THE PEP European Cycling Master Plan – Infrastructure Module
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Mandate and process

Content
Chapter 1
Types of cycling infrastructure

- Cycle track
- Cycle lane
- Cycle street
- Street with contraflow cycling
- Bus-and-cycle lane
- Sidewalk with cycling allowed
- Agricultural / forestry / industry / water management road
- Cycle crossing
- Grade-separated cycle crossing
- Advanced stop line / bike box / bike lock
- Indirect / hook / two-stage turn provision
- Traffic-light exemption for cyclists
- Wayfinding
- Cycle highway
Benefits of 1€ invested in...

UK local roads*  4.23 €

+10% infrastructure in...

Barcelona**  35 €

Zürich**  61 €

Rome**  70 €

*The Eddington Transport Study, 2006

**Mueller et. al., Health impact assessment of cycling network expansions in European cities, Preventive Medicine, January 2018
Chapter 2
National Cycling Network Best Practices

- Providing an overview of existing cycling networks around the world

- Focusing on best practices regarding the organization of the network, its signage, its maintenance, its promotion as well as additional services being offered
Belgium – Flanders
Cycle Highways

- The Belgium region of Flanders has an extensive network of cycle highways to connect the major Flemish cities
- To facilitate commuting and leisure cycling
- Located on separated cycle tracks or in low-traffic areas
- Different Flemish provinces also pay attention to maintenance of the routes

Source:
https://nl.wikipedia.org/wiki/Lijst_van_Belgische_fietssnelwegen
https://nl.wikipedia.org/wiki/Lijst_van_Belgische_fietssnelwegen#/media/Bestand:Fietssnelweg_F7__-__Wegwijzer.jpg
France
Coordination through itinerary committees

- French national cycling network is co-developed by Vélo & Territoires
- Aim to have network of national cycle routes amounting to 25,400 km
- Routes are built based on specifications made at the French ministerial level
- French network is built with the help of itinerary committees supporting the development of individual routes
Netherlands
Well connected network of long-distance, regional and local cycling routes

- The Netherlands have a wide network of cycling routes on the national, regional and local level
- All routes are integrated into one common signage system based on nodes
- Travel information on the full network can be found online, e.g. upcoming construction sites
Spain

Repurposing old train tracks for bicycles

- Network of Vias Verdes spanning 2,900 km
- Old train tracks that have been adapted for cycling and walking
- Repurposing old railway stations as hospitality services along the way thereby also supporting the local economy
1. EUROPEAN NETWORK
   EuroVelo routes

2. NATIONAL NETWORK

3. REGIONAL NETWORK

4. LOCAL NETWORK
Chapter 4
National networks towards pan-European infrastructure module for cycling
Chapter 5
Conclusions

- Cycling infrastructure definitions – harmonisation at international level to aid harmonisation
- New road signs (cycle street, non-mandatory cycle track)
- Best practice in organising cycling network is available
- EuroVelo may serve as a backbone for the establishment of the pan-European cycle routes/network
Recommendations

- Start the harmonisation process on definitions and their universal application

- Engage all pan-European countries in developing the pan-European infrastructure module for cycling (data submission in GIS format)

- Request next iteration of the module

- Encourage establishment of a funding project in support of the module development
Thank you for your attention