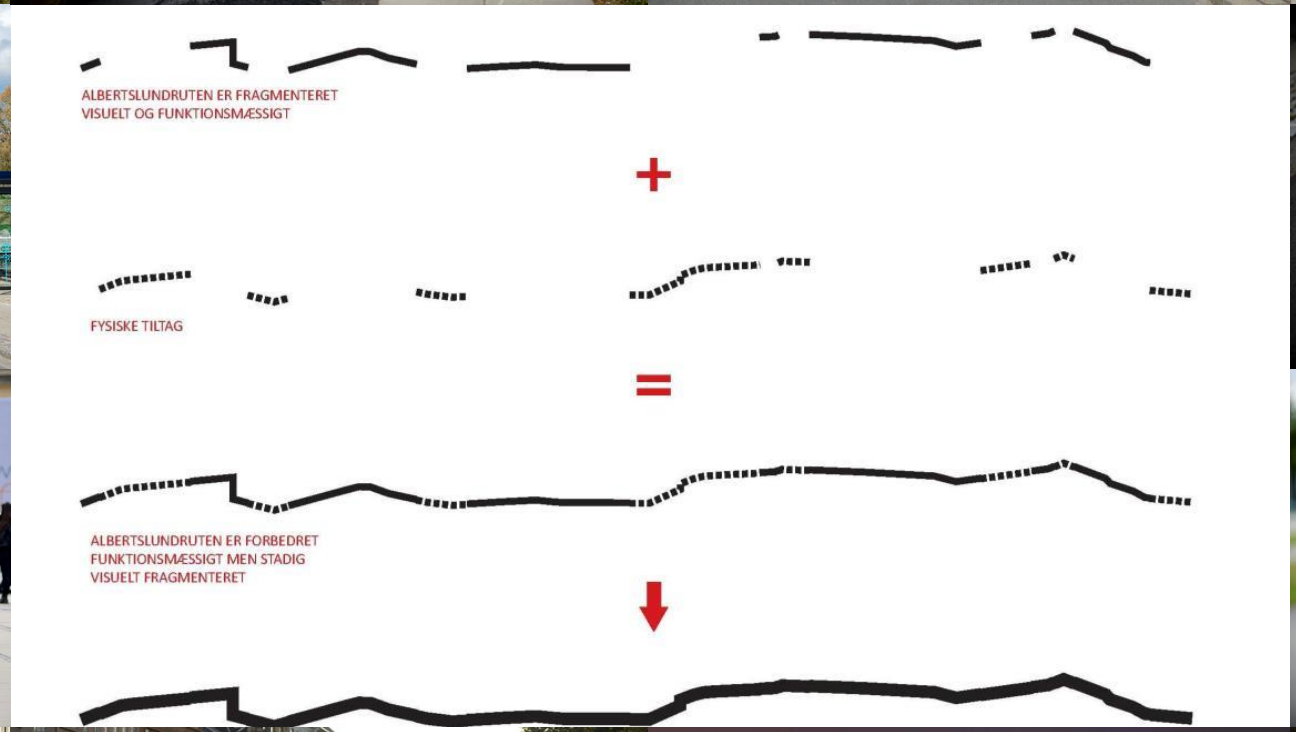
CYCLE
SUPERHIGHWAYS

Langgøvej


ALBERTSLUNDRUTEN ER FRAGMENTERET
VISUELT OG FUNKTIONSMÆSSIGT
+
FYSISKE TILTAG
=
ALBERTSLUNDRUTEN ER FORBEDRET
FUNKTIONSMÆSSIGT MEN STADIG
VISUELT FRAGMENTERET

Nedtælling
til
signalskift
15

Grøn bølge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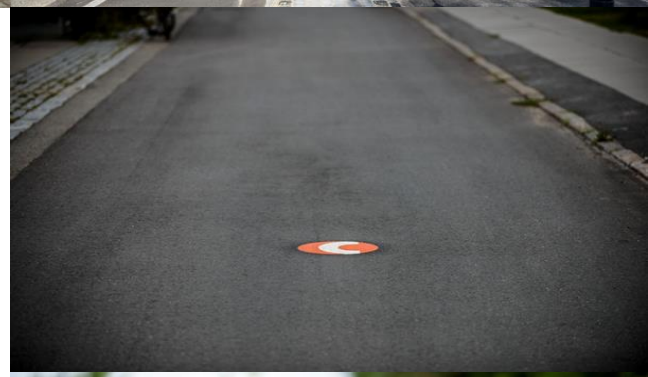
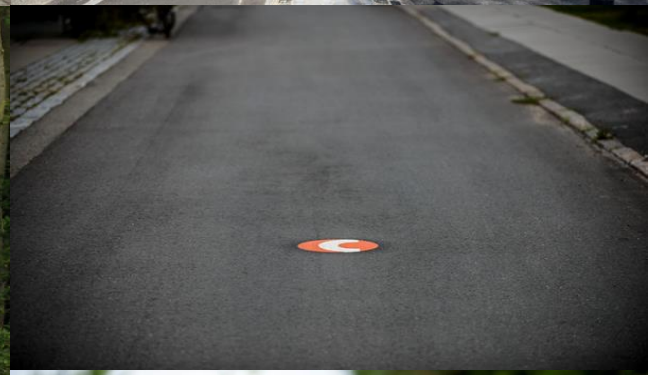


77
Ishøjruten
Carlsberg St. 13,6

Nedtælling
til
signalskift

Grøn bølge

Langgøvej

Cykler i dag:
15
Cykler denne måned:
3.500
Cykler i år:
3.701
Vejret nu:
17°C
RUDERSDAL KOMMUNE
SUPERCYKELSTIER


77
Ishøjruten
Carlsberg St. 13,6

Nedtælling
til
signalskift
15

Grøn bølge

BEFORE

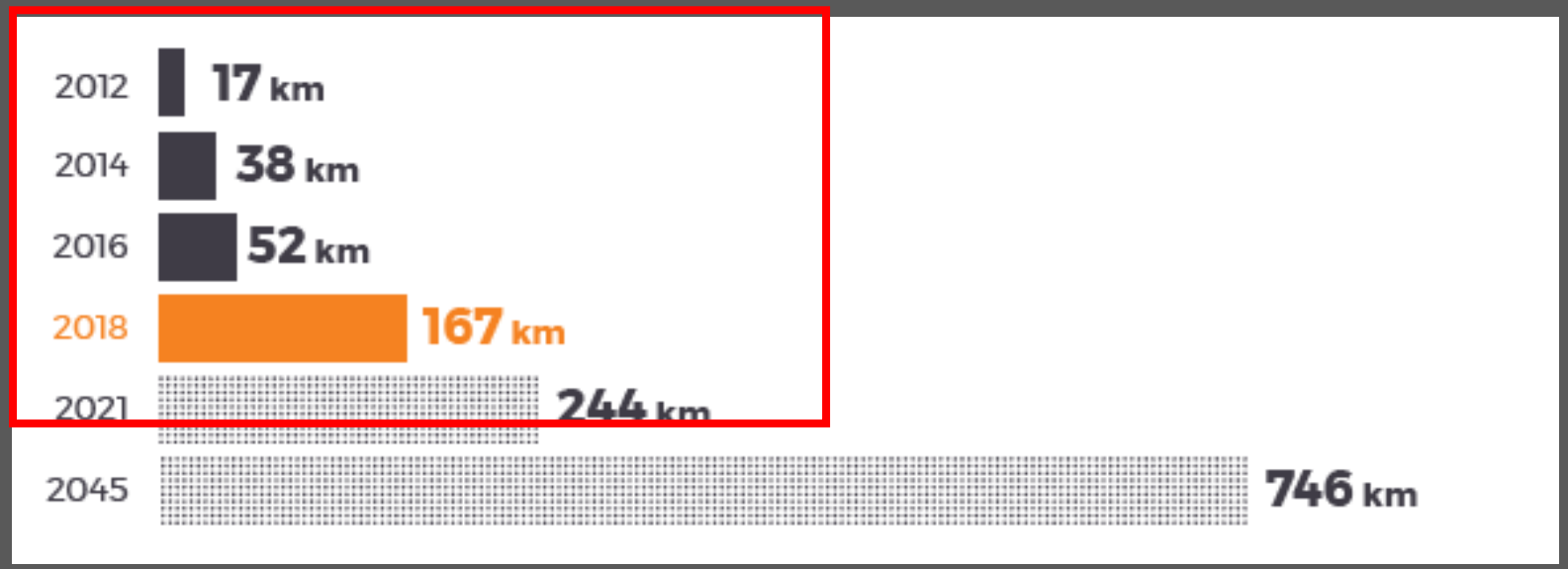
1 YEAR

AFTER

CYCLE
SUPERHIGHWAYS

CYCLE
SUPERHIGHWAYS

BEFORE

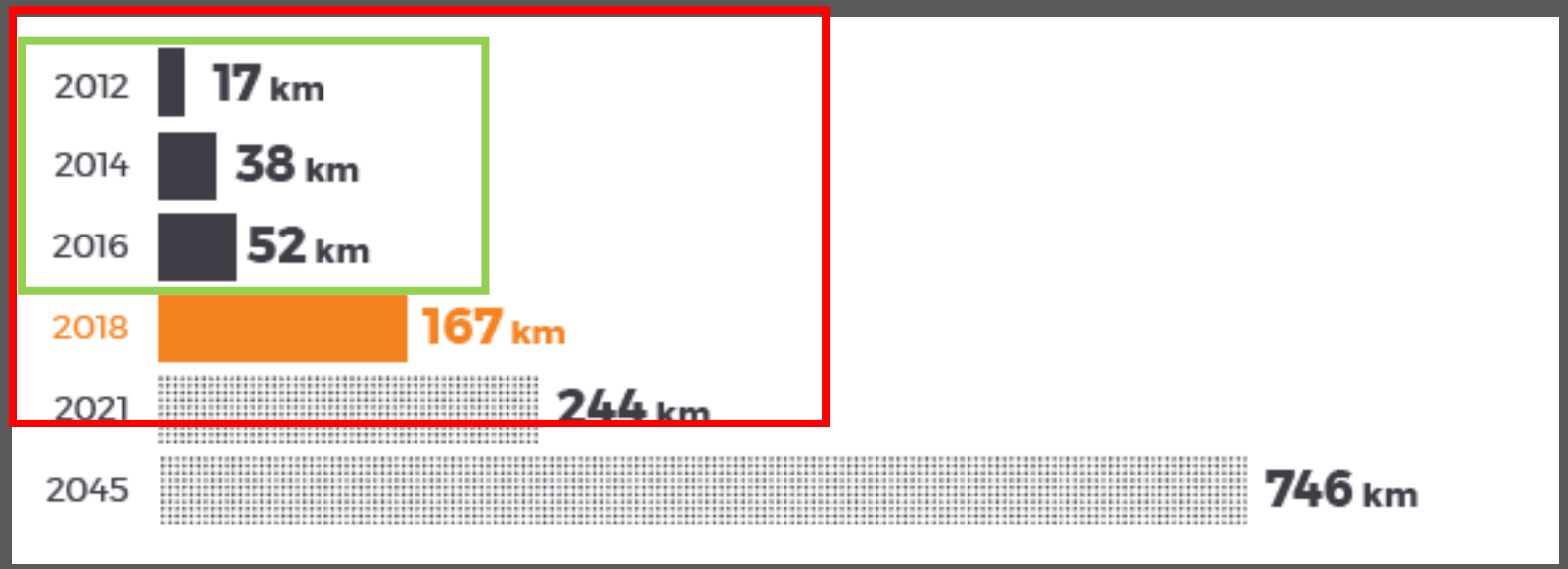


CYCLE
SUPERHIGHWAYS

BEFORE

1 YEAR

AFTER



CYCLE
SUPERHIGHWAYS

CYCLE SUPERHIGHWAY EVALUATION CRITERIA

- CYCLISTS
- CAR TRAFFIC
- TRAVEL SPEED
- COMFORT
- SENSE OF SAFETY
- SAFETY
- SATISFACTION
- TYPE OF USERS
- DISTANCE
- IMPROVEMENTS
- CASE-SPECIFIC RESULTS

CYCLE
SUPERHIGHWAYS

- ↑ CYCLISTS
- ↓ CAR TRAFFIC
- ↑ TRAVEL SPEED
- ↑ COMFORT
- ↑ SENSE OF SAFETY
- ↑ SAFETY

CYCLE
SUPERHIGHWAYS

- **CYCLISTS**
- CAR TRAFFIC
- TRAVEL SPEED
- COMFORT
- SENSE OF SAFETY
- SAFETY

CYCLE
SUPERHIGHWAYS

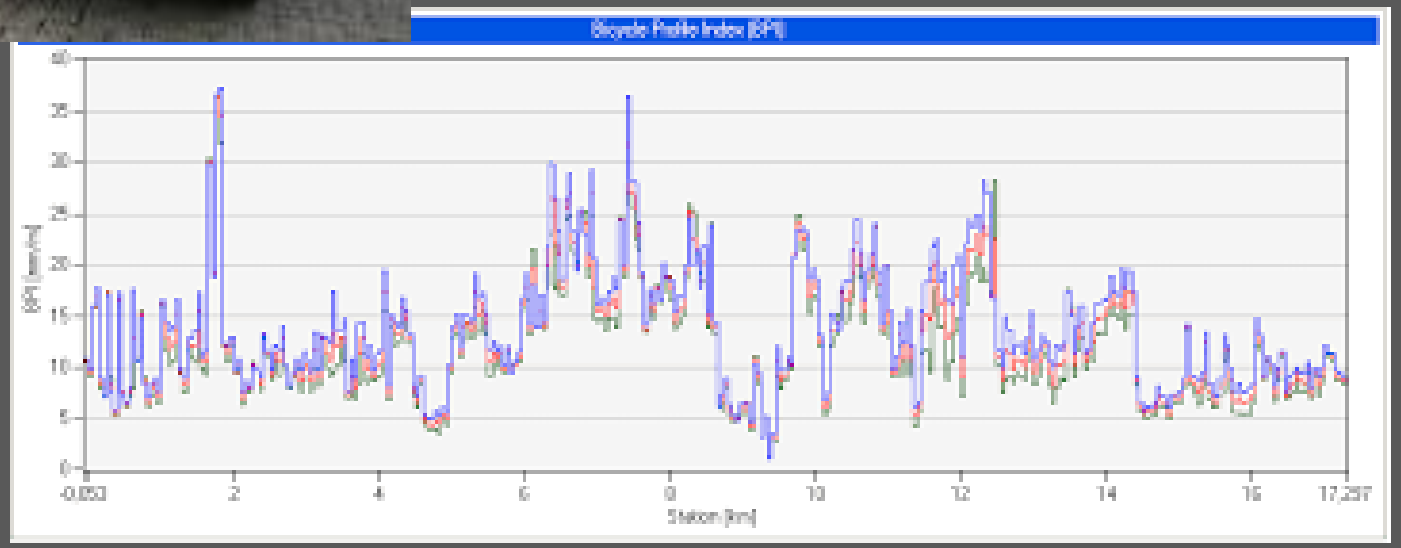
- ↑ CYCLISTS
- ↓ **CAR TRAFFIC**
- ↑ TRAVEL SPEED
- ↑ COMFORT
- ↑ **SENSE OF SAFETY**
- ↑ SAFETY

CYCLE
SUPERHIGHWAYS

- ↑ CYCLISTS
- ↓ CAR TRAFFIC
- ↑ **TRAVEL SPEED**
- ↑ COMFORT
- ↑ SENSE OF SAFETY
- ↑ SAFETY

CYCLE
SUPERHIGHWAYS

- ↑ CYCLISTS
- ↓ CAR TRAFFIC
- ↑ TRAVEL SPEED
- ↑ **COMFORT**
- ↑ SENSE OF SAFETY
- ↑ SAFETY



CYCLE
SUPERHIGHWAYS

- ↑ CYCLISTS
- ↓ CAR TRAFFIC
- ↑ TRAVEL SPEED
- ↑ COMFORT
- ↑ SENSE OF SAFETY
- ↑ **SAFETY**

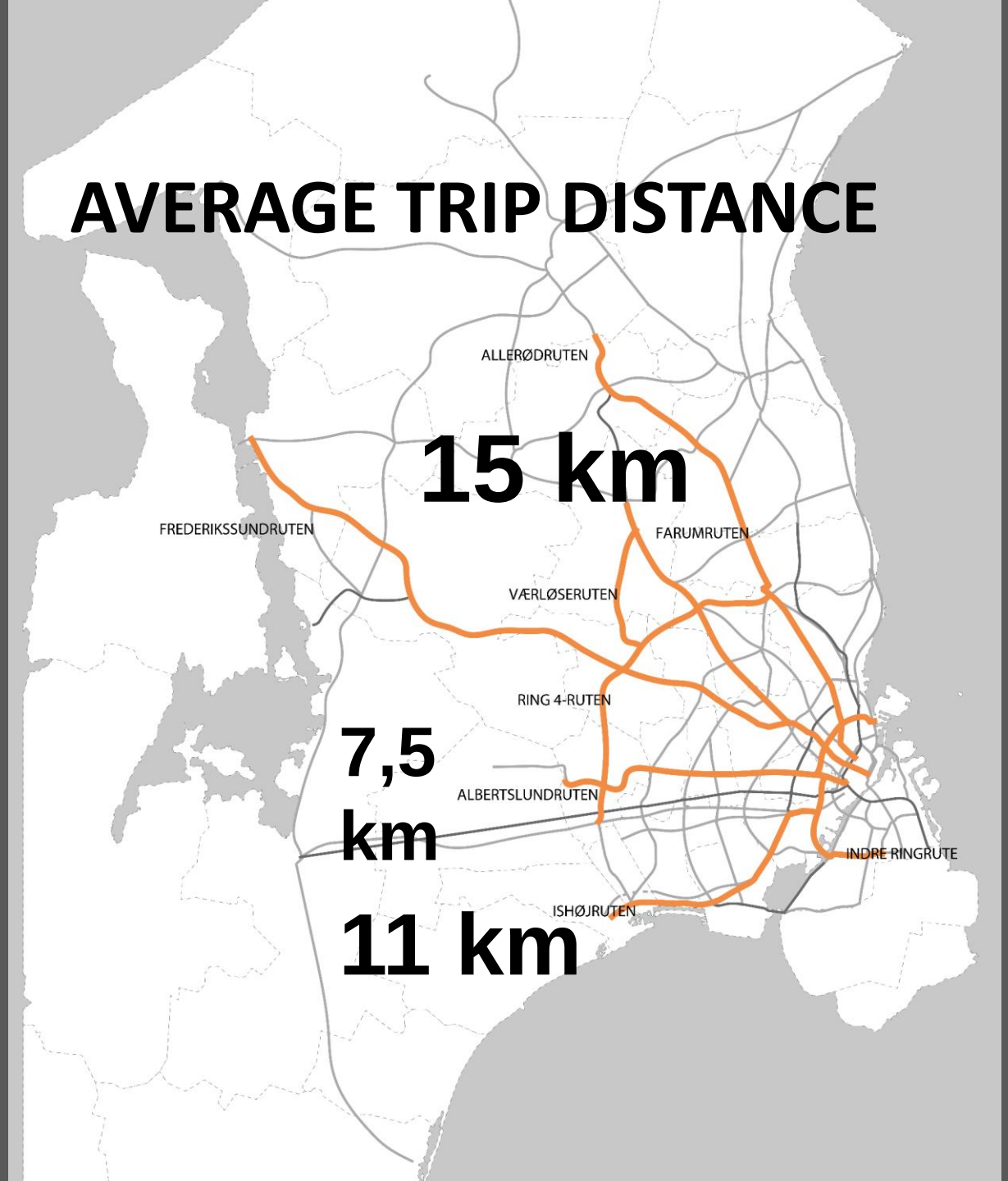
CYCLE
SUPERHIGHWAYS

Daily commuters
Riding between 5-15 km

Before the comfort was **bad**
Now the track is **too narrow**

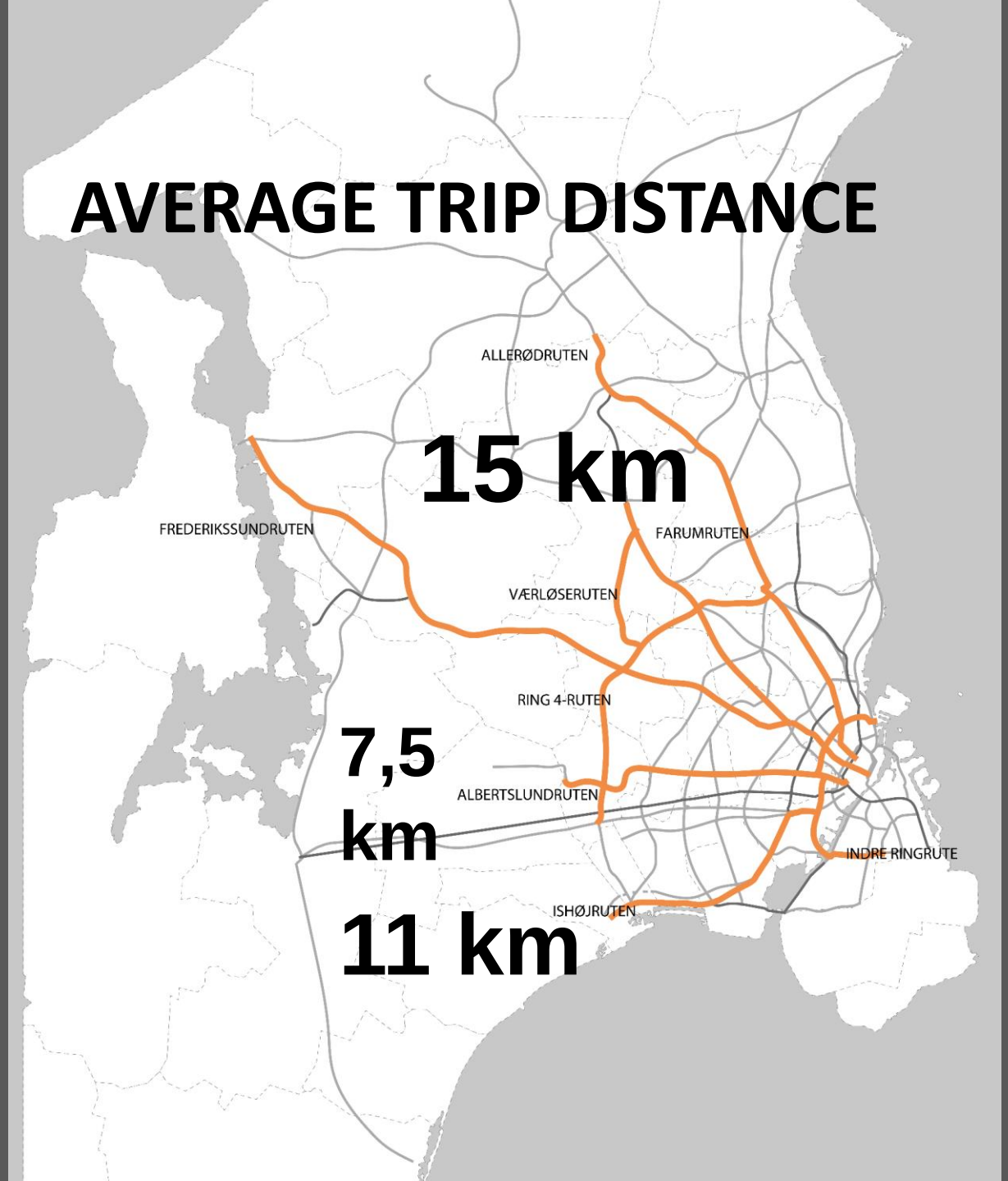
CYCLE
SUPERHIGHWAYS

AVERAGE TRIP DISTANCE



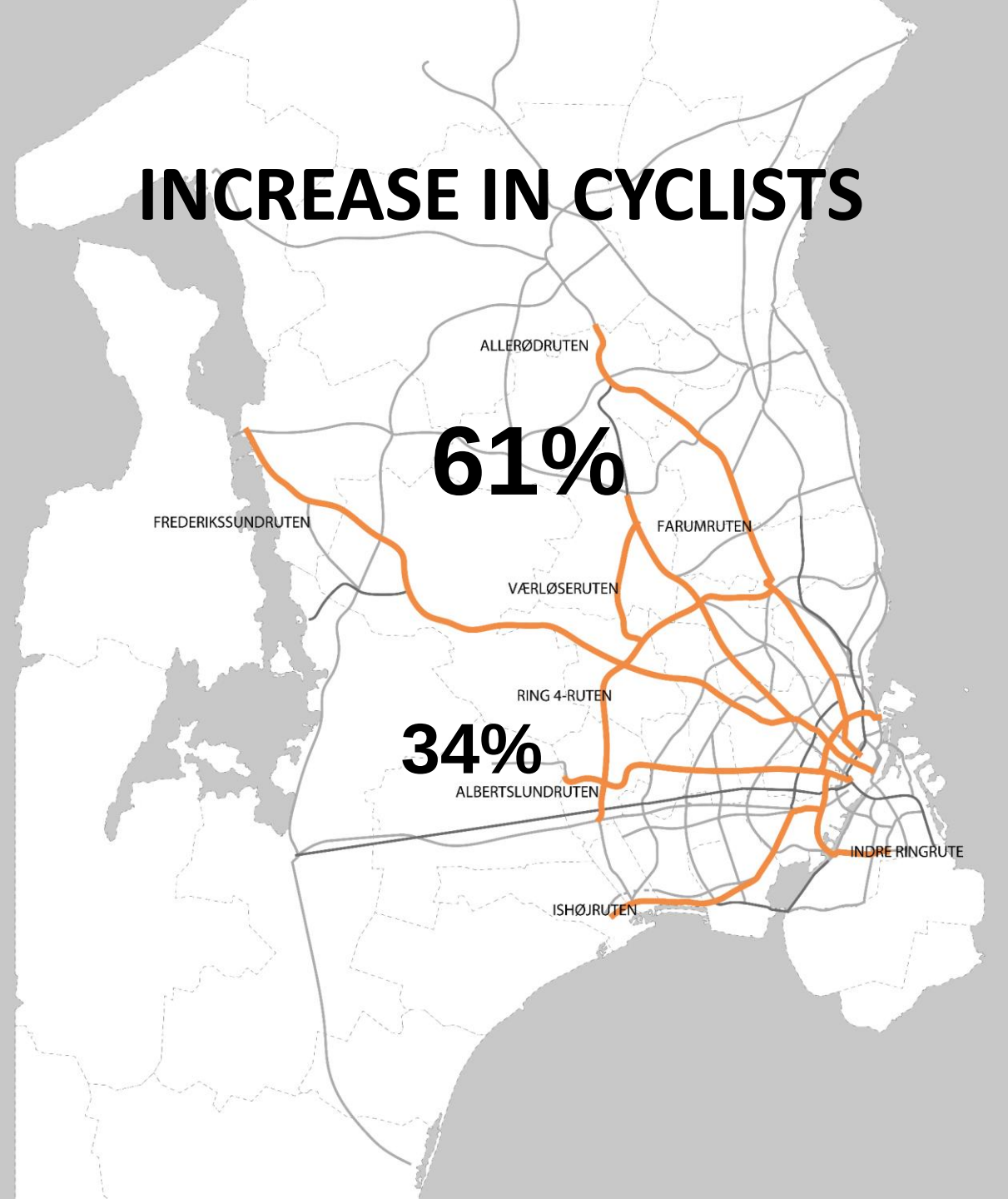
CYCLE
SUPERHIGHWAYS

AVERAGE TRIP DISTANCE



SUPERHIGHWAYS

INCREASE IN CYCLISTS

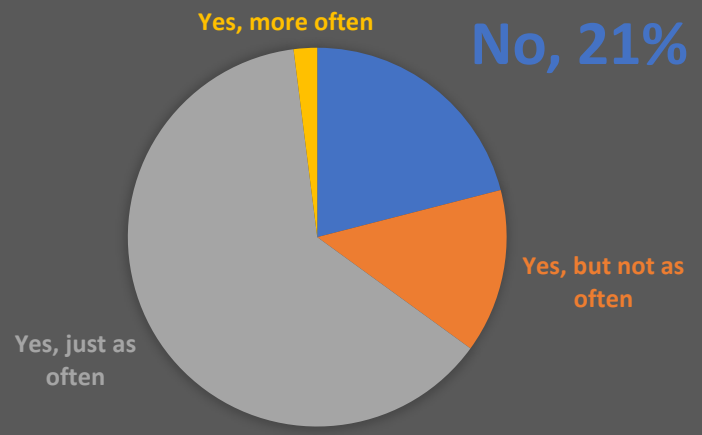


CYCLE
SUPERHIGHWAYS

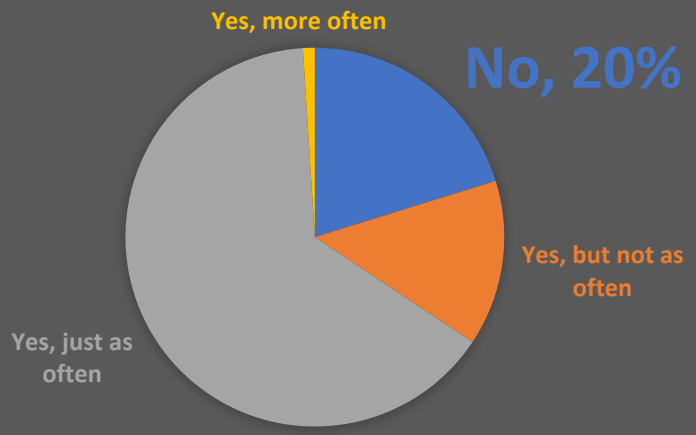
INCREASE IN CYCLISTS

20-25% NEW CYCLISTS ON THE ROUTE

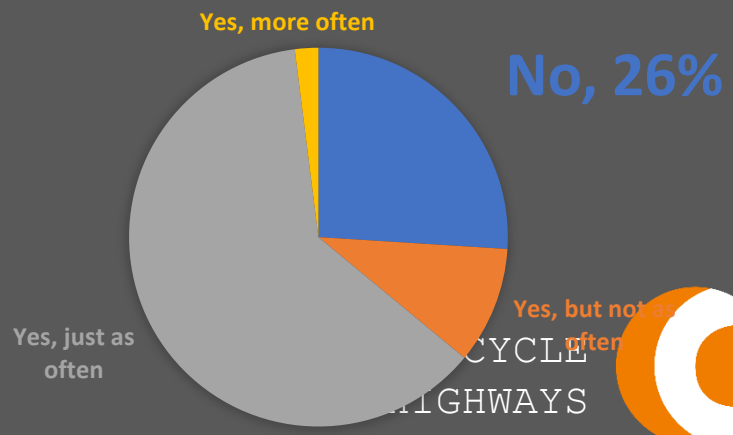
THE FARUM ROUTE



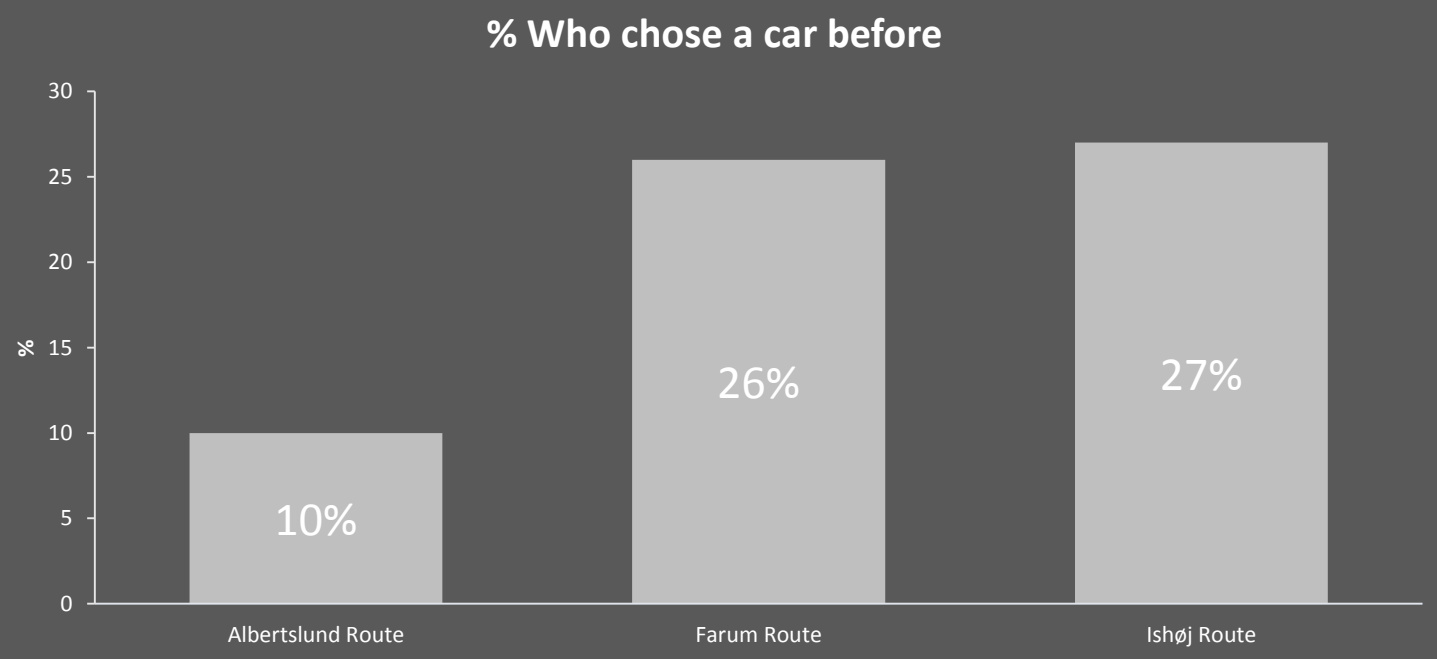
THE ISHØJ ROUTE



THE ALBERTSLUND ROUTE

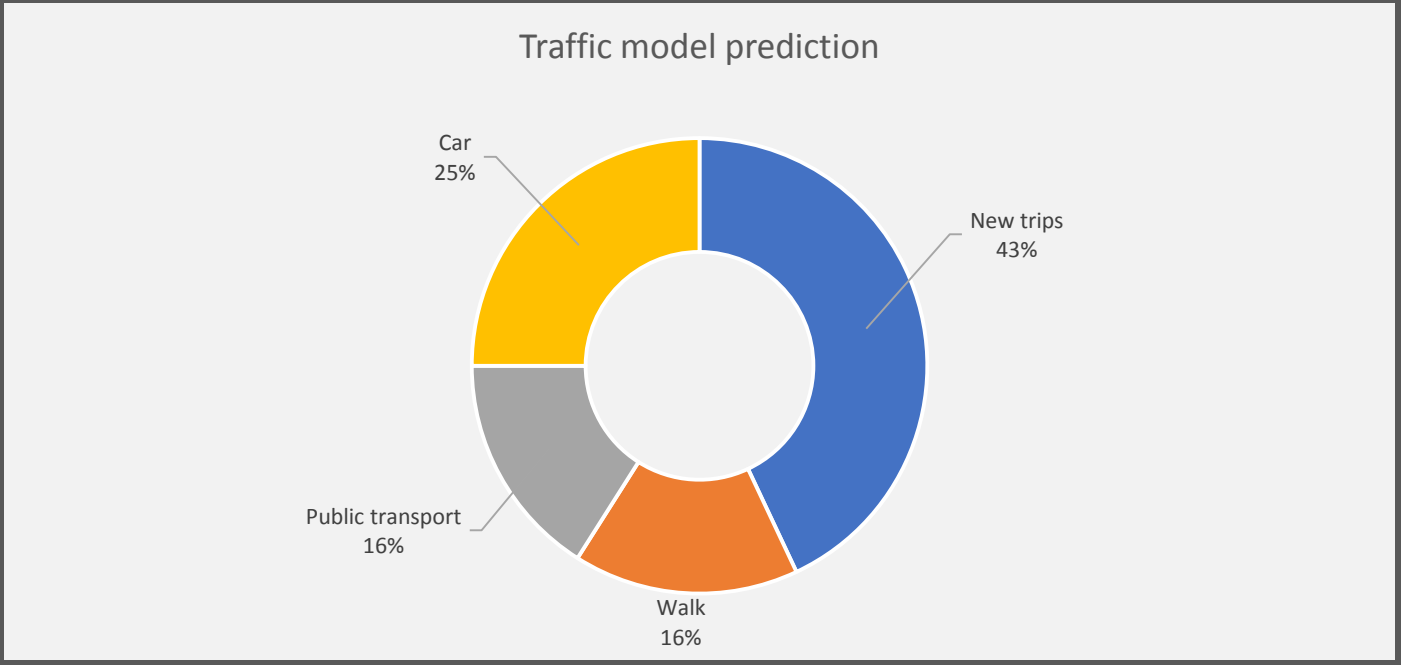


REDUCE CAR TRAFFIC



CYCLE
SUPERHIGHWAYS

REDUCE CAR TRAFFIC



CYCLE
SUPERHIGHWAYS

MONITORING

CYCLE
SUPERHIGHWAYS

MONITORING

CYCLE
SUPERHIGHWAYS

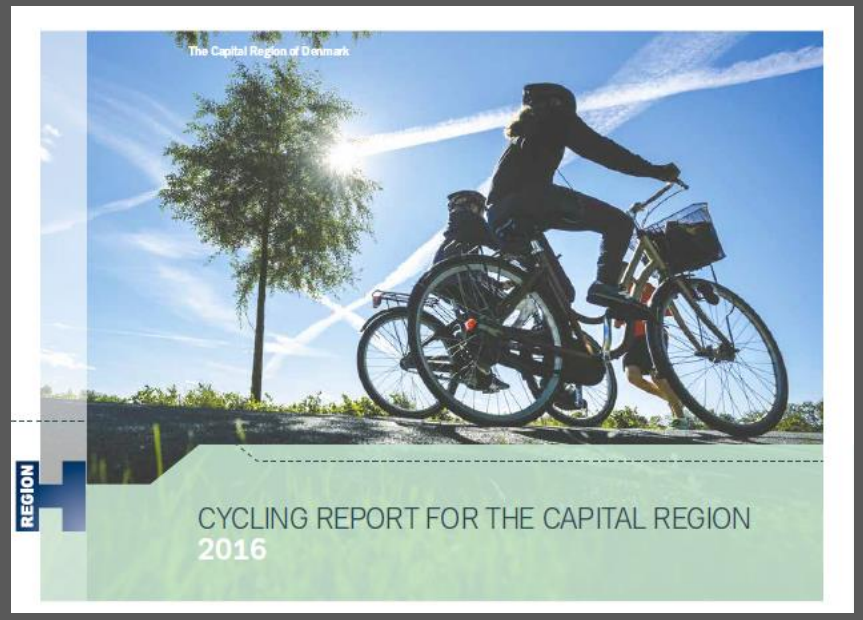
MONITORING

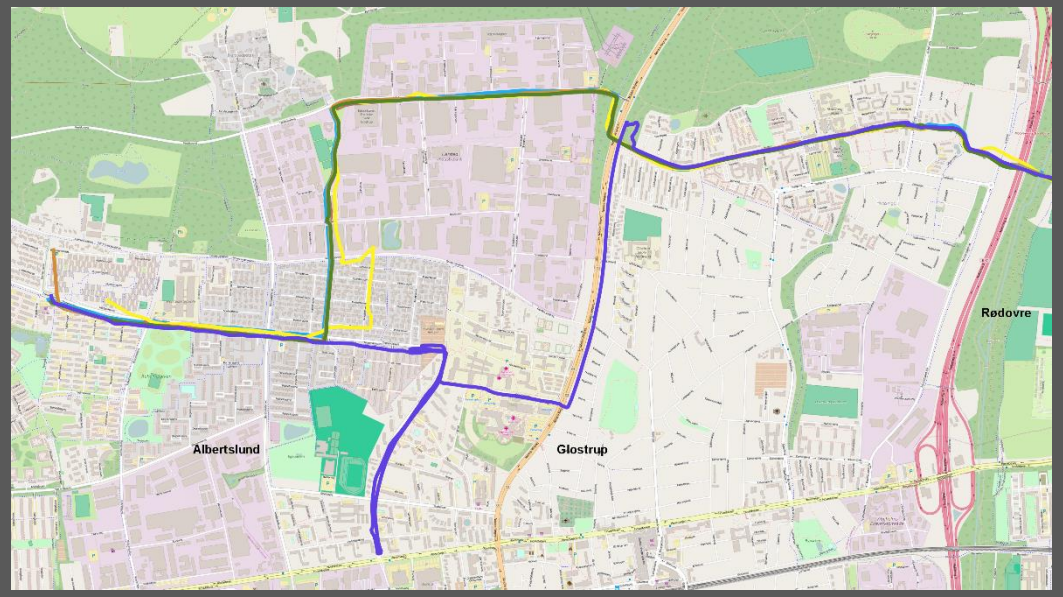
VERY (!) WET SEPTEMBER

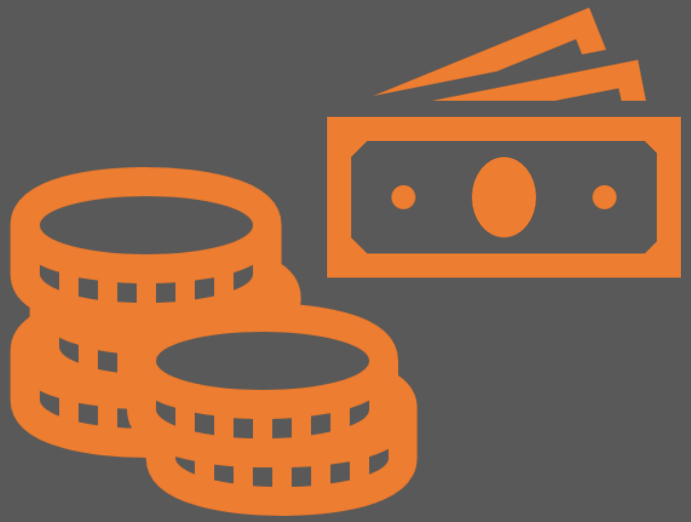
16 year record in rainfall

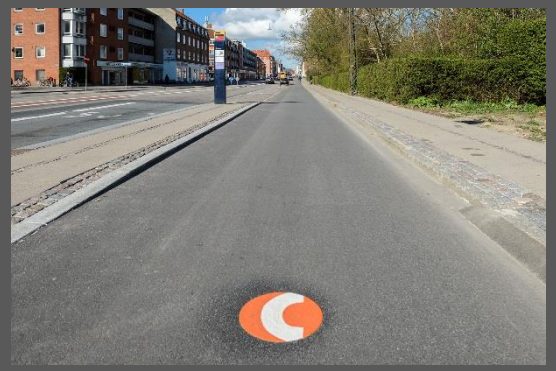
CYCLE SUPERHIGHWAYS

Nice to







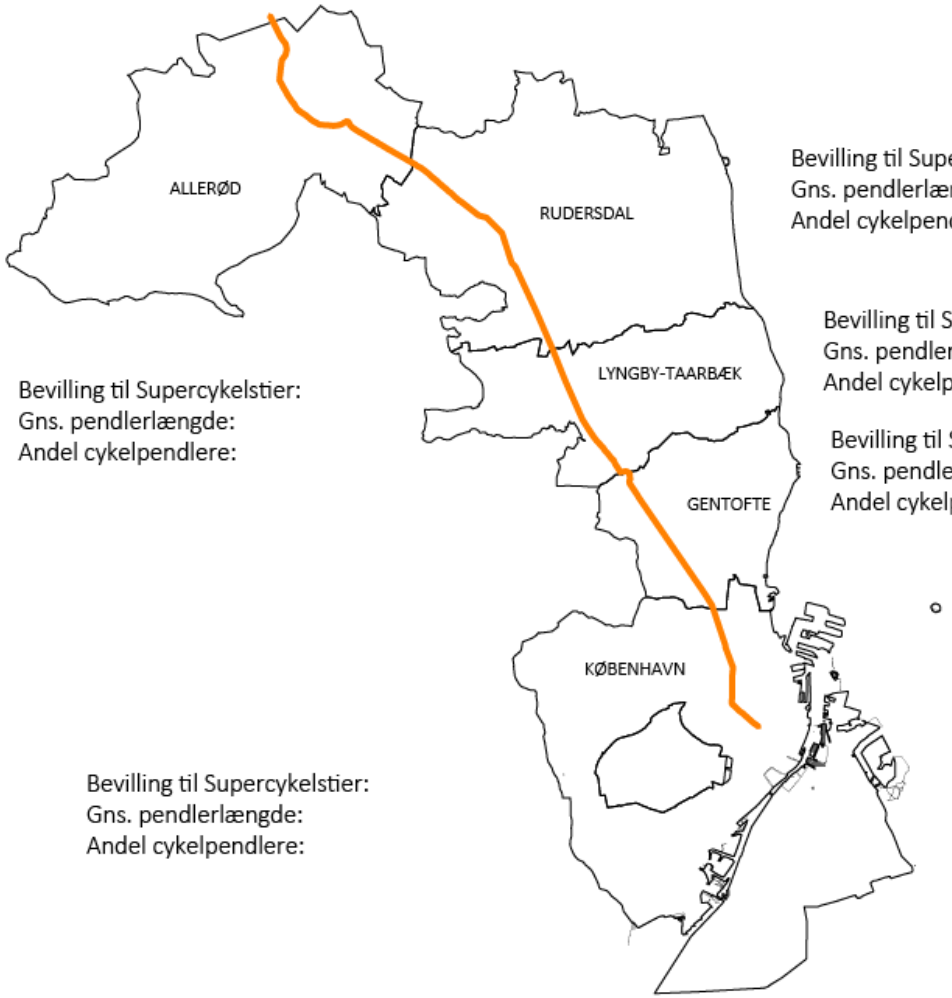


CYCLE
SUPERHIGHWAYS

ALLERØDRUTEN

30% stigning i cykeltrafik
20% nye cyklister på ruten
25% af dem kørte før i bil
Samlet anlægsinvestering:
Kalorier:

Gns. rejselængde: 14 km
Rejsetid på cykel:
Rejsetid i bil:
Heraf medfinansiering fra stat:
CO2:



Bevilling til Supercykelstier:
Gns. pendlerlængde:
Andel cykelpendlere:

Bevilling til Supercykelstier:
Gns. pendlerlængde:
Andel cykelpendlere:

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Gns. pendlerlængde:
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Gns. pendlerlængde:
Andel cykelpendlere:

Bevilling til Supercykelstier:
Gns. pendlerlængde:
Andel cykelpendlere:

(Lots of) room for improvement

- A fixed set-up to compare cycle highways – but how to evolve the methods!
- The effect of a cycle highway on car traffic – influence is almost untraceable
- Rain/ bicycle counters
- Traffic models, socio-economic analysis methods

THANK YOU!

Anna Garrett
ea5i@tmf.kk.dk
+45 2346 8553

SUPERCYKELSTIER.DK

What a pity that the graffiti tag forgets to mention that this is a car exit to the healthy, public space giving and sustainable mobility solution of the C95 Cycle Highway...