

# How to improve return on investment in infrastructure projects?

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Brussels, April 2019



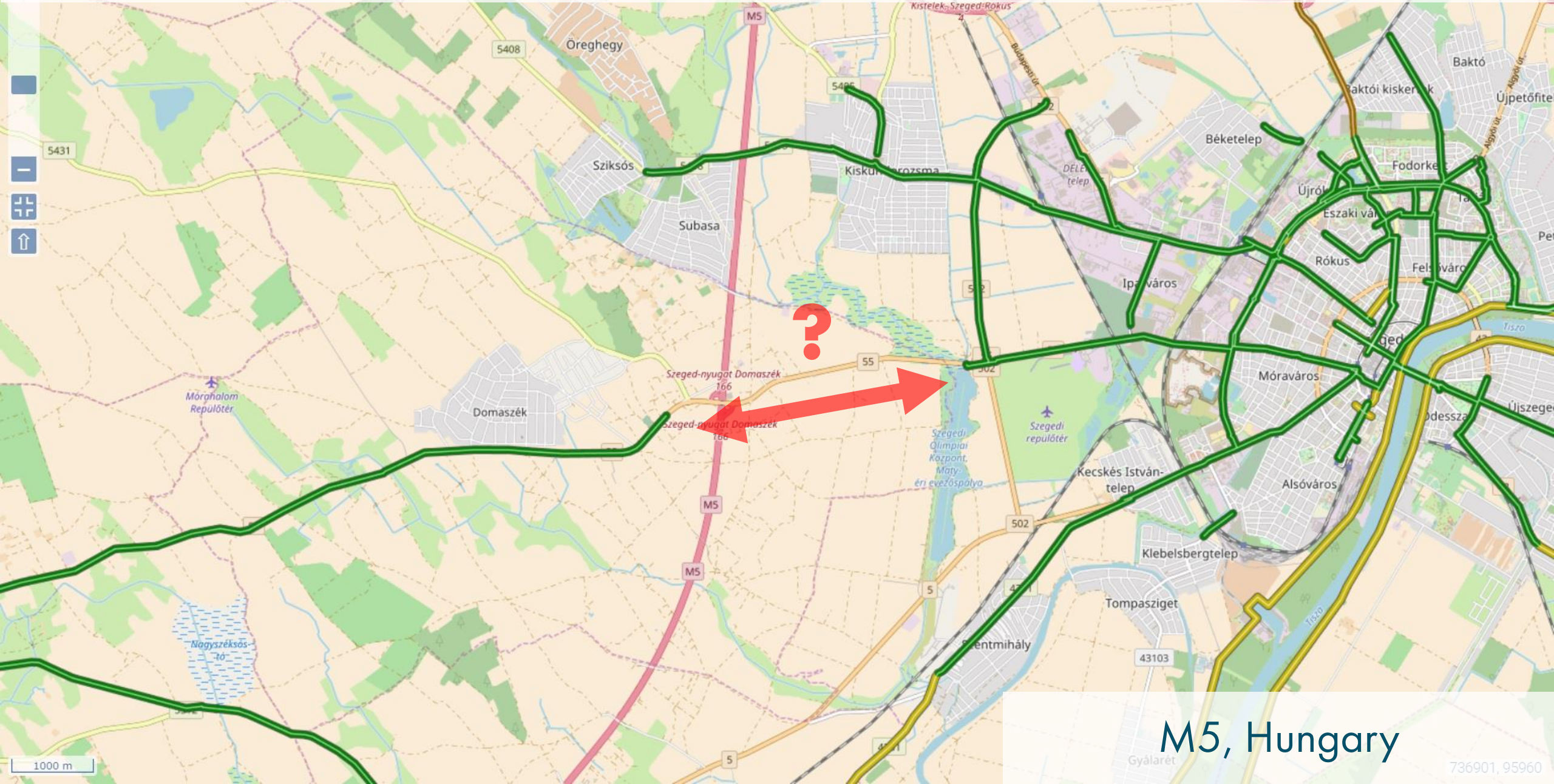
# 1. Integrating cycling in big infrastructure projects

Motorways, railroads etc. – threats and opportunities





# Big infrastructure projects can sabotage cycle routes



M5, Hungary



# Big infrastructure projects can be an opportunity



A1, Netherlands

# Road infrastructure safety management directive

Amendments adopted in 2019:

- *Member States shall ensure that the **needs of cyclists are taken into account** in the implementation of all the procedures defined in the Directive*
- *Indicative elements of road safety impact assessments include **estimated pedestrian and bicycle flows***





# Other infrastructure projects?



F3, Flanders



## Lesson learned:

sections along/across major roads, railroads etc. are often the most expensive part of cycle network





# ECF position

Integrating necessary walking /cycling facilities should be a condition of EU funding for all infrastructure projects:

- primary roads
- railroad lines, waterways
- airports, harbours
- metro, tram lines
- border crossings...





# ECF position

Infrastructure projects need to consider:

- routes along
- crossings across

for walking and cycling



Google



# 2. Quality requirements

Universal principles that can and should be applied everywhere





# Cycle infrastructure that is not safe to use



S8, Poland



# Badly chosen type of cycle infrastructure



S8, Poland



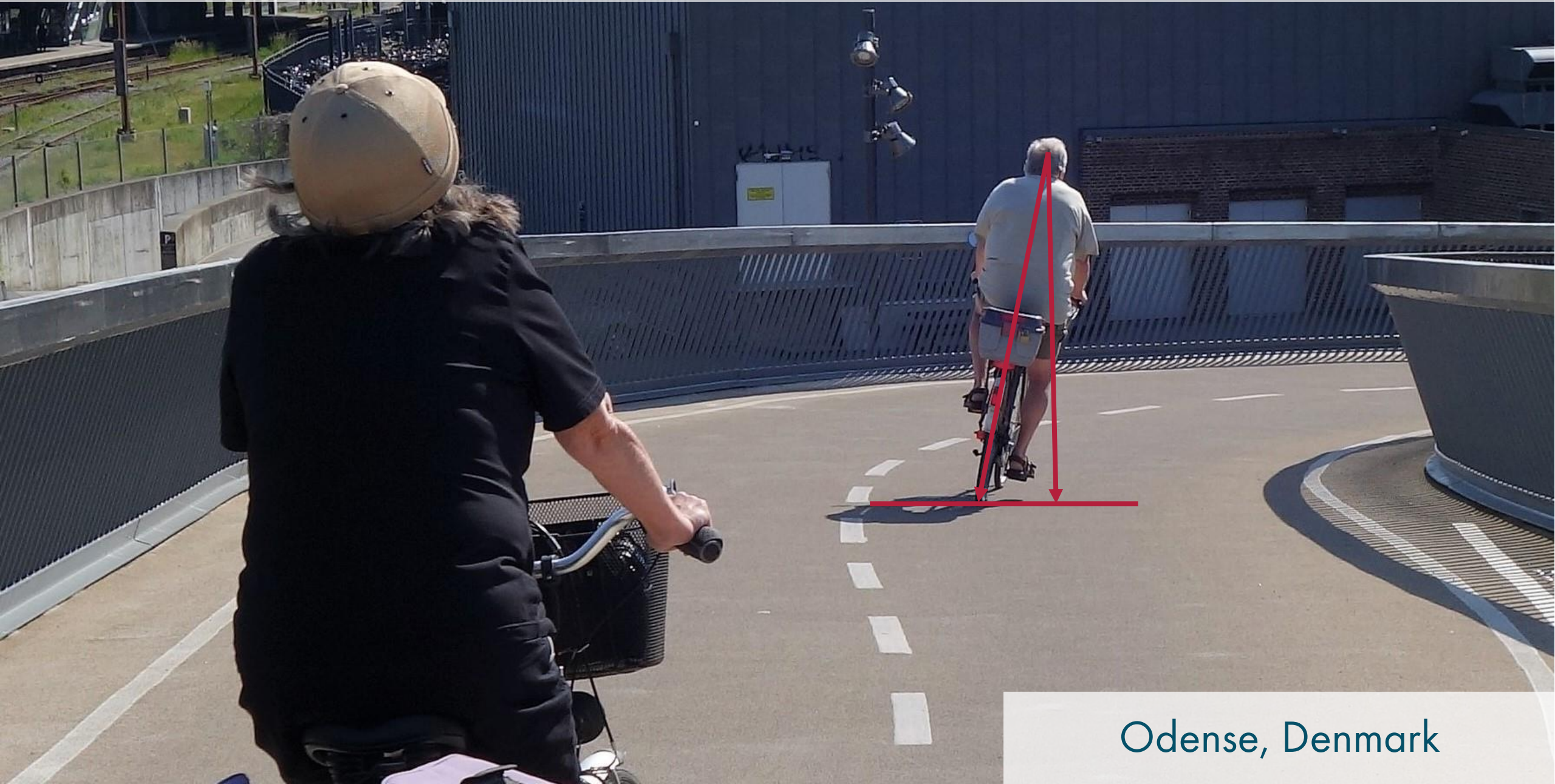
# Universal principle: bicycles do not turn at straight angle



Le Teich, France



# Universal principle: cyclists must lean into curves



Odense, Denmark

# ECF position

There are certain key design principles to cycling infrastructure that can and should be adopted everywhere.

We need EU level **quality requirements for cycling infrastructure** to avoid spending public funding on facilities that are not used or not safe to use.





# Road infrastructure safety management directive

Amendments adopted in 2019:

- *The European Commission shall provide **guidance [...] on quality requirements regarding vulnerable road users. That guidance shall be developed in close cooperation with Member State experts.***
- *Member States shall ensure that the **training curricula for road safety auditors** includes aspects related to vulnerable road users and the infrastructure for such users.*



# Takeaways

What to remember?





# Takeaways

- Integrating cycling in big infrastructure projects
- Quality requirements for cycling infrastructure

