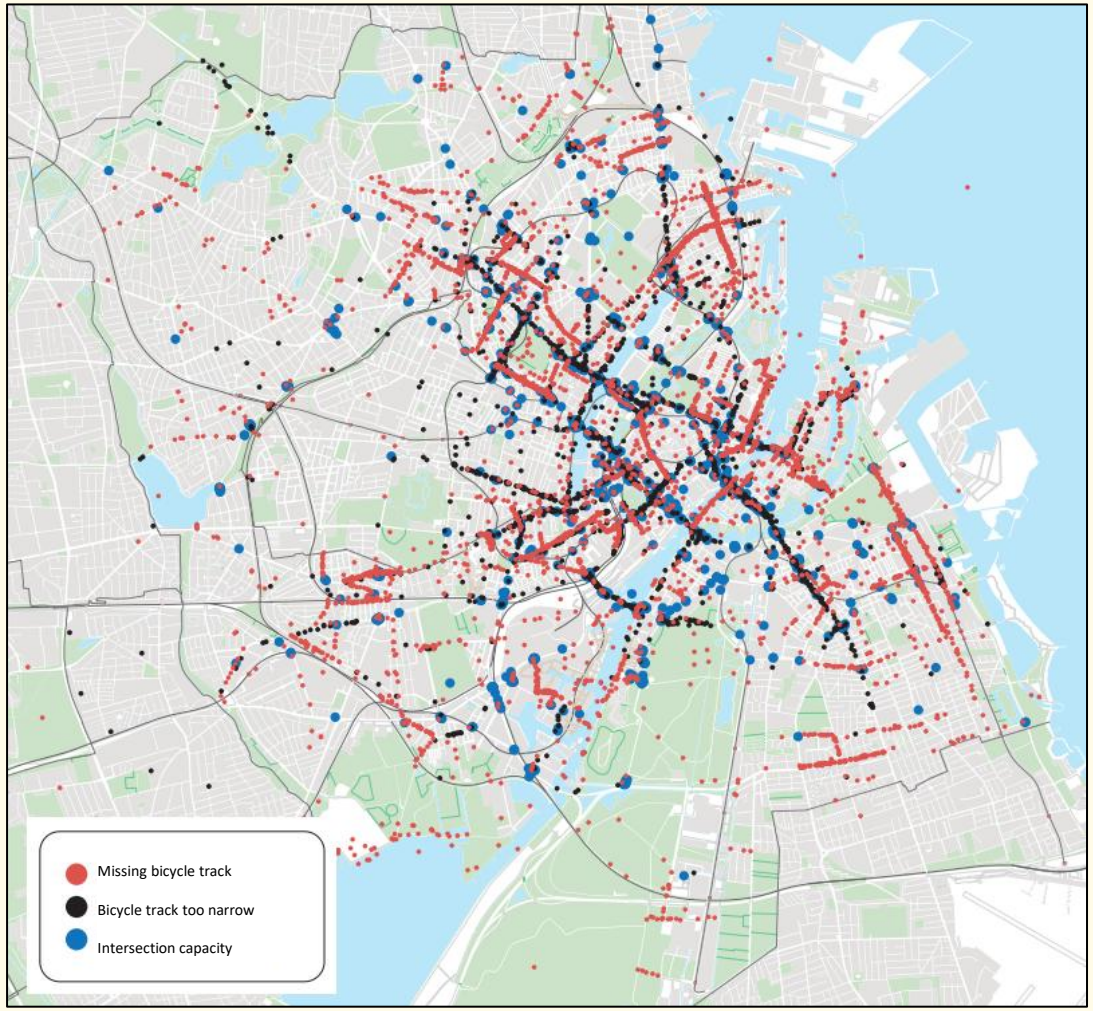
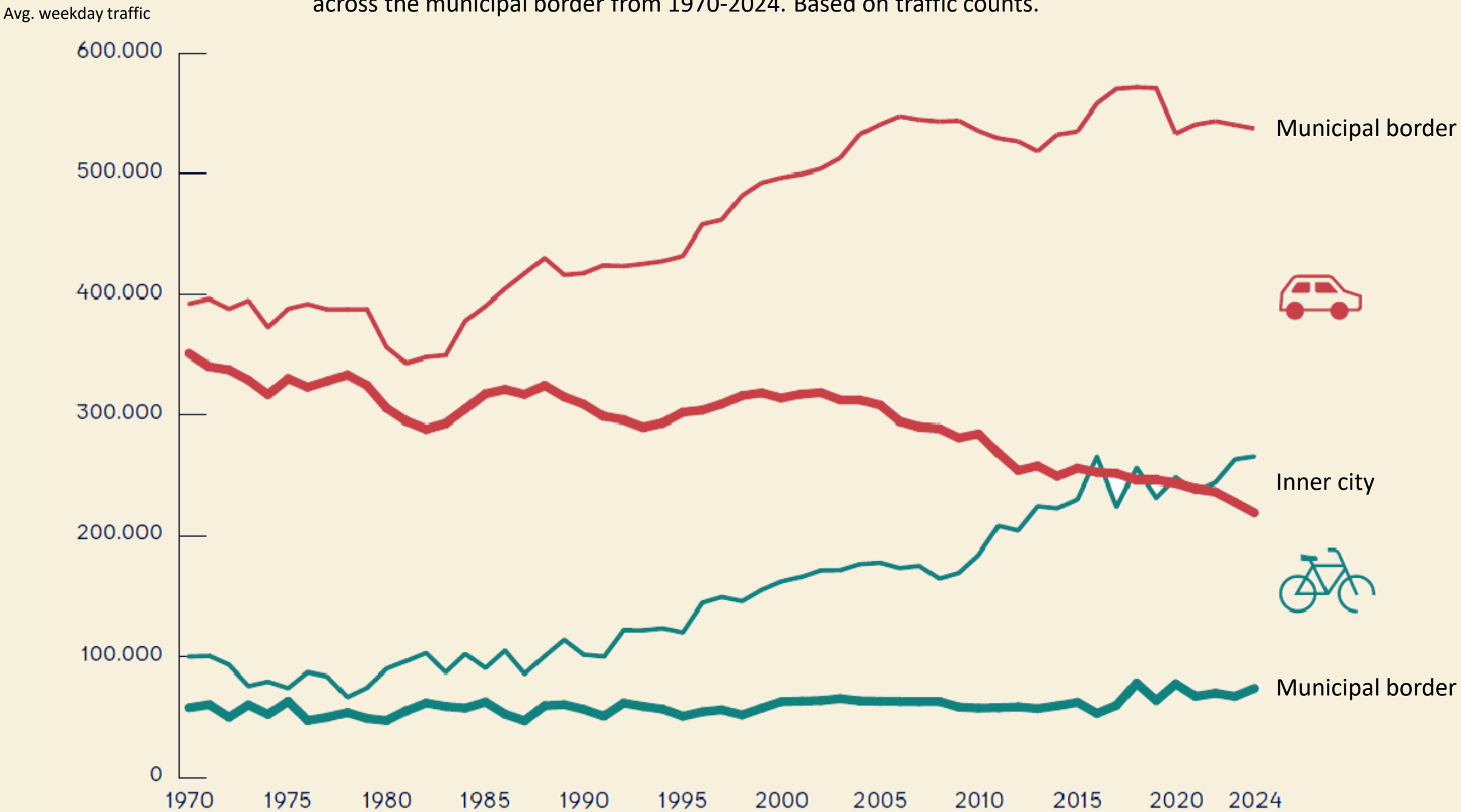
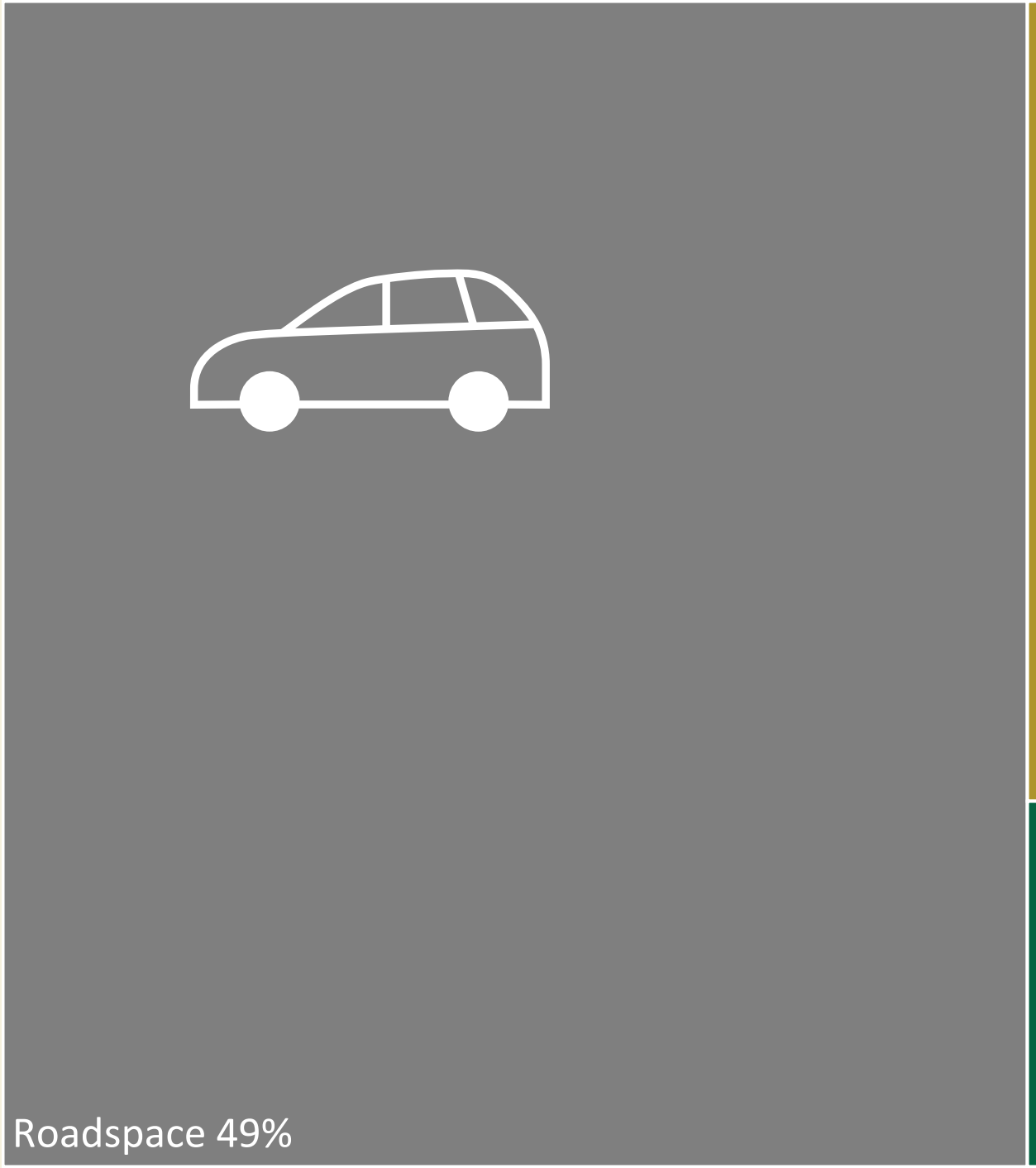
Consistency creates foundation for innovation

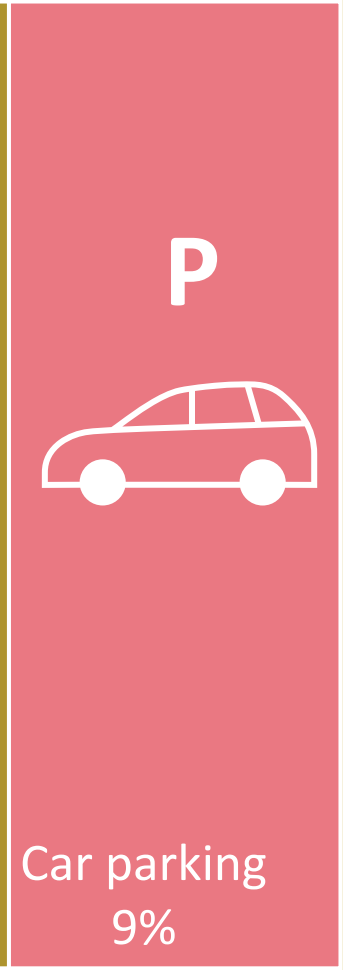


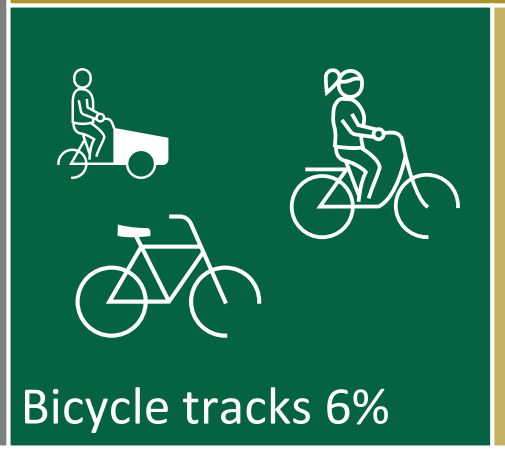
Development of car and bicycle traffic through the inner city and across the municipal border from 1970-2024. Based on traffic counts.

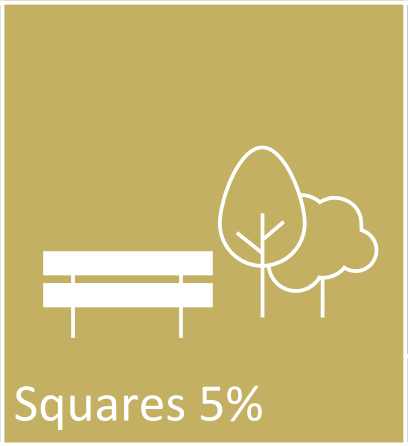



Roadspace 49%


Sidewalks 26%


P
Car parking
9%


Bicycle tracks 6%


Squares 5%


Combined bike +
walk paths 4%

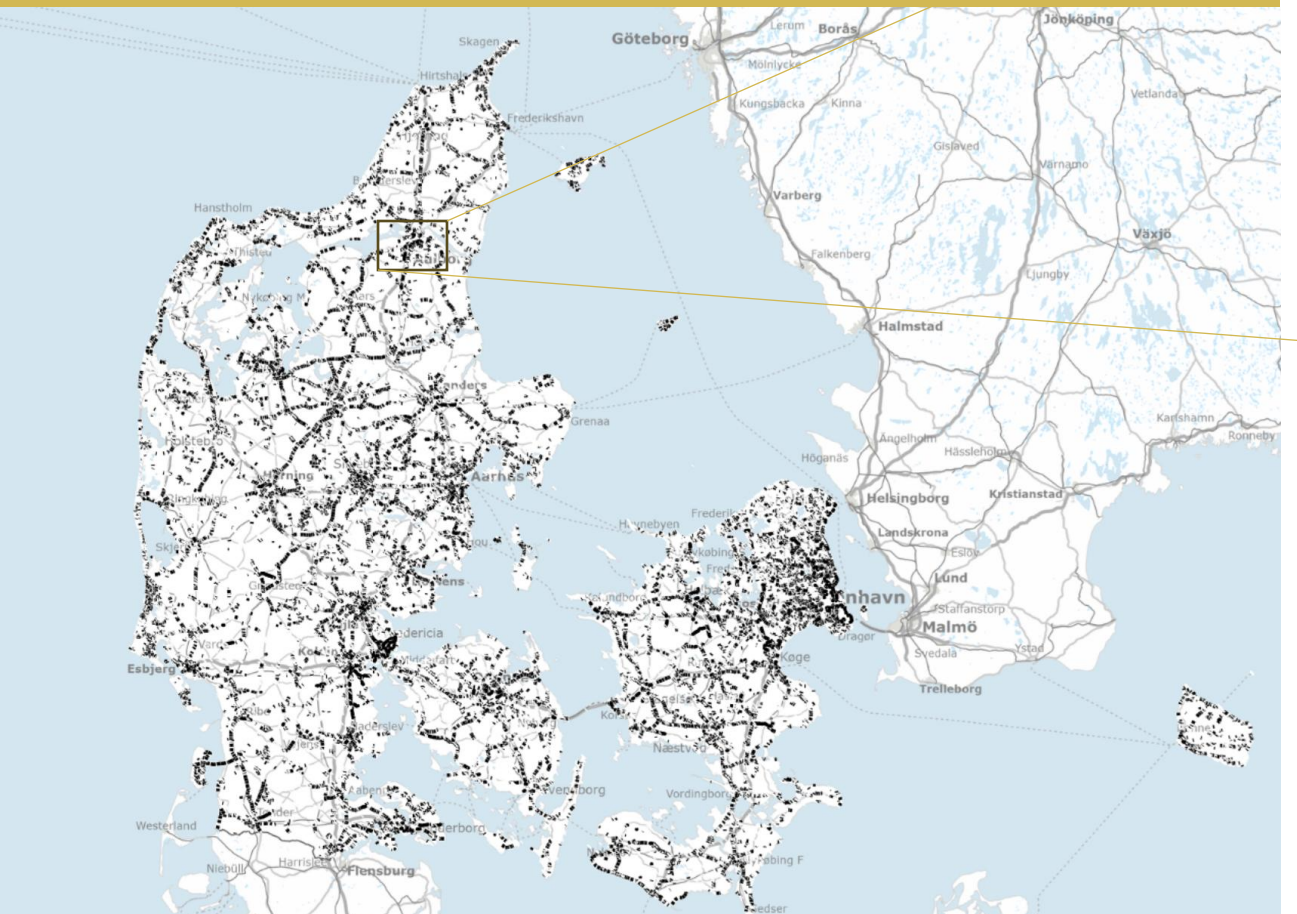

Bicycle...
P

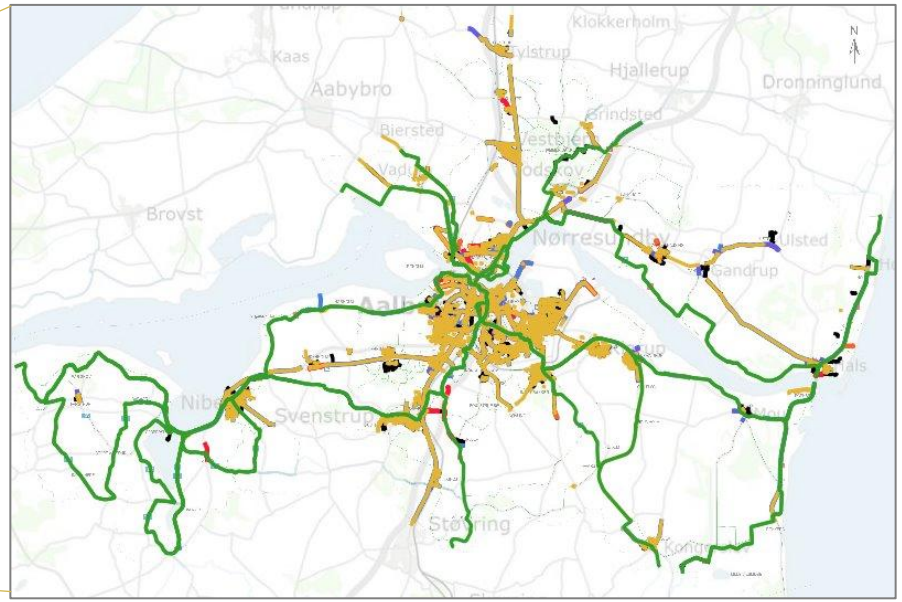
Need for numbers

Climate goals → 20% more rides

From queing (17 mio. hours pr year) to biking

1 € saved per kilometre (health care costs)





The municipal-map (printed): 428 km

Municipal administrative system: 330 km

National map: 218 km (or over +600 km)

National registre for bike routes: 674 km

OpenStreetMap: 562 km

Need for numbers

For planning - and strategies

For administration

For benchmarking

The gaps and challenges are of

- Technical nature
- Political nature
- Economical nature
- Knowledge gaps / best practices
- …
- etc

Cycling Counts:

Establishing a baseline for EU cycling data

Urban Mobility Days, Vilnius, 1 October 2025

This work has been commissioned by the European Commission under the contract number MOVE/B3/SER/2024-460

Cycling Counts partners

Cycling Industries Europe

ECF
EUROPEAN CYCLISTS' FEDERATION

EUROCITIES

TRANSPORT & MOBILITY LEUVEN

RUPPRECHT CONSULT
Forschung & Beratung GmbH

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Objectives

Roadmap to a robust EU cycle data development framework

OBJ 1 Define an initial methodology for the collection of relevant cycling data

OBJ 2 Collect the data to establish a baseline

OBJ 3 Define a methodology for the progress monitoring towards further infrastructure development against the baseline

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Methodology for the establishment of the baseline

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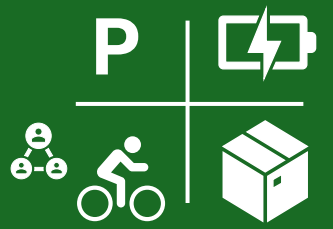
Data domains

Cycle network

Cycle use

Safety of cyclists

Cycle services



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Data collection:
Preliminary Results
CYCLING
COUNTS

Data domains

Cycle network

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Cycle network

Key indicators: EU Summary

	Cities	Towns and suburbs	Rural areas	Outside LAU	Unknown	Total
Cycle tracks	60,729 km	105,880 km	70,493 km	189 km	66,056 km	**303,346 km**
Cycle lanes	6,311km	8,300 km	4,481 km	3 km	10,986 km	**30,080 km**
Cycle-friendly mixed traffic	121,758 km	197,823 km	128,054 km	64 km	133,322 km	**581,021 km**
Total network	**188,798 km**	**312,002 km**	**203,028 km**	**256 km**	**210,364 km**	**914,447 km**
Contraflow cycling	8,067km	4,700 km	854 km	1 km	5,954 km	**19,576 km**

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	NVDB (Swedish national road database)	NVDB km	OpenStreetMap	OSM km
Cycle tracks	Cycle track, mandatory	77.8	Cycle track	9394.4
	Pedestrian and cycle track, divided	488.9		
	Pedestrian and cycle track	22977.2	Cycle and pedestrian track	15899.5
	Cycle crossing	195.1		
	Cycle crossing with priority	7.7		
	Cycle and pedestrian crossing	120.9		
	Cycle and pedestrian crossing with priority	9.1		
	Total	**23876.6**	**Total**	**25293.9**
Cycle lanes	Cycle lane	316.6	Cycle lane	261.8
			Bus and cycle lane	1.1
	Total	**316.6**	**Total**	**262.9**
Mixed traffic	Cycle street	5.6	Cycle street	6.0
	30 km/h roads	16838.6	30 km/h roads	18780.7
			Specific service road	3738.2
	Total	**16844.3**	**Total**	**22524.9**
	Contraflow cycling	**N/A**	**Contraflow cycling**	**86.8**

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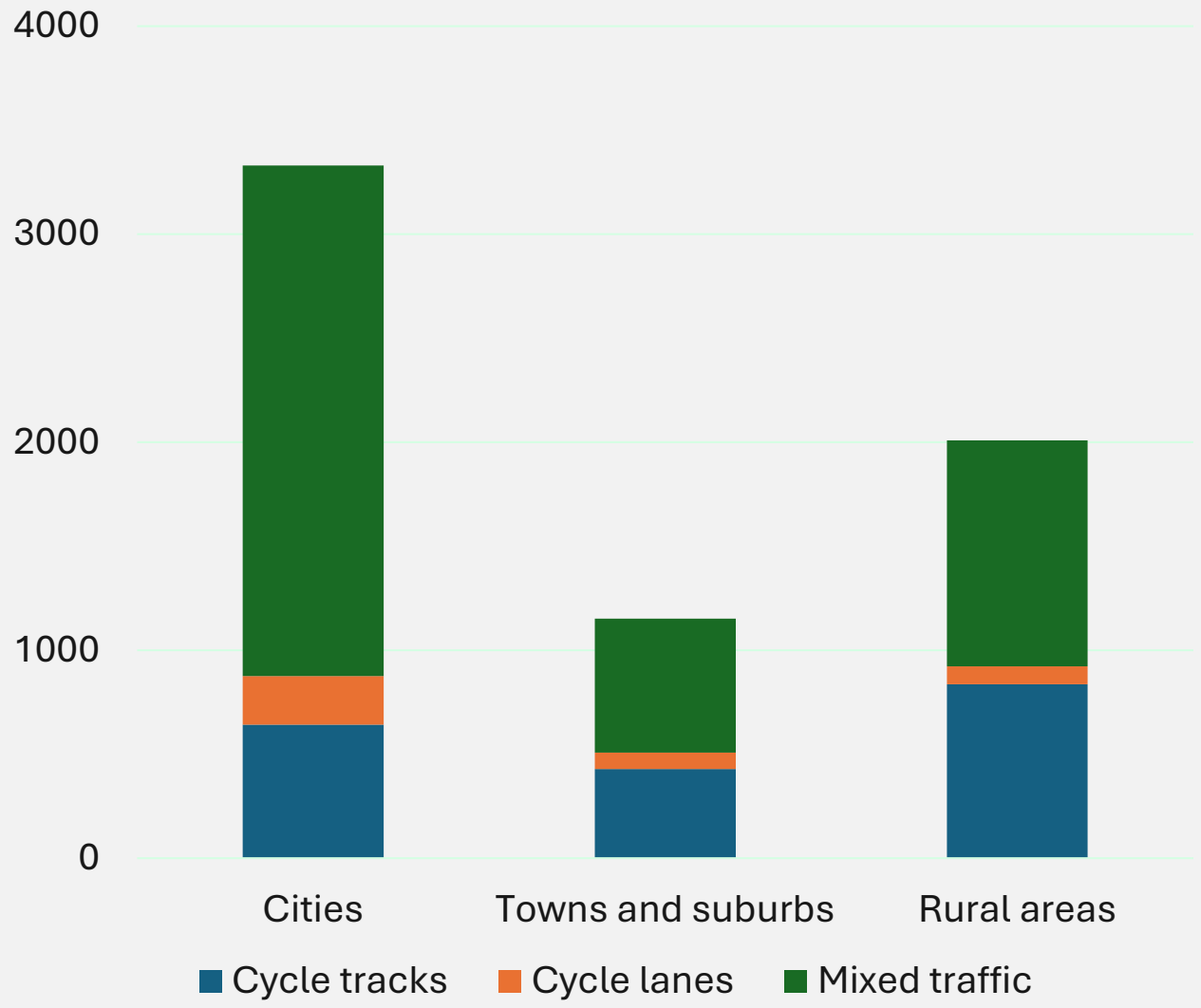
Cycle network

Baseline data calculated for each Local Administrative Unit ->

- Type of infrastructure vs type of area
- Cycle network "densities" in relation to area, population, public road network
- ...



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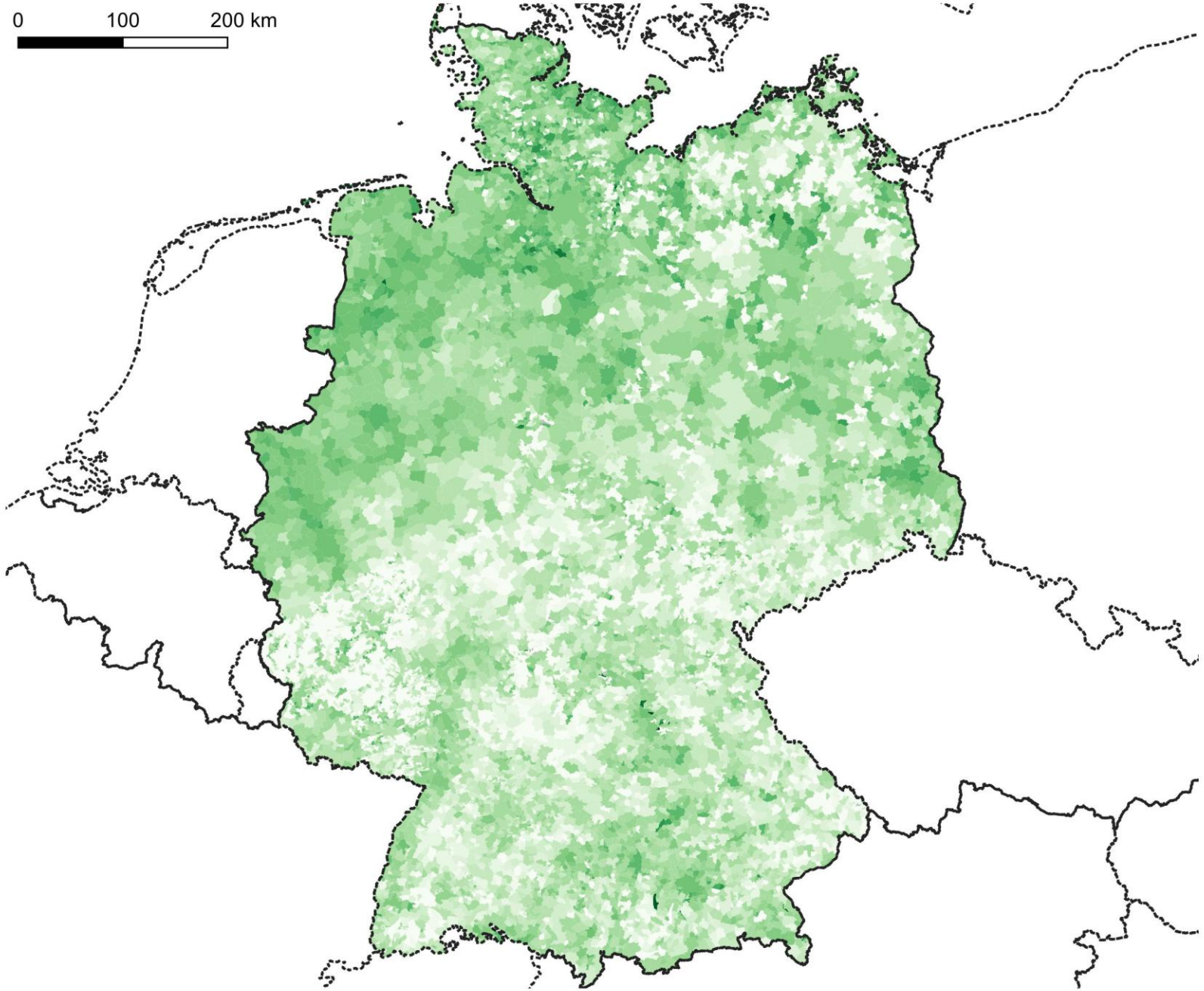

Cycling counts

Ratio of length of cycle tracks and lanes to public road network

- 0 - 0,005
- 0,005 - 0,01
- 0,01 - 0,02
- 0,02 - 0,03
- 0,03 - 0,05
- 0,05 - 0,07
- 0,07 - 0,1
- 0,1 - 0,15
- 0,15 - 0,2
- 0,2 - 0,25
- 0,25 - 0,3
- 0,3 - 0,4
- 0,4 - 0,5
- 0,5 - 0,6
- 0,6 - 0,7
- 0,7 - 0,8
- 0,8 - 0,9
- 0,9 - 1
- 1 - 1,2
- above 1,2
- no roads

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Availability of quality parameters

	NVDB	OSM
% of cycle tracks with surface type known	(100%)	74%
% of cycle lanes with surface type known	(100%)	87%
% of cycle tracks with surface quality known	n/a	5%
% of cycle lanes with surface quality known	n/a	4%
% of cycle tracks with width known	32%	3%
% of cycle lanes with width known	32%	n/a
% of cycle tracks with lighting known	(100%)	23%
% of cycle lanes with lighting known	(100%)	24%
% of all roads with speed limit known	100%	49%
% of all roads with traffic volume known	47%	n/a

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Data domains

Cycle use

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Cycle use

Key indicators: EU summary

Cycle use

Share of population (15+) that cycles to and from places at least once a week: 23.6% (range: 0.6% – 61.3%)

Female population (15+): 20.0%

Male population (15+): 27.6%

Source: European Health Interview Survey, third wave 2019 (hlth_ehis_pe3e)

	EU-wide travel survey 2021	National travel surveys
Cycling modal share	7.8% (of all trips < 300km) (range: 0.8% - 28.0%)	*no harmonised/comparable data available*
Kilometres cycled per year per person of the reference population	512 km per person (population aged 15-84)	

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Cycle use

Additional indicators

Age groups

EU-WIDE TRAVEL SURVEY 2021 (% OF ALL TRIPS < 300 KM)

Age 15-29	14.4 %
Age 30-64	10.5 %
Age 65+	9.2 %

NATIONAL TRAVEL SURVEY 2023 (% OF ALL TRIPS)

Age 0-6	9 %
Age 7-10	13 %
Age 11-13	18 %
Age 14-17	16 %
Age 18-29	8 %
Age 30-39	8 %
Age 40-49	7 %
Age 50-59	8 %
Age 60-64	7 %
Age 65-74	6 %
Age 75-79	6 %
Age 80+	5 %

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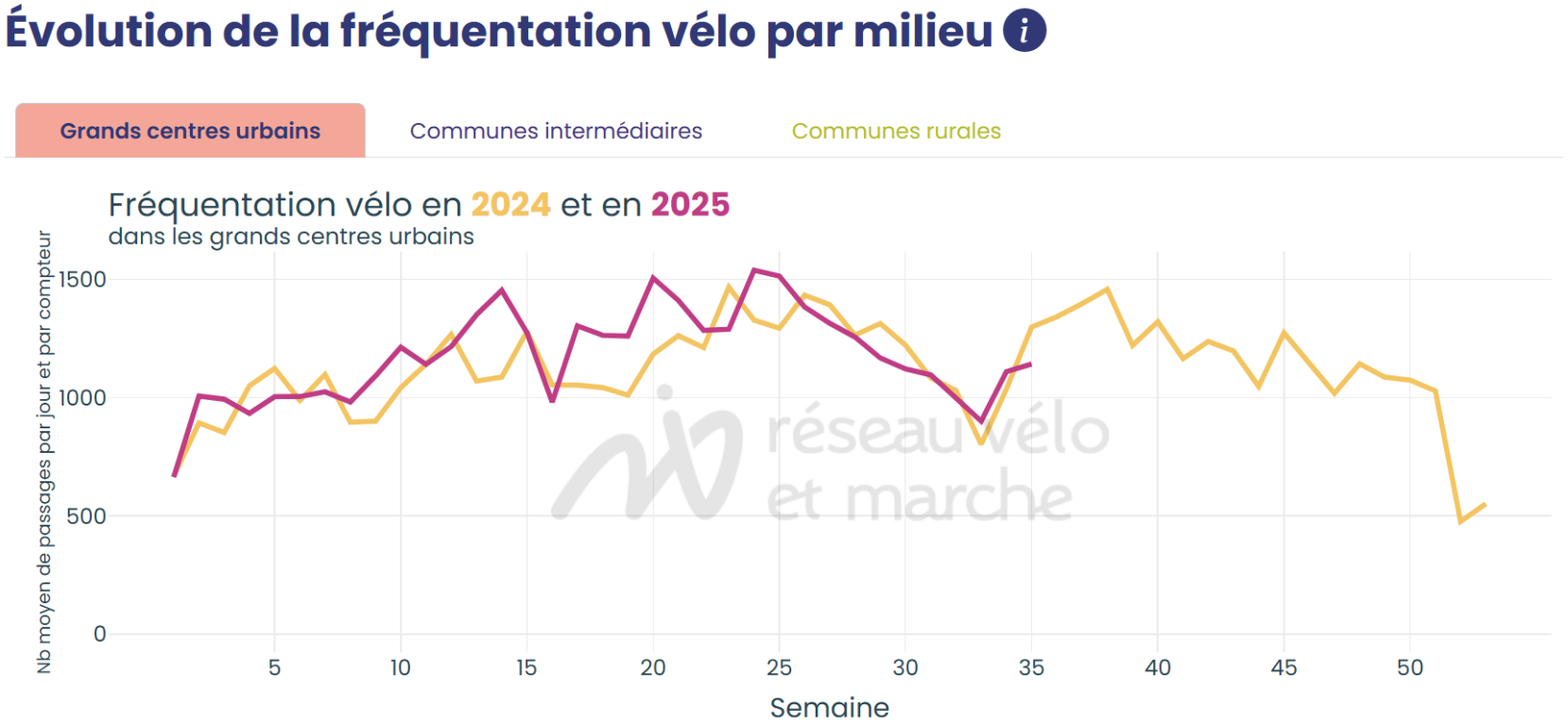
Cycle use

Additional data sources

Data from a national sample of automatic counters – tracking cycle traffic (almost) in real time



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Data domains

Safety of cyclists

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Safety of cyclists

Key indicators: national summary

(no EU summary available due to lack of harmonisation of exposure data)

Cyclists' safety

	Base for exposure data: EU-wide travel survey 2021	Base for exposure data: National Travel Survey 2023
Cyclist fatalities: 3-year average (Source: CARE Public Dashboard)	25 (2020-2022)	25.3 (2021-2023)
Cyclist fatalities per 100 million kilometres cycled	0.66	0.95

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Safety of cyclists

Additional indicators

Number of serious cycling injuries in 2022 reported through the hospital system	**4,996**
of which EPACs	198
Number of light cycling injuries in 2022 reported through the hospital system	**10,480**
of which EPACs	459

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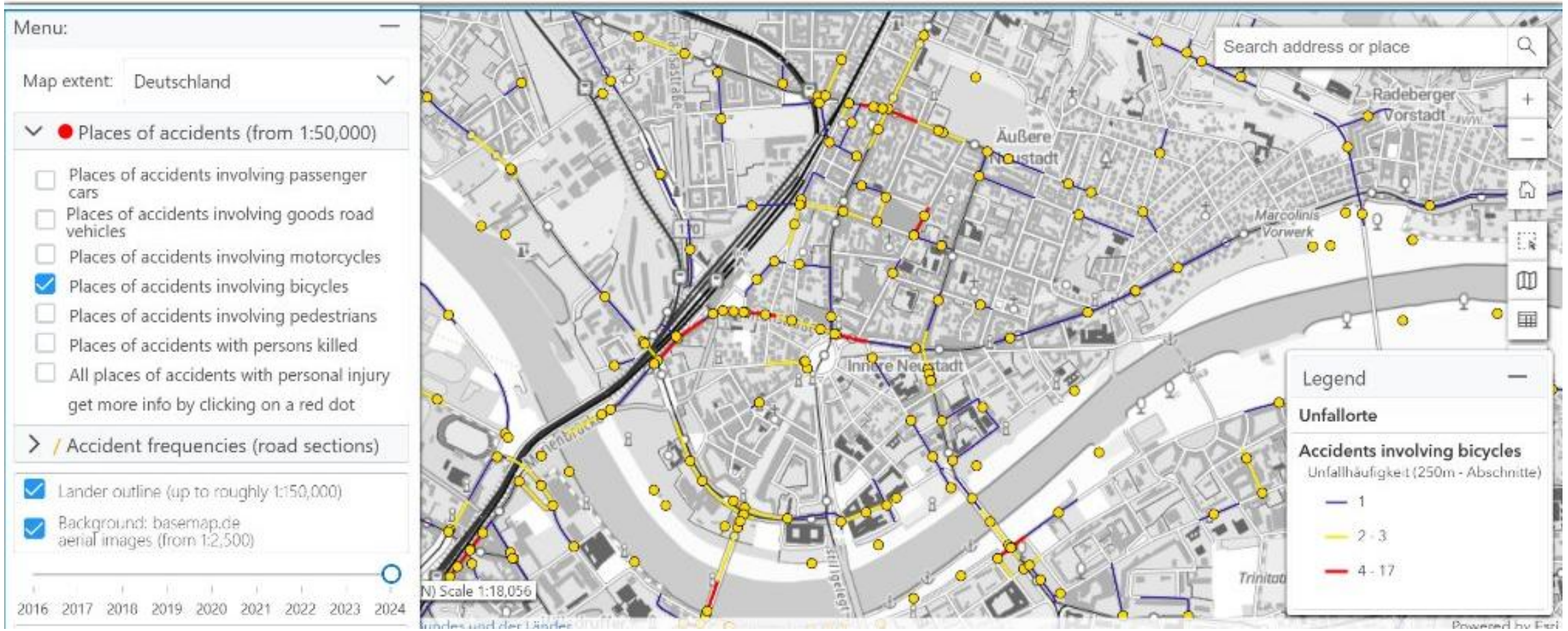
Safety of cyclists

Additional data sources



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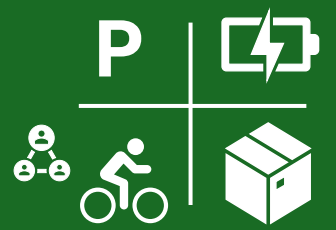
Data domains

Cycle services



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Cycling services

Selection of services + status

	Bike Sharing	Cycle Logistics	Cycle parking
Standardised indicators agreed?	Y	Y	Y Based on MMTIS data
Definitions of the data?	Y	Y	Via NAPCORE: MMTIS required
A method of collection?	Y	For certain sub-sectors Not comprehensive	Possible
EU-wide data sets?	Y 21 countries very good	Tested method in 3 countries only	OSM only – with wide gaps in coverage

CYCLING COUNTS

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Cycling Services

Key indicators

Bike sharing - EU data set

Number of cities over 150k population with bike sharing	204 of 292 (70%) - range from 0-100%
Fleet size	289,000, of which 44% e-bike (Range from 2% to 100% e-bike share)
Fleet size relative to population	0.6 bikes per 10k population (Range from 0 to 15 bikes per 10k)
Trips	200 million per year
Trips contribution to EU mode share	0.9% of all cycling trips (Range from 0 to 4.5%)

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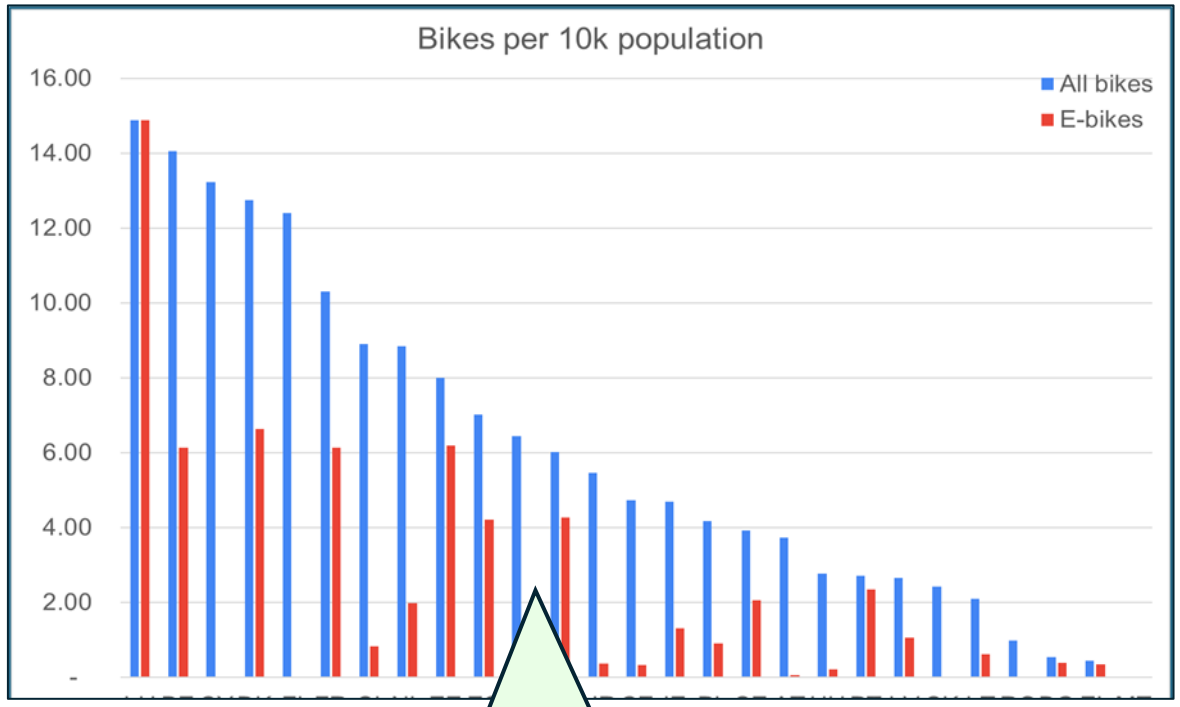
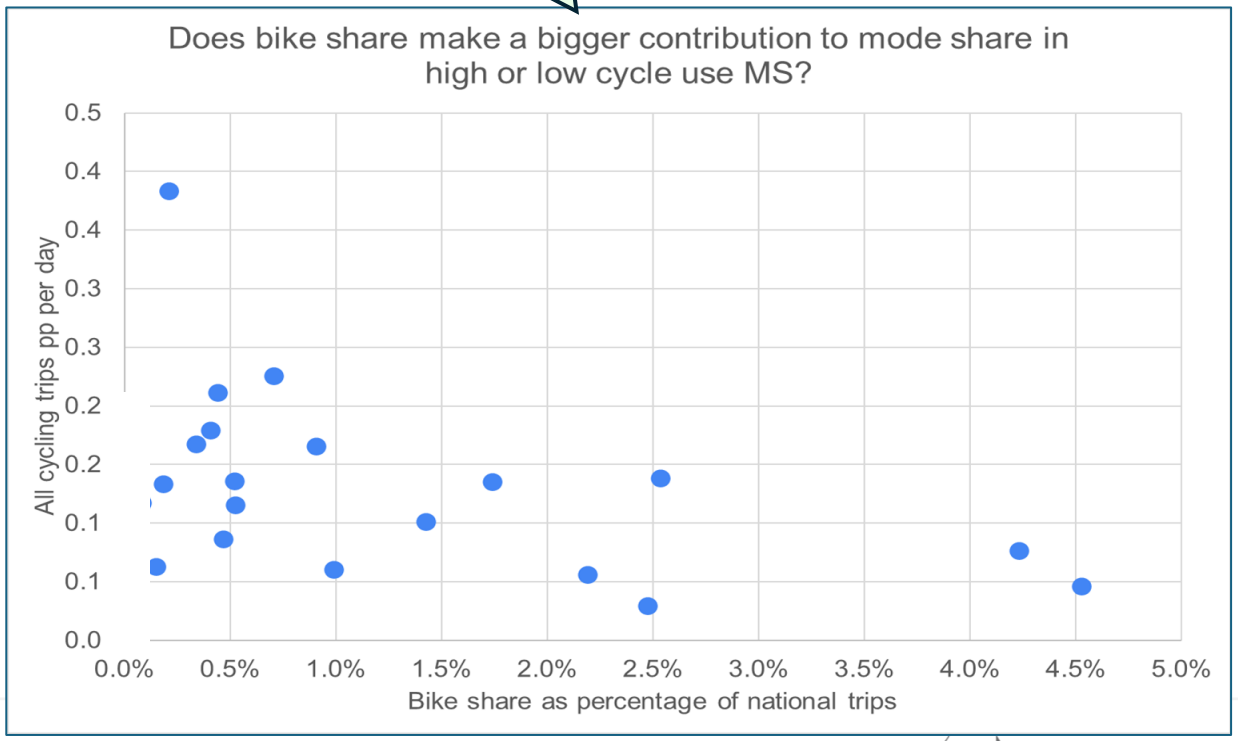
Overall:
The data is distinctive enough to be analysed for trends



Within data components
e.g. sharing

Across data components –
e.g. cycle use and sharing



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Next step: Defining methodologies for future data collection

CYCLING COUNTS

Methodology for future data collection

A robust EU cycle data development framework

Take stock of available data and collection maturity in Member States

Define levels of data availability and data collection maturity

Develop recommen-dations on how to reach these levels

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THANK YOU!
CYCLING
COUNTS