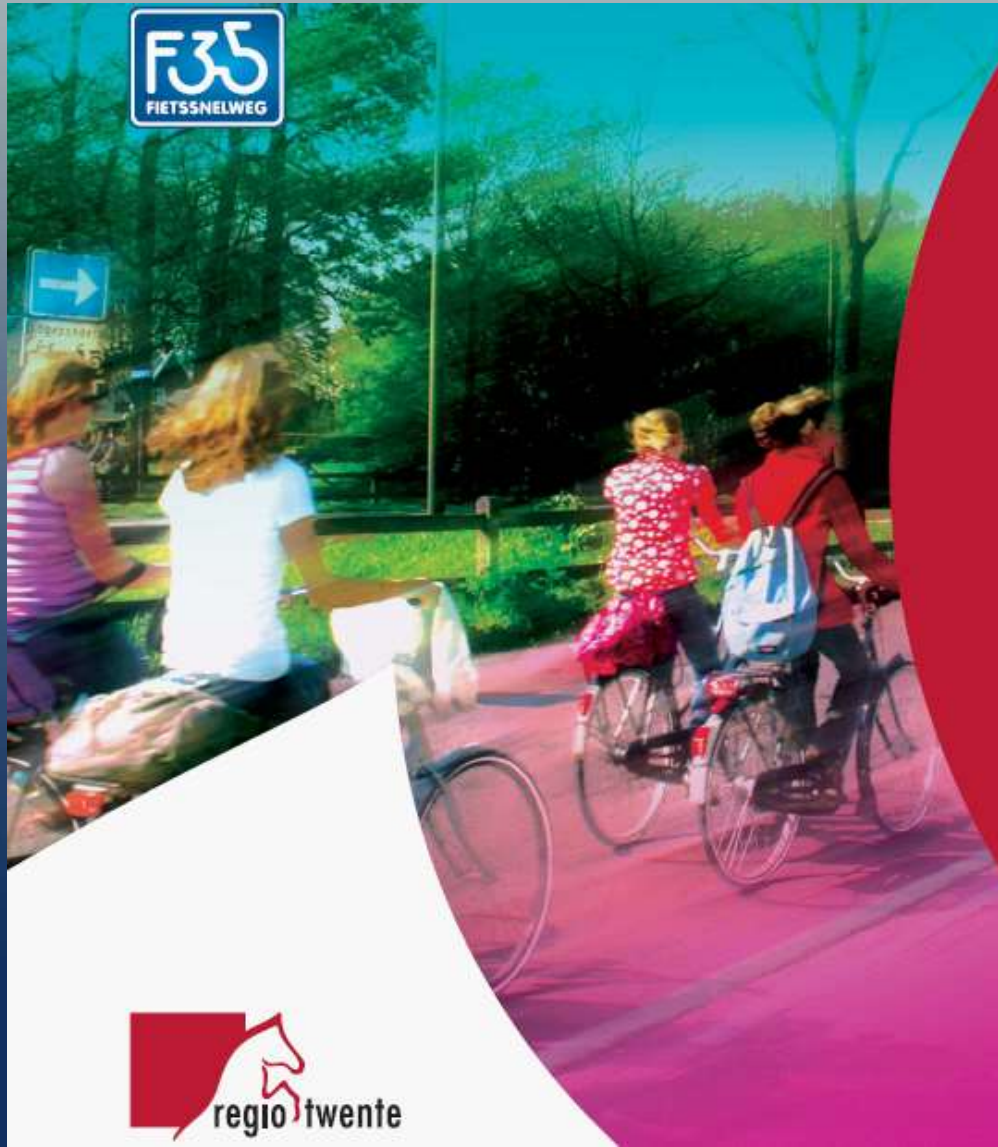


Bicycle and hiking trails

Rad- und Wanderwegenetze



In Borne

Trakai
16 may 2013

Joachim Wissink

Index

Modal split and bike use

Bicycle trails

- Utilitarian
- Recreation / Leisure

Hiking trails

- Short tours
- Running trails



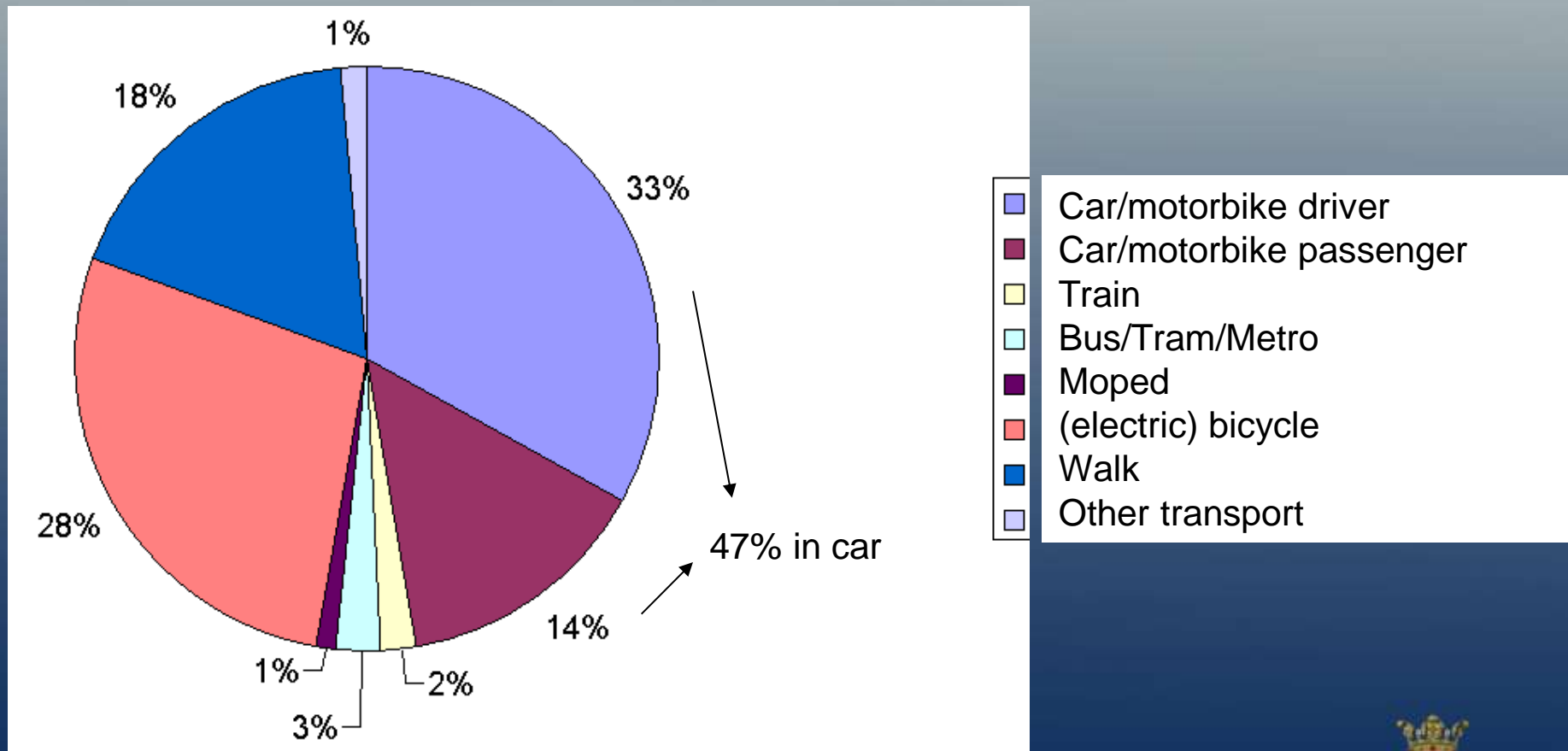
Question

Who has no bike?

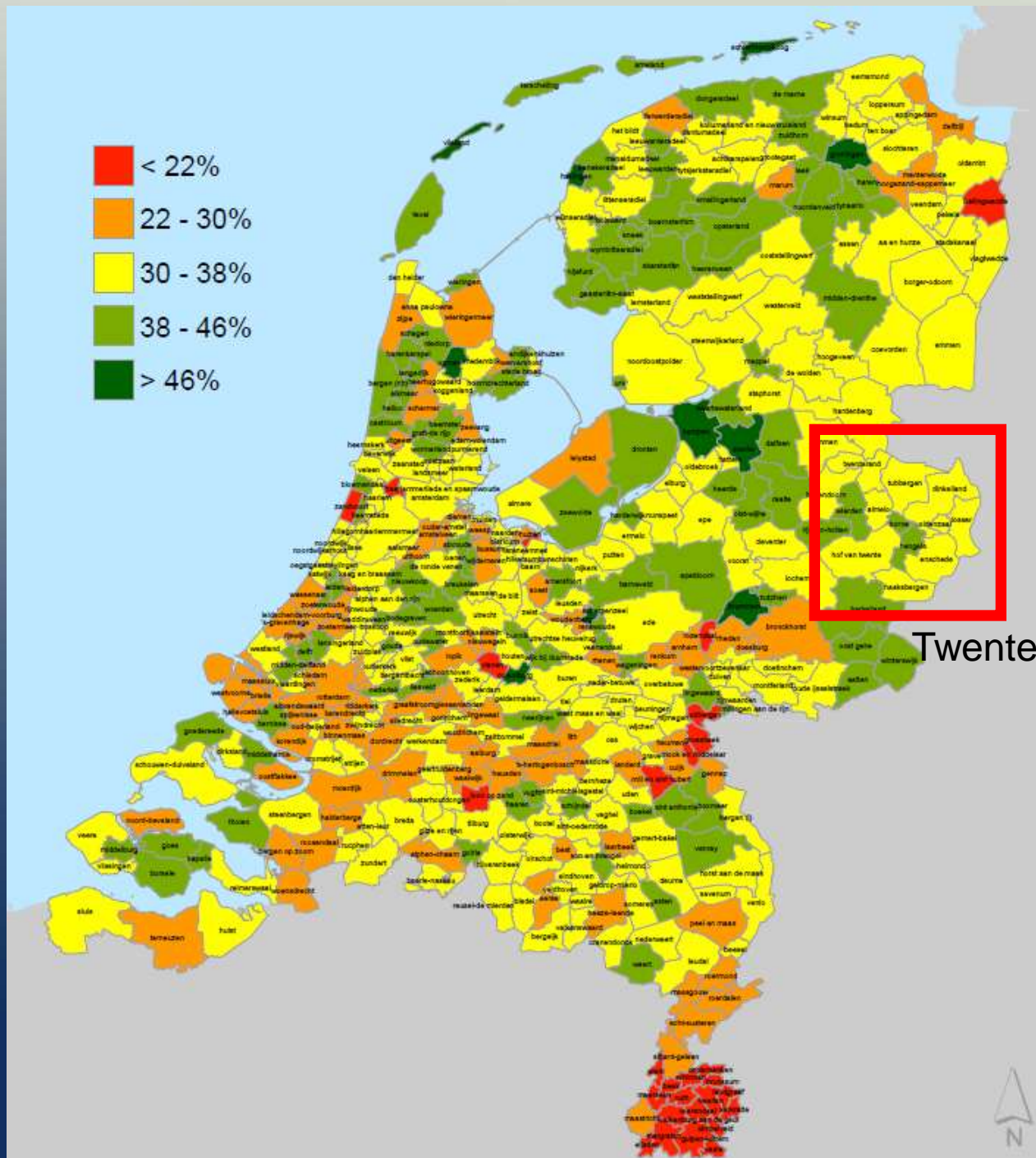
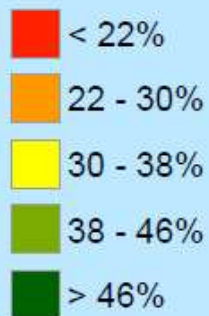
- 16.785.252 inhabitants in the Netherlands (5 may 2013)
- 19.000.000 bicycles in the Netherlands
- 84 % one or more bicycles
- Average 900 km per year



modal split in the Netherlands



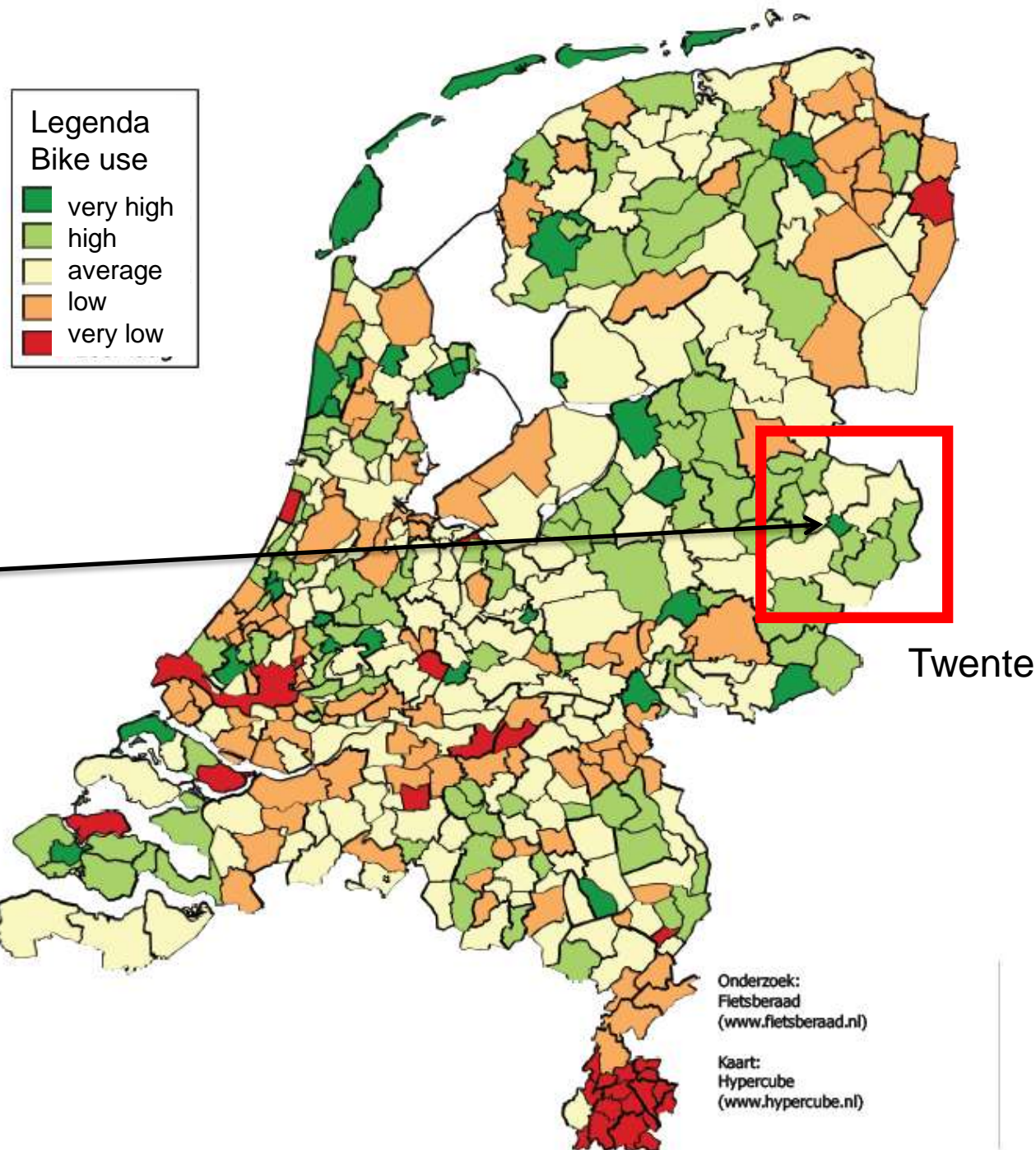
bike use trips < 7,5 km



Twente

bike use

Borne



Source; Fietsberaad
2010



Twente

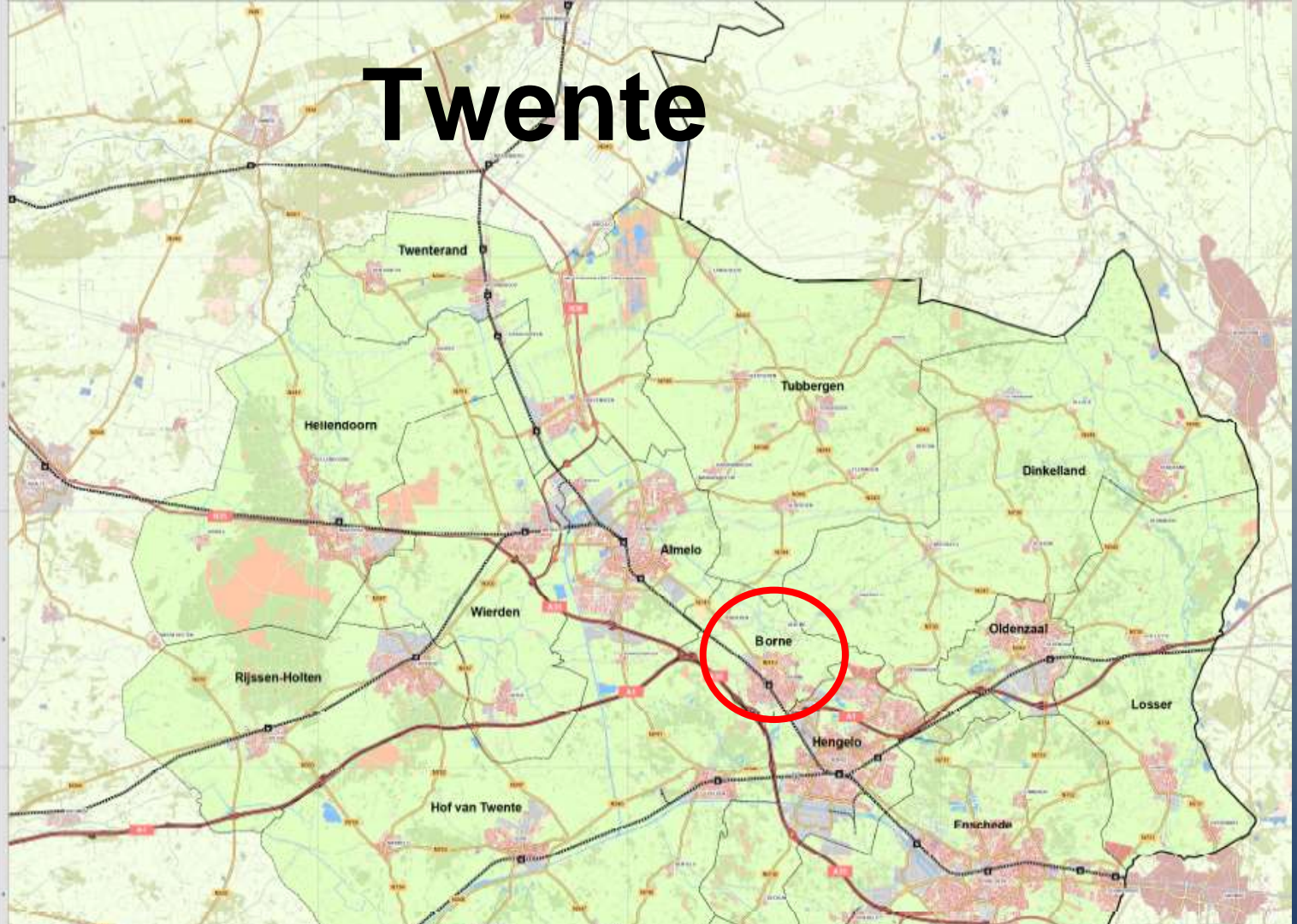
Basiskaart Twente 2010

Legenda

- station
- aansluiting station
- snelweg
- hoofdweg
- rivier
- gemeentegrens
- gemeente

- water
- bos
- bebouwd gebied
- landbouwgebied
- water

- water
- bos
- bebouwd gebied
- landbouwgebied
- water



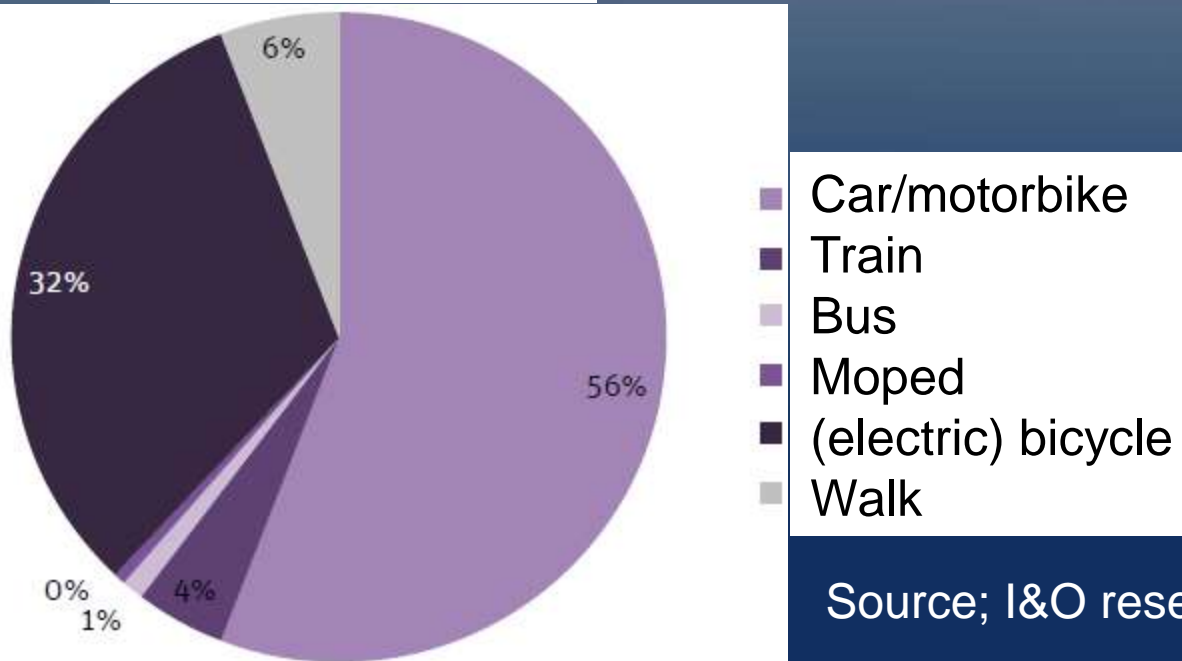
- Highway
- Railway line
- Waterway



modal split in Twente

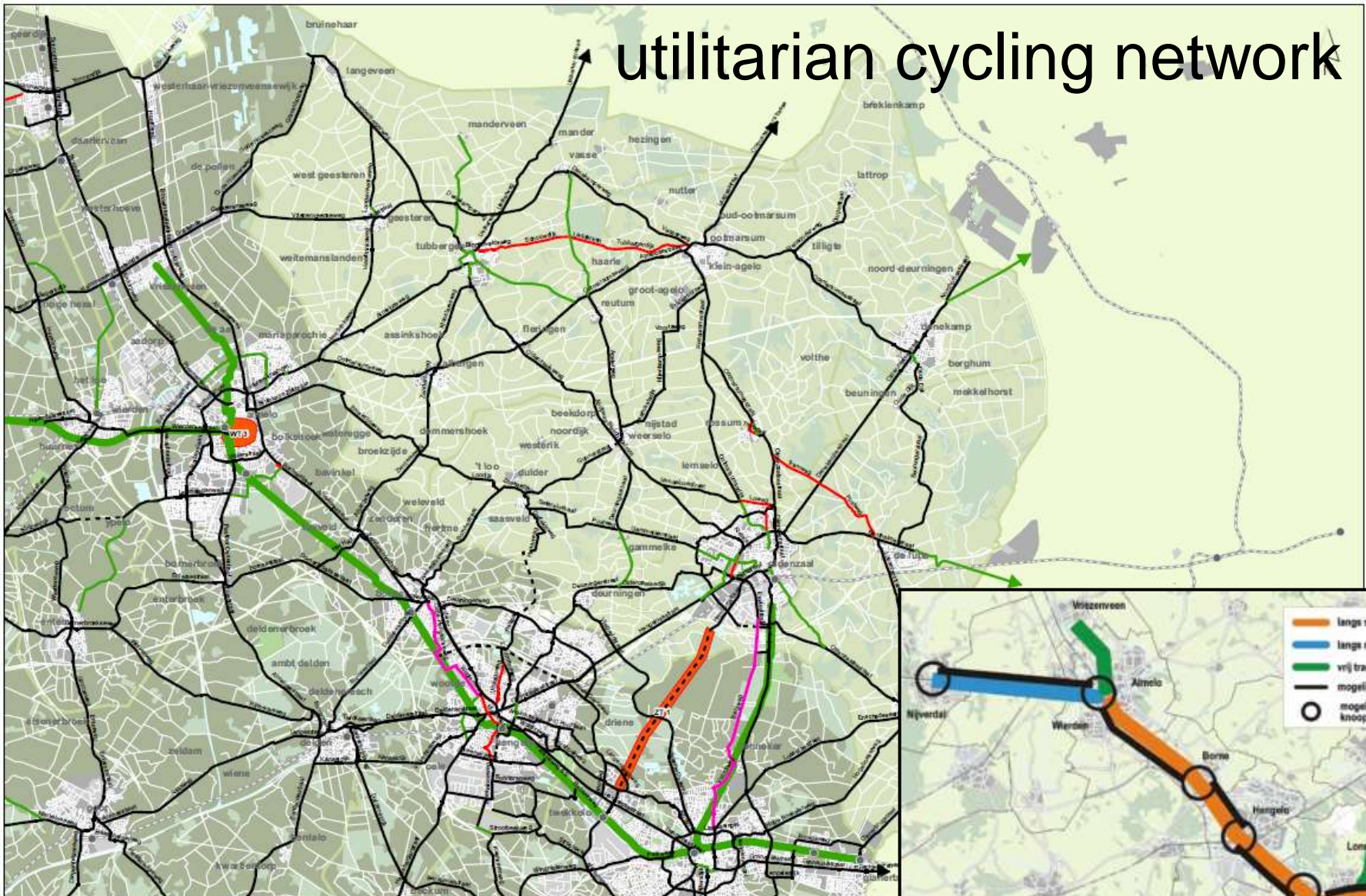
- Twente is a *Daily Urban System*
- 90% of all trips stay within Twente
- 67 % of all car trips is < 10 km
(50 % of these trips is < 3,7 km)

Modal split of all trips



Source; I&O research 2012

Main cycling network Twente



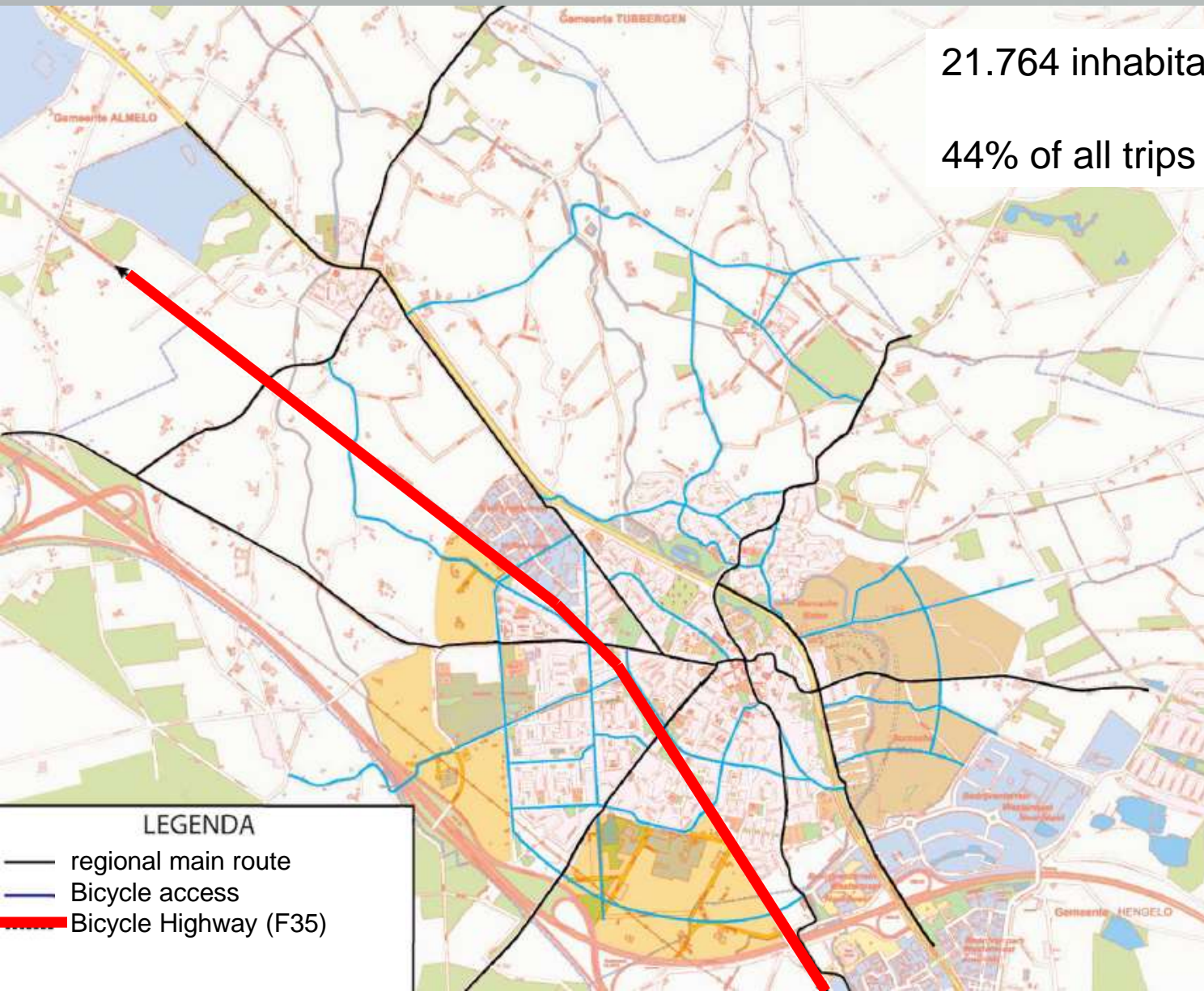
Noordoost Twente

Noordoost Twente

Cycle network Borne

21.764 inhabitants (1 jan. 2013)

44% of all trips < 7,5 km by bicycle



LEGENDA

- regional main route
- Bicycle access
- Bicycle Highway (F35)



GEMEENTE BORNE

Cycle network Borne

30 km zone

Access
roads in the
city



The cyclist on the road



Cycle network Borne



50 km roads



Cycle network Borne



50 km roads



Cycle network Borne



Bycicle and priority

Roundabouts
in and outside
the city

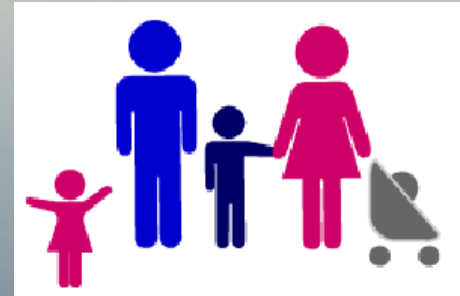


Cycle network Borne

Access roads
outside the city in
the green zone



Why are there differences in bike use



traffic policy
cycling policy

spatial and
spatial-economic
characteristics

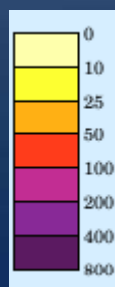


Differences
in bike use



characteristics of
resident population

physical
characteristics



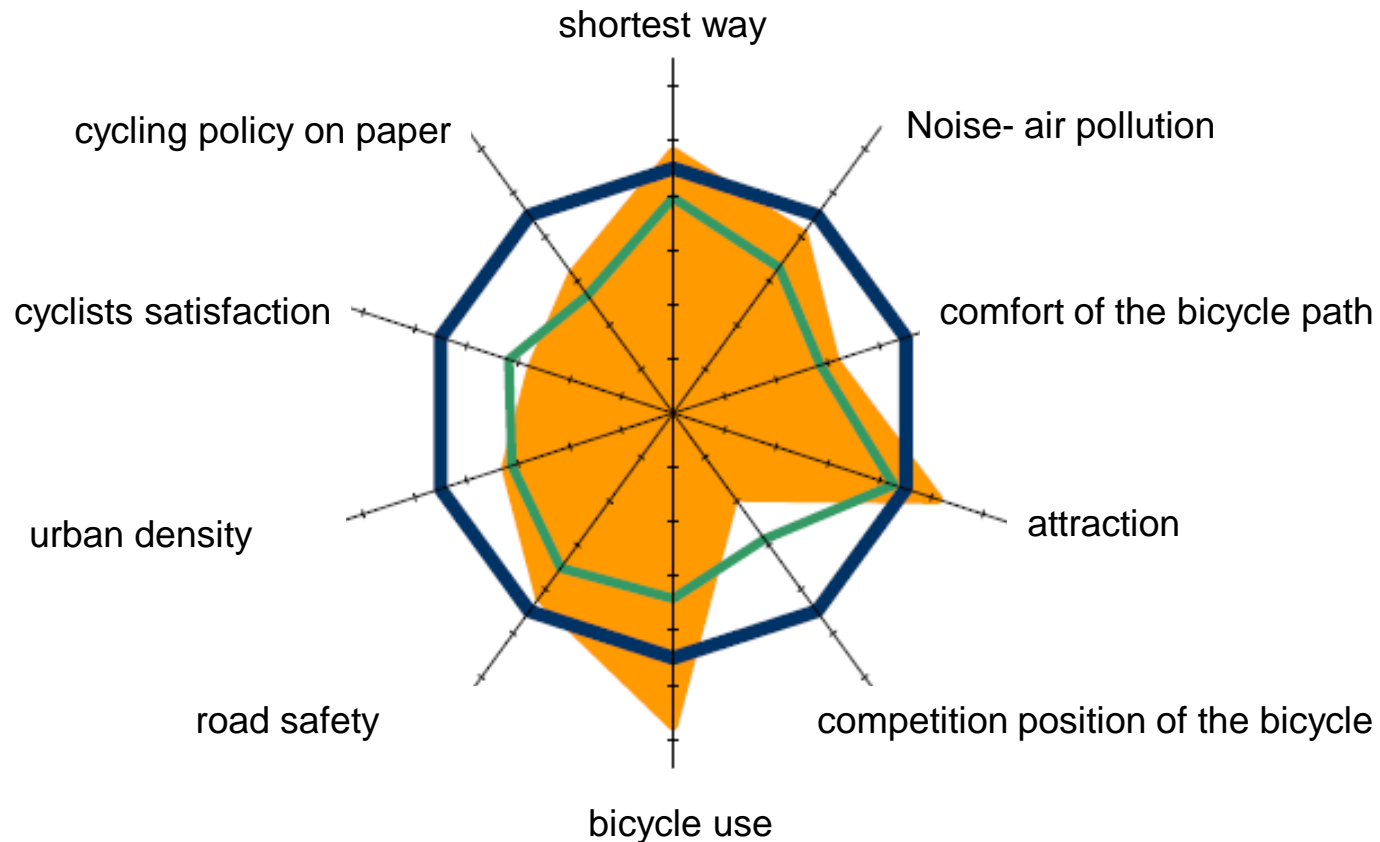
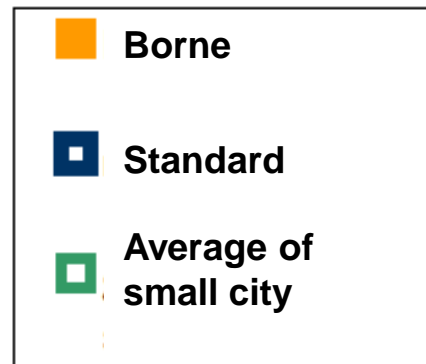
Inhabitants per km2



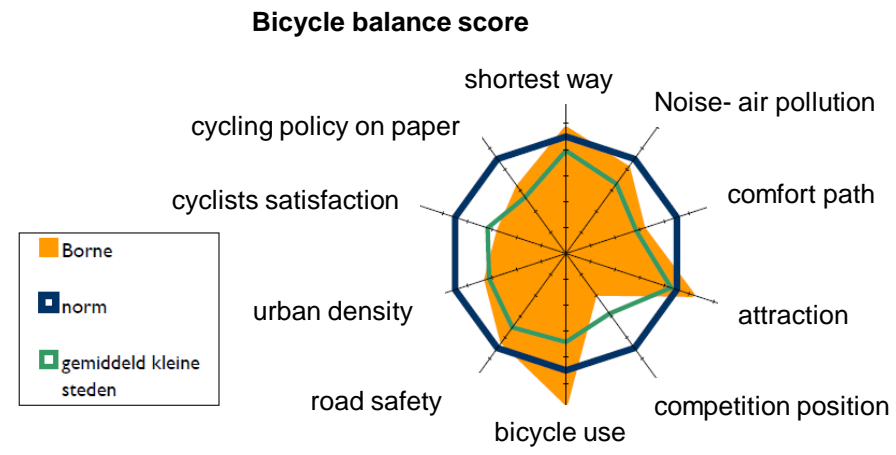
Bicycle balance sheet 2001



Bicycle balance score



Borne improve



- competition bicycle versus car

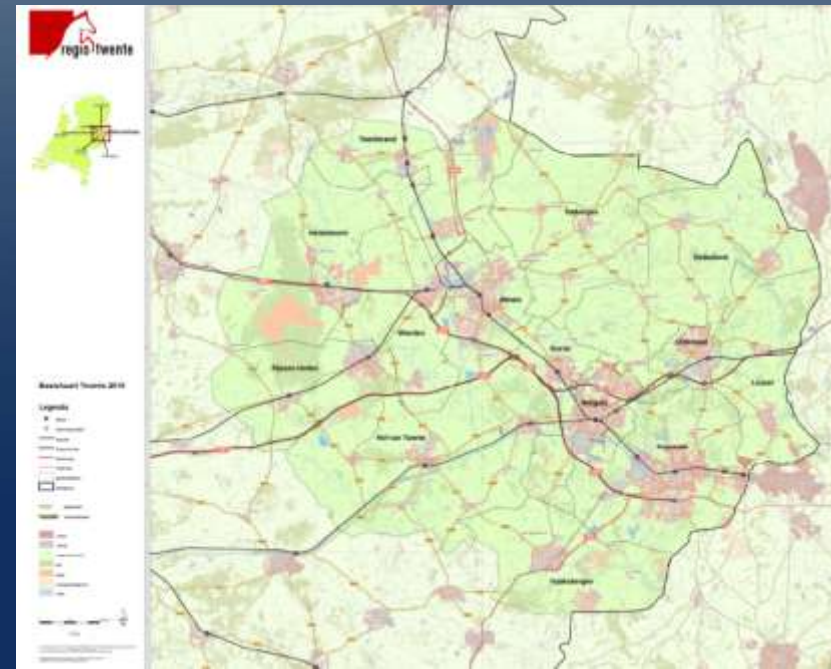
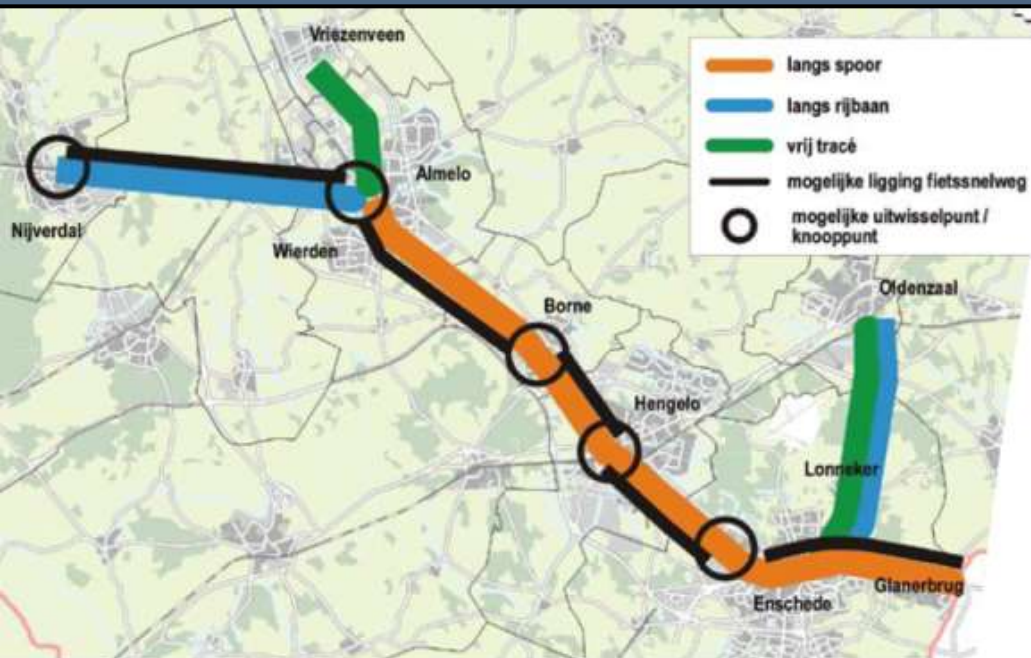
- + implement the Bicycle Highway (F35)
- + implement better bicycle parking
- + implement the e-bike
- + cycling is trendy (bike)



- comfort of the bicycle paths / lines

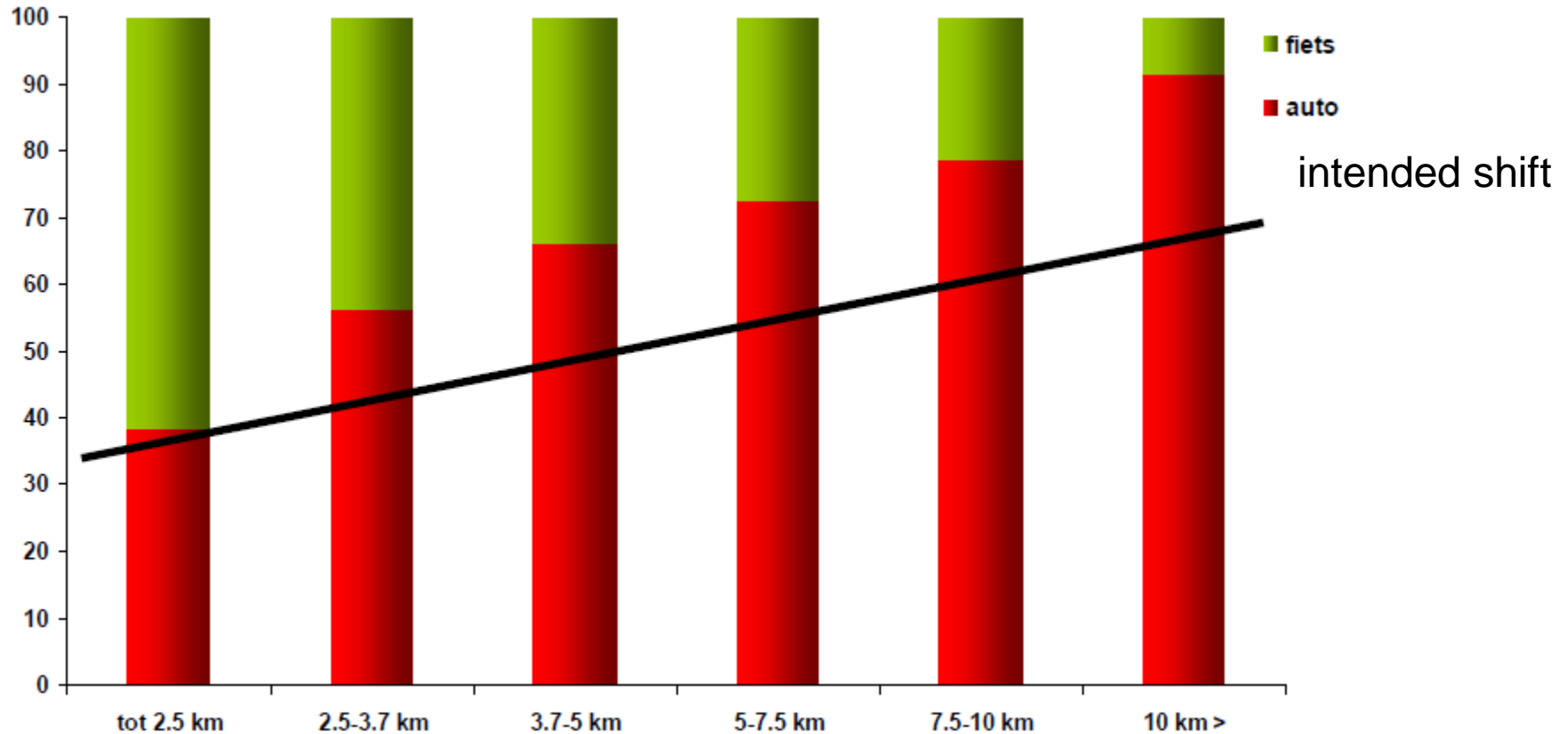
- + separate cycle paths or lines
- + use of smooth surface (asphalt)







% bike and car to distance



In 2012; 16% of all sold bikes was an e-bike
(171.000 of 1.039.000)



GEMEENTE BORNE

Cycle facilities / chain mobility



bike – train
or
car – train



Cycle facilities

Charging e-bike



Privat cycle facilities

Charging e-bike
and eating an ice cream



Cycle facilities



Bicycle parking



Cycling is trendy



Cycling is trendy



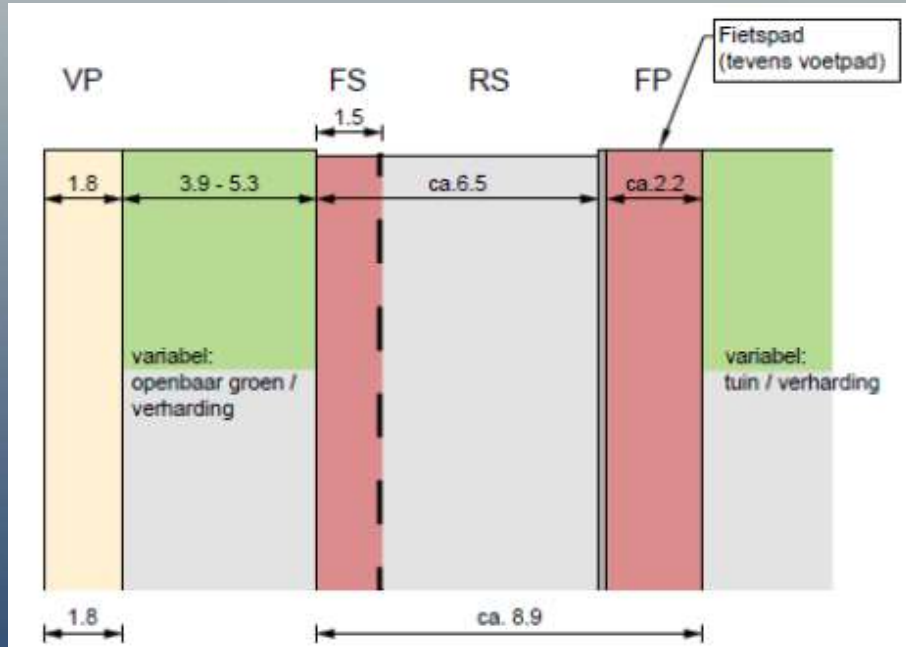


tough choice



road safety

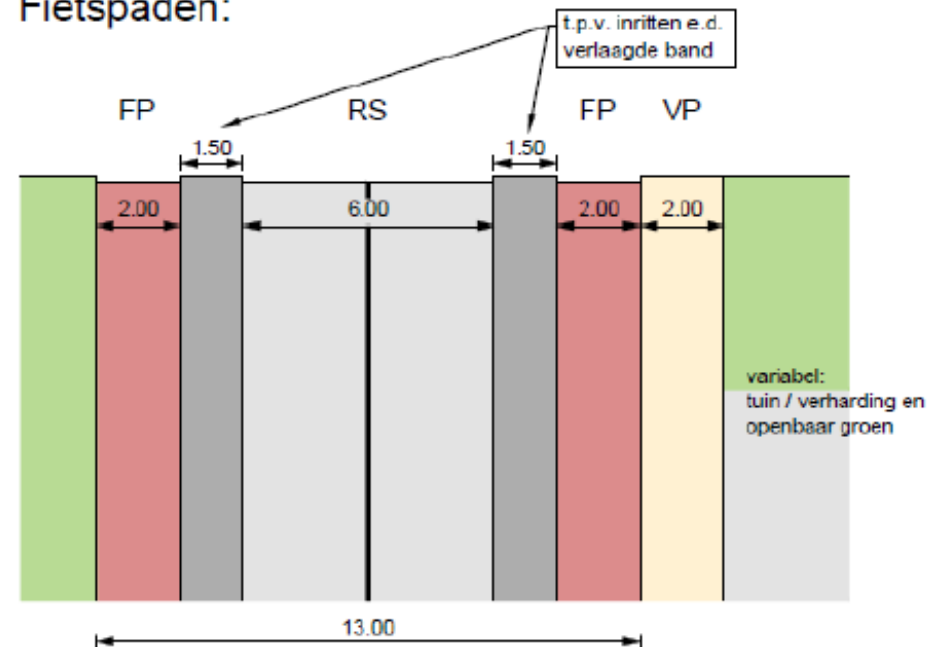
2012



from bicycle lanes to

2014

Fietspaden:



....separate bicycle paths

From parking street to people street



current situation



less parking more spatial quality



more space for green in the streets or perhaps gardens

Bycycle tracks en hiking trails for recreation / leisure



tourist transfer point



Bycicle tracs en hiking trails for recreation / Leisure



24



aansluiting knooppunt

Oude Esch

Vanaf dit TOP kunt u aansluiten op Fietsnetwerk Twente bij knooppunt 24 'Oude Esch'. Volg de Parallelweg het station voorbij en ga rechtsaf de Arelosestraat in. Vanaf het knooppunt volgt u de vertrouwde fietsbewegwijzering.

WAT (Bezinnings-)route
 Ten oosten van dit TOP vindt u de WAT (Bezinnings-) fietsroute, genoemd naar de oude landgoederen Welteveld 1, Almelo 2 en Twickel 3. De fietsroute verbindt de drie landgoederen met elkaar en...



Fietsnetwerk in Nederland
 Met het fietsnetwerk bepaalt u eenvoudig zelf uw route. Noteer de nummers van de knooppunten waar u langs wilt fietsen en volg de wit-groene bewegwijzering van knooppunt naar knooppunt. Het fietsnetwerk is in beide richtingen bewegwijzerd. Veel fietsplezier!

Das Fahrrad-Routennetz in die Niederlande

- Sie bestimmen selbst ihre Fahrradrouten und die gewünschte Kilometerzahl.
- Sie können in zwei Richtungen fahren, von Knotenpunkt zu Knotenpunkt mittels (weiß-grüner) Nummernschilder.
- Freiheit und Flexibilität an erster Stelle!

Cycle Route Network in the Netherlands

- You determine your route and the number of kilometers you wish to cycle.
- You can cycle in two directions, from reference point to reference point using the numbered (white-green) signposts.
- Freedom and flexibility are the order of the day!



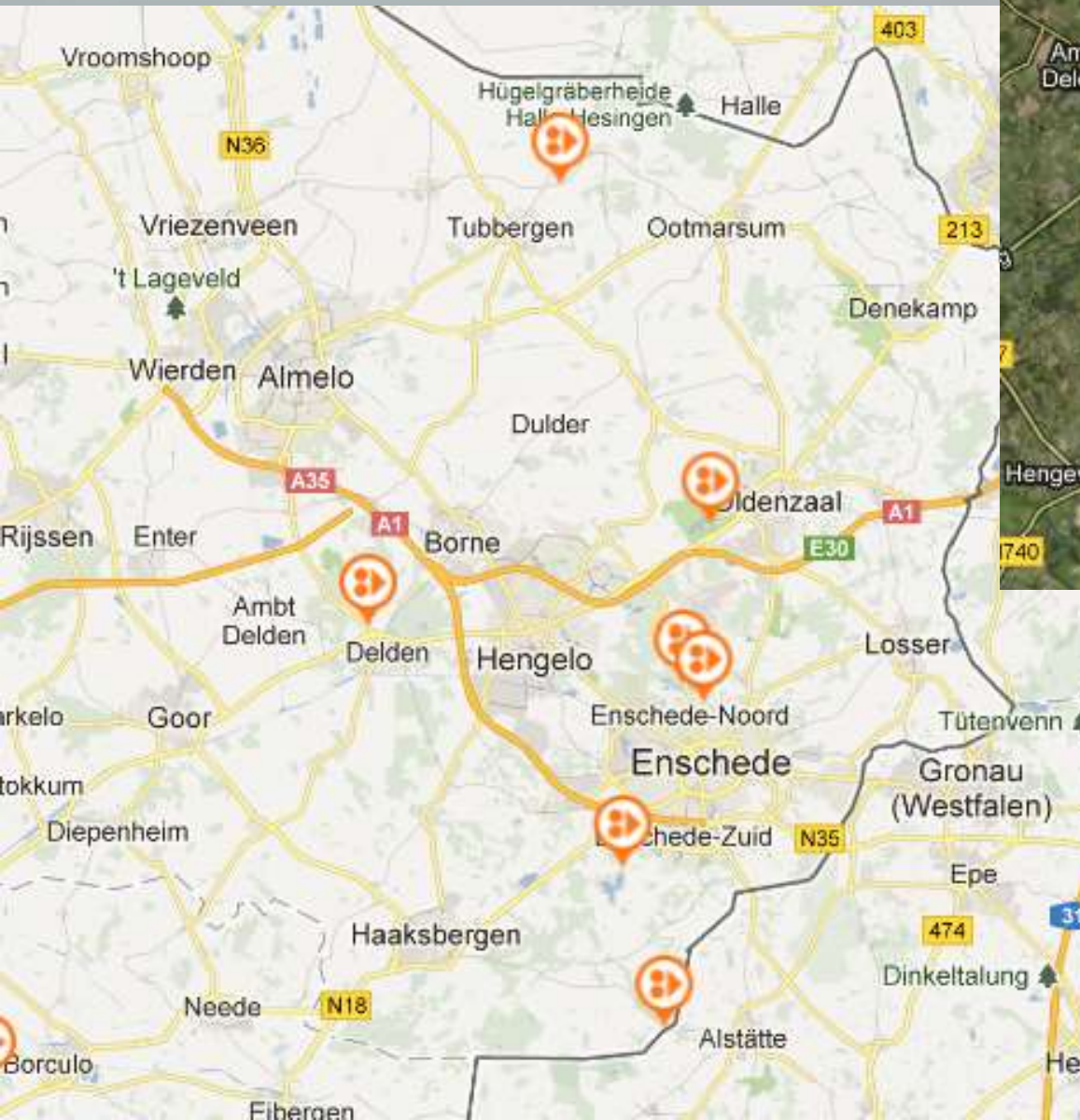
Cycling from node to node



Enjoy cycling



mountain bike trails



Hiking trails / Wanderwegenetze



short tours



hiking trails / Wanderwegenetze



short tours

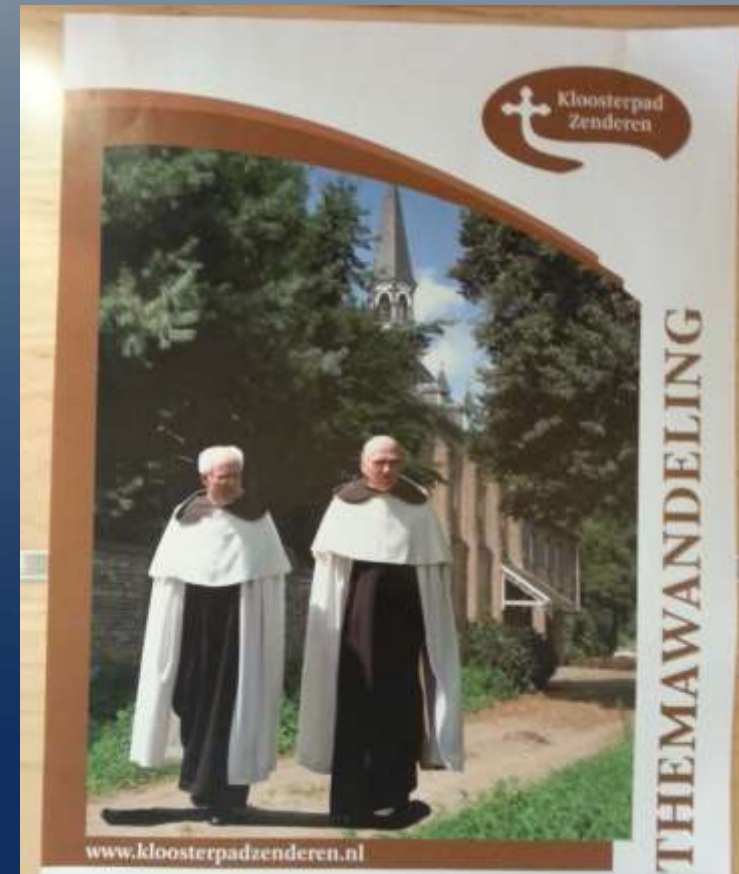


GEEMEENTE BORNE

Hiking trails / Wanderwegenetze

themed walks

the monasteries, the retreat house and the churches, in combination with the culture-historical opportunities



Running trails



‘Lantern route’,
Running in the light is safer



GENEENTE BORNÉ

Finally the future



- More flexible mobility choices
- The search for alternative fuels intensifies
- Scarcity forces to innovation
- Seniors stay longer mobile
- Mobility is getting smarter
- Politics remains unpredictable
- The new work affects urbanization and mobility behaviour
- Yield pressure forces branches to other business models
- Pay as you go is standard



GreenWheels, MyWheels, Connectcar of Studentcar

- E-bike will be trendy and faster.....

- tourism in Lithuania



Go-Cycle elektrische fiets & Amerikaanse Specialized Turbo S Speed Pedelec

Baltische Staten Estland, Letland, Litouwen, fietsen

- » Het gebied
- » De tocht
- » Zwaarte en moeilijkheidsgraad
- » Navigatie en bewegwijzering
- » Beste tijd
- » Er naar toe
- » Overnachten
- » Onze overnachtingen
- » Eten, drinken & inkopen
- » Kaarten & gidsen
- » Handige adressen & sites
- » De tochten van dag tot dag



*Dutch traffic
and transport
organisation*



The sustainable highway

*Is the one that
slowly changes
into a nature area
where we go on a
bike or take a walk*



Questions?

