



CiViTAS
Cleaner and better transport in cities



CIVITAS FORUM CONFERENCE 2013

October 1st, 2013

Brest, France

Fabian Kuester, European Cyclists' Federation

The next driver in cycle mobility: cycle highways

- What?
- Where?
- Why?
- Funding



European Cyclists' Federation

- World's largest international cyclists' advocacy and umbrella organisation
 - Founded in 1983
 - 80 Member organizations in over 40 countries
 - EuroVelo cycle route network
 - Annual Velo-city conference
 - Cities for Cyclists network
 - Based in Brussels.
- Our objective: doubling cycling by 2020 to 15% of modal split (2010: 7,4%)



Drivers of cycle mobility

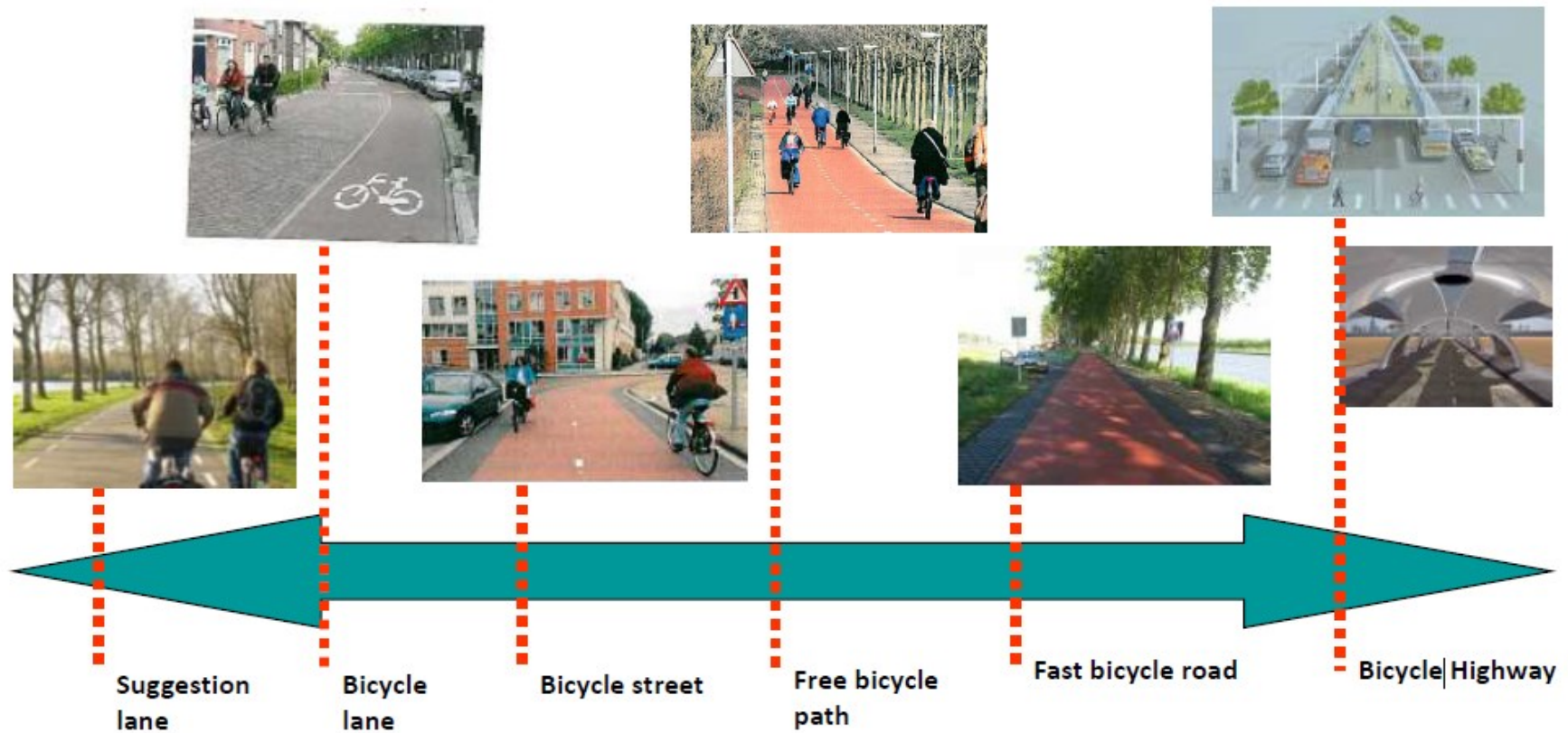


What is a cycle highway?



What is a cycle highway?

Range of bicycle infrastructure in the Netherlands



What is a bicycle highway?

Common key features and criteria



Common features

- High-quality cycle routes
- Focus on travel speed and convenience
- Target: Commuters, transport cycling
- Mostly 5-20 km
- No fine distribution – trunk routes

Criteria

- To achieve high average speed and convenience...
- Direct connection between target areas
 - High quality surface
 - Minimum stops! > 1/km, short stopping time
 - Priority in crossings, short stop times
 - Mild gradients
 - Safe overtaking possible at all time – width!

Where? Copenhagen and Nord-Rhine Westphalia

**CPH: 26 cycle highways planned
(Cykelsuperstier)**



**NRW: 80 km cycle highway
parallel to motorway**



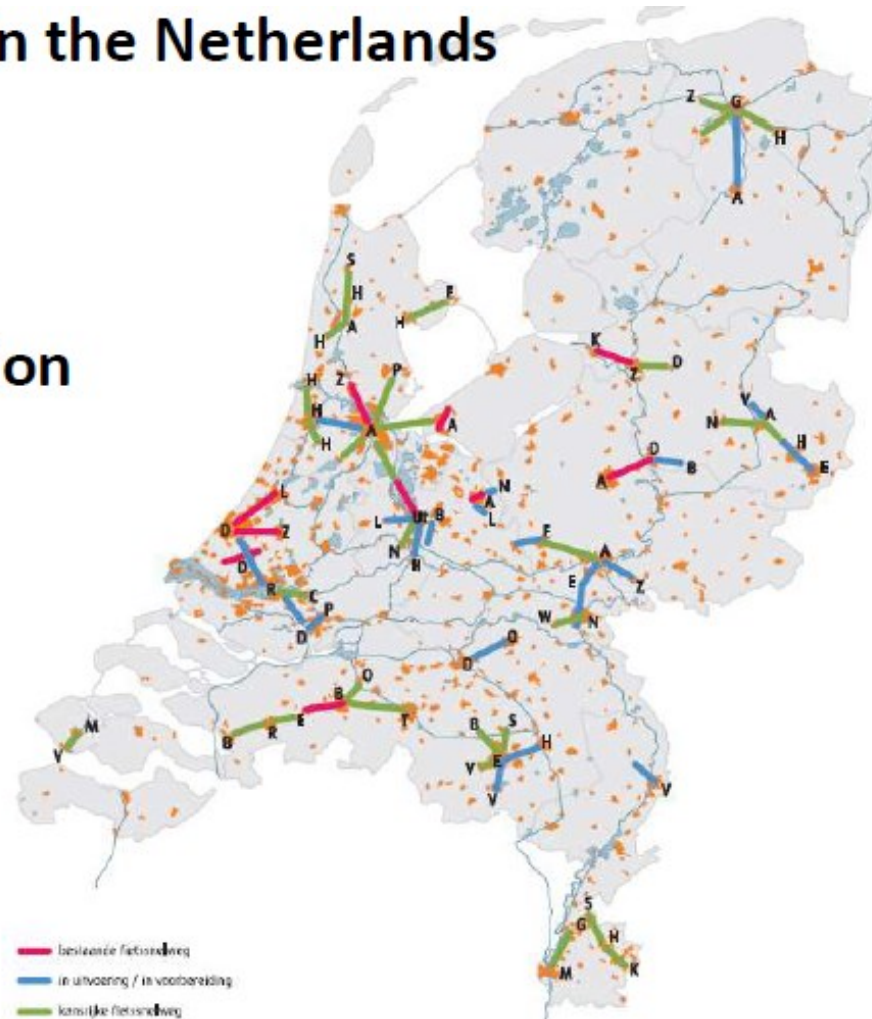
Where? Netherlands: 675 km by 2025

Cycle Highways in the Netherlands

 Realized

 Under construction

 Possibility



Why? Congestion-easing



City of Copenhagen: Economic evaluation of cycle projects (prices in DKK); Use WHO HEAT for cycling to calculate health benefits of cycling



	Cycling (16 km/h)			For reference: Car (50 km/h) in city			
	Internalized	External	Total	Internalized	External	Duties	Total
Time costs (travel time, non-work)	5.00	0	5.00	1.60	0	0	1.60
Vehicle operating costs	0.33	0	0.33	2.20	0	-1.18	1.02
Prolonged life	-2.66	0.06	-2.59	0	0	0	0
Health	-1.11	-1.80	-2.91	0	0	0	0
Accidents	0.25	0.54	0.78	0	0.22	0	0.22
Perceived safety	+ (?)	0	+ (?)	?	?	0	?
Discomfort	?	0	?	?	?	0	?
Branding/tourism	0	-0.02	-0.02	?	?	0	?
Air pollution	0	0	0	0	0.03	0	0.03
Climate changes	0	0	0	0	0.04	0	0.04
Noise	0	0	0	0	0.36	0	0.36
Road deterioration	0	0	0	0	0.01	0	0.01
Congestion	0	0	0	0	0.46	0	0.46
Total	1.81	-1.22	0.60	3.80	1.13	-1.18	3.74



What are the costs per km?

- Copenhagen: € 0.16 m – 0.39 m/ km
- Netherlands: ~ € 1 m/ km
- NRW: € 1 – 2 m/ km
- Typical “normal” cycle track costs about € 0.2 m/ km

National funding possibilities

- DK: Bicycle fund 2009 – 2014 (DKK 1 bn/ € 135m)
- Netherlands: Central government € 21 m/ Local governments € 80 m
- Germany: national co-funding only for pilot projects (e-cycle highway Göttingen)
- Lobby your regional and national gov to co-fund local cycle projects!

The cycle future is bright!



The next driver in cycle mobility: cycle highways

Thank you!

Fabian Kuester

Contact Details

European Cyclists ' Federation

Rue Franklin 28, 1000 Brussels

f.kuester@ecf.com

<http://www.civitas.eu>



THE CIVITAS INITIATIVE
IS CO-FINANCED BY THE
EUROPEAN UNION