



A guide for safe soft mobility

Aslak Fyhri

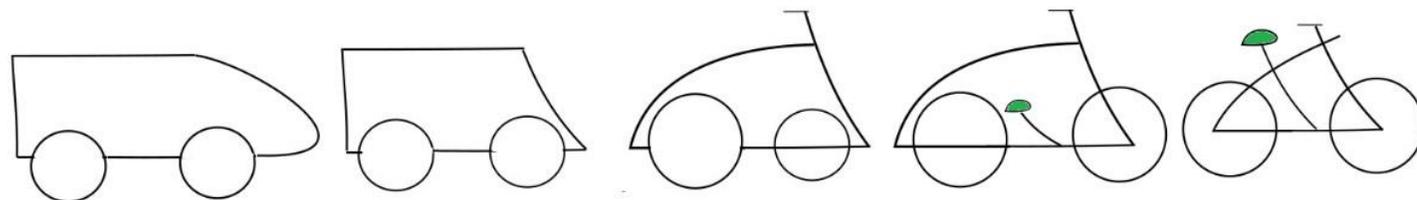
Senior research psychologist, PhD





stimulating SAFE wALKing and Cycling within a multimodal transport environment

- ...in urban and suburban areas
- ...without compromising safety
- ...evidence-based
- Runs from 2016 – 2018

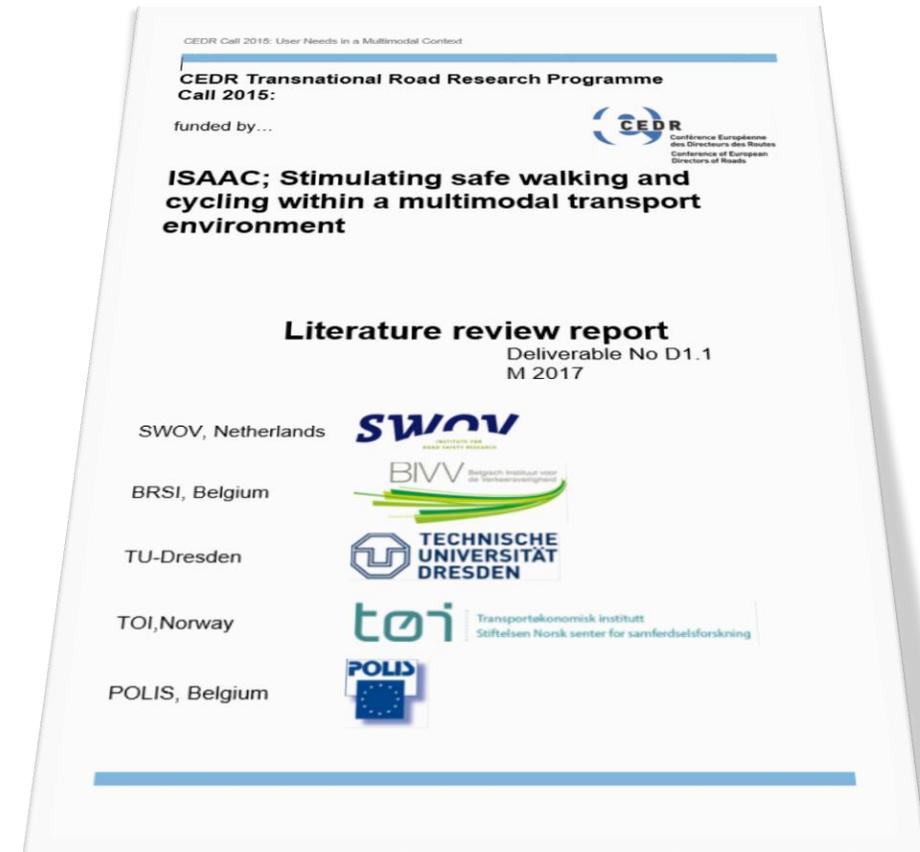


End product

1. Interactive checklist
2. Guideline for urban and regional decision makers and practitioners
 1. to identify most appropriate measures
 2. based on effects as well as costs
 3. implementation steps
 4. Safety AND mobility advice
3. Policy guide

WP1: integrating multidisciplinary knowledge

1. A behavioural model for soft mobility
2. Segmentation factors for cities
3. Safety and security preconditions
4. Scientific evidence about interventions for soft mobility



Draft version of guide

1. Can you provide the requested input?
2. How tailor-made should it be?
3. What kind of output do you need?



Browser

← → ↻



Overview **Input** City profile Technical guide Policy guide

Instructions

When entering the data for the lullaby ladida turalidei Sofokles lorem ispum here we go again and no one should read this text unless they really need to and if you have read it you have not been paying attention to what I am saying.....

Some words about empirical evidence

Verifiable, replicable, peer reviewed data. And some more words: who cares, do you really want this, and is it possible to gather? And some words about Christmas: it is coming, just like winter, and we are looking forward to it but are also a bit stressed....

Recent Activity

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 Facebook social plugin

Browser



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Overview

Input

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Makeupolis

	Segmentation factor	Criterion	Categorisation		
			Low	Normal	High
Inhabitants	Age	% of population < 20 years	< 18	18-25	> 25
	Car availability	Motorisation (cars/1,000 inhabitants)	> 550	420-550	< 420
	Education	% of pop. /qualified at level 5 to 8 ISCED	< 25	25-40	> 40
	Income	% pop./less than 60 % of nat. median income	< 15	15-35	> 35
Weather	Precipitation	Annual rainfall (l/m ²)	> 850	550-850	< 550
		Rainy days	> 180	110-180	< 110
	Temperature	Months/average Temperature between 15-25 °C	< 3	3-5	> 5
Safety	Traffic safety	Fatalities/1,000,000 inhabitants	> 80	35-80	< 35
	Criminality	Murders & violent deaths/1,000,000 inhabitants	> 5	1-5	< 1
Built environment	Building density	% of built-up area	< 25	25-60	> 60
	Network density	% area transport infrastructure	< 5	5-10	> 10

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	Modal split		
	Low	Normal	High
Walking	< 15	15-30	> 30
Cycling	< 2	2-15	> 15



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Makeupolis

	Segmentation factor	Categorisation		
		Low	Normal	High
Inhabitants	Age	Orange		
	Car availability	Orange		
	Education		Orange	
	Income			Orange
Weather	Precipitation	Orange		
	Temperature			Orange
Safety	Traffic safety			Orange
	Criminality			Orange
Built environment	Building density		Orange	
	Network density		Orange	

Makeupolis is ranked among the **top 50 %** in terms of walkability/cyclability

	Modal split		
	Low	Normal	High
Walking	< 15	15-30	> 30
Cycling	< 2	2-15	> 15

Makeupolis is ranked among the **top 40 %** in terms cycling/walking shares



Makeupolis

Cycling measures Walking measures

Category	Measure	Effect	Cost
I	Cycle paths and lanes	○○○○	\$\$
I	Bike parking	○○	\$
I	Sharrows	○○	\$
O/F	Rental bike Arrangements	○○	\$
L	Counterflow cycling	○○○	\$
I	Separate protected bicycle path	○○○○○○	\$\$\$
I	Raised and colored bicycle crossing	○○	\$\$
I	Comprehensive system	○○○○○○	\$\$\$\$
I	Road surface and promoting commuter cycling (near schools)	○○○	\$\$
OM	Winter maintenance	○○○	\$\$
I	Bicycle Street	○○○○○○	\$\$\$
I	Solutions for intersections	○○○	\$\$
I	Bike parking (indoor/outdoor and shower)	○○○	\$
I	Expressway for bicycle	○○○○	\$\$\$\$
I	ITS solutions for bicycles	○○	\$\$\$

From list of approximately 30-50 measures

I=Infrastructure; O/F=Organization/Fiscal; OM= Operational Management



Makeupolis

Category Measure	Effect	Cost
I Cycle paths and lanes	○○○○	\$\$
I Bike parking	○○	\$
I Sharrows	○○	\$
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L Counterflow cycling	○○○	\$
I Separate protected bicycle path	○○○○○○	\$\$\$
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I ITS solutions for bicycles	○○	\$\$\$

Bike parking

Author 2011: Marit Espeland, SVV

Together with a well-developed walking and cycling road network, bicycle parking will help more bicycles to and from daily tasks. By getting more to choose a bike rather than driving a car on short trips, it will contribute to better environment locally, less CO₂ emissions and reduced noise.



To prevent bicycles from being parked hollows to bumps, while preventing accessibility and visibility of other road users, bicycle parking should be organized in such a way that it is for use.

1. Problem and purpose

Cyclists need to park the bike before and after a bike ride. The need to set aside the bike may vary between a few minutes, a few hours, a day, overnight or more days. The bike can be set aside into a house wall, a lamp post, a fence or a flat surface using support. Bicycles should be protected from rain and theft so that the best option will be looked to a tried frame

CHAPTER CONTENTS

1. Problem and purpose
2. Description of the measure
3. Additional measures
4. Where is the measure suitable
5. Actual use of the measure - examples
6. Environmental and climate impacts
7. Other effects
8. Costs
9. Formal responsibility
10. Challenges and Opportunities
11. References

So, what do you think?

Solid evidence ↔ many fact sheets?

Updated links ↔ longer texts?

Tailored ↔ extensive table

