



- Electric Mobility vs Sustainable Mobility:
incentives for users

March 8 3 rd CISMOB Building Capacity Workshop
(Águeda)



1. Transports
2. Planning
3. ITC
4. Energy
5. Car industry
6. Environment
7. Sustainability



1-Transports

- Holistic vision
- Fight for space
- Fight for speed
- Public vs Private
- Collective vs Individual
- Sharing and focus on service



2-Planning

- City for traffic vs city for people
- Land value capture
- Price signals
- Livability
- Accessibility
- Inclusion



3-ITC

- Smart cities
- Urban analytics
- Big data (big brother)
- Trackability (desire routes)
- Systems integration
- Machine to machine



4-Energy

- Electric
- Renewable
- Security vs independence
- Circular economy
- Emissions
- Decarbonization



5-Car industry

- Future is electric
- Future is autonomous
- Future is Less cars , more public , more share,
- To big to fall (51 Bi /year tax subsidies , 1,6 M by car)
- Other incumbents support (6 M daily import= taxes – Finance Budget



6-Environment

- Emissions
- Products life cycle
- Congestions
- Territory use
- Health



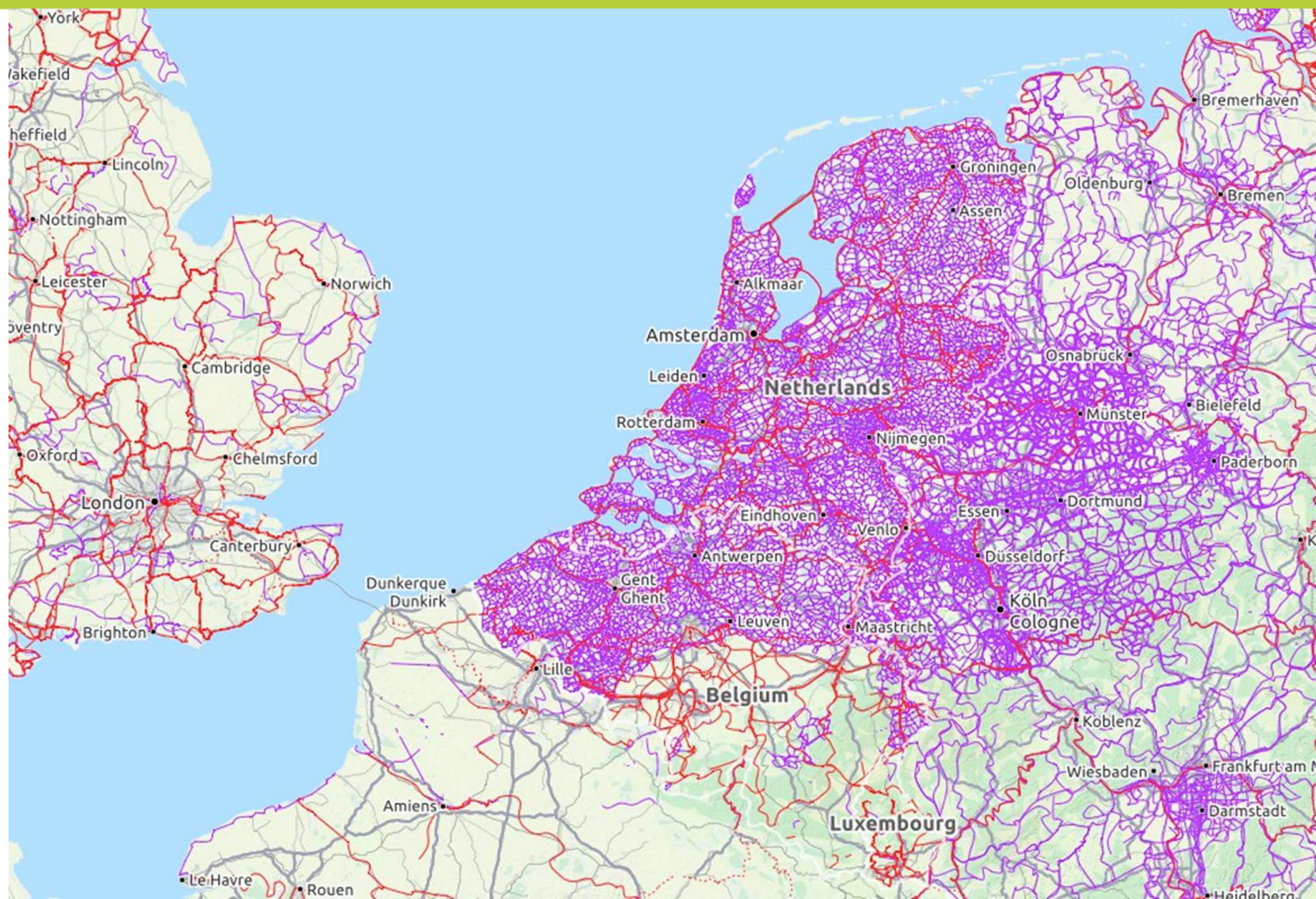
7-Sustainability

- Corridor capacity
- Effective speed or social speed
- Ex ante project evaluation methods
- Ex post project evaluations
- New evaluations tools
- Heat, TEP, social speed



1. Public Transport -better use of space
2. Local provision of goods and services –local access
3. On line services –digital access 24/7
4. Efficient supply chains – lower costs
5. E-mobility -clean access
6. Good urban design – clean access
7. Walking and cycling – healthier access

1. Mark Major , in Descarbonizar a mobilidade,
Matosinhos, 2018





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Portuguese Electric Vehicle Association

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