





Complementarity of ride sharing benches in Ostbelgien & Public transport

Euregio Mobility Workshop #4 on public transport, 14 June 2023

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Digital divide (1/2)



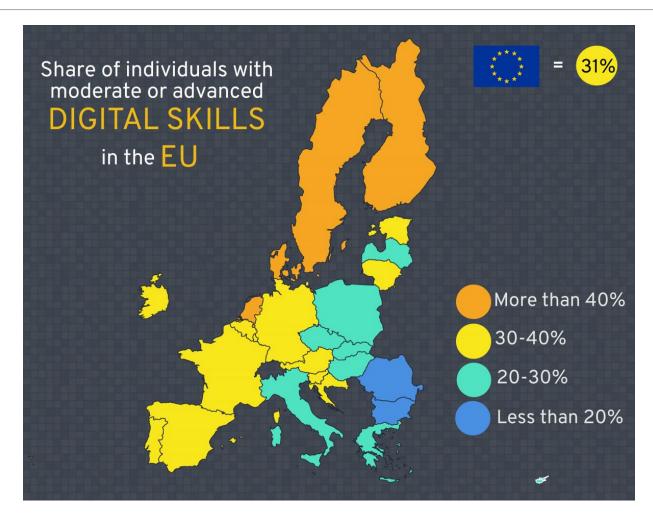
What % of the population (16-74) has above basic digital skills?



Digital divide (2/2)



2019



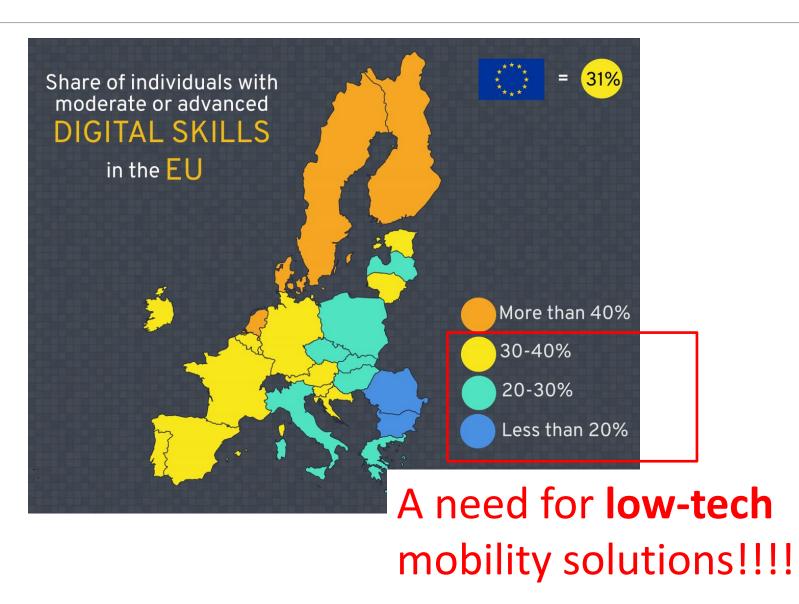
https://www.cedefop.europa.eu/en/data-insights/digital-skills-challenges-and-opportunities#_digital_divide_in_the_eu



Digital divide (2/2)









Mitfarhbank (carpooling bench) (1/7)





https://fahrmit.be/mobilitaetsloesungen/auto/mitfahrbank-ostbelgien/



Mitfarhbank (carpooling bench) (2/7)



- Data collection
 - Online survey
 - April-May 2021
 - 360 respondents



Mitfarhbank (carpooling bench) (3/7)

Label	Description	Descriptive statistics		
Dependent varia <u>bles</u>				
Knowledge	Respondent is familiar with the	Knowledge (76.4%) No Knowledge		
	concept of ride-sharing benches	(23.6%)		
User Type	Potential users	40.4%		
	Socio-economic char	acteristics		
Age	Years past since birth	17-34 years (25.2%) 35-64 years (66.2%)		
		+65 years (8.6%)		
Sex	Gender	Female (50.8%) Male (49.2%)		
Car_av	Car availability	Yes, most of the time (87.6%) Yes,		
		sporadically (6.6%), No (5.8%)		
	Socio-cognitive char	acteristics		
Imp_fast	How important is a fast trip?	p? Not important (13.0%) Neutral (16.8%)		
		Important (70.2%)		
Imp_comfort	How important is a comfortable trip?	Not important (11.4%) Neutral (24.7%)		
		Important (63.9%)		
Imp_inexp	How important is an inexpensive trip?	p? Not important (27.5%) Neutral (35.9%)		
		Important (36.6%)		
Imp_eco	How important is an ecologically	Not important (28.3%) Neutral (41.7%)		
	sound trip?	Important (30.0%)		



Mitfarhbank (carpooling bench) (4/7)

Control for "geographical" indicators

Label	Description	Descriptive statistics		
Geographical characteristics				
Surf_res	Residential area (in km2) of	Mean: 3.8 Standard Deviation: 2.3		
	municipality where respondent lives	< 2.5 km ² (33.9%)		
		> 2.5 km ² (66.1%)		
Inc	Average income (€ / inhabitant) of Mean: 18243.1 Standard Dev			
	municipality where respondent lives 1052.3			
		<18 000 €/inh. (35.3%)		
		> 18 000 €/inh. (64.7%)		
Pop_dens	Population density (inhabitants/km²) of	Mean: 173.9 Standard Deviation: 156.1		
	municipality where respondent lives	< 100 inh/km² (36.9%)		
		> 100 inh/km² (63.1%)		
Region	The region within the German-	Land of Eupen (63.1%)		
	speaking community where the	Belgian Eifel (36.9%)		
	respondent lives			



Mitfarhbank (carpooling bench) (5/7)

	(Potential) us	e of the ride	sharing benc	hes	
	Socio-e	conomic cha	racteristics		
		Yes	No	χ² Signif.	Cramer's V
	Yes, most of the times	46.3%	53.7%		
Car_av	Yes, sporadically	72.1%	27.9%	**	0.1760
	No	37.7%	62.3%]	
Sex	Female	45.6%	54.4%	*	0.1070
	Male	35.1%	64.9%		
	Socio-c	ognitive char	racteristics		•
		Yes	No	χ² Signif.	Cramer's V
	Not important	38.3%	61.2%		
Imp_inexp	Neutral	32.8%	67.3%	*	0.1494
	Important	49.7%	50.3%		
	Not important	34.5%	65.5%		
Imp_eco	Neutral	34.1%	65.9%	**	0.1936
	Important	55.0%	45%		



Mitfarhbank (carpooling bench) (6/7)

	Knowledge of th	e concept of	ride-sharing	bench	•
	Socio-e	conomic chai	racteristics		
		Yes	No	χ² Signif.	Cramer's V
	Yes, most of the times	77.7%	22.3%		
Car_av	Yes, sporadically	81.9%	18.1%	*	0.1595
	No_	49.4%	50.6%		
	Geogra	aphical chare	acteristics		
		Yes	No	χ² Signif.	Cramer's
					\mathbf{V}
Inc	< 18000 €/inh	67.0%	33.0%	**	0.1624
	> 18000 €/inh	81.5%	18.5%]	0.1624
Region	Land of Eupen	90.1%	9.9%	***	0.4222
	Belgian Eifel	52.9%	47.2%		0.4233
Pop_dens	< 100 inh/km ²	52.9%	47.1%	***	0.4222
	> 100 inh/km ²	90.1%	9.9%	4.4.4.	0.4233

^{*}p-value < .05, **p-value < .01, ***p-value < .001, NS = not significant.



Mitfarhbank (carpooling bench) (7/7)



- Takeaway
 - (Potential) use:
 - Still limited
 - Mainly inspired by environmental motivations
 - Knowledge:
 - Widespread in Land of Eupen
 - Information campaigns needed in Belgian Eiffel



Customer satisfaction with PT



• 5 most important self-declared attributes

Rank	NMBS (Train) Attribute	Mean
1	Importance of reliability	4.72
2	Importance of punctuality	4.63
3	Importance of information in the station	4.61
4	Importance of sufficient seating on board	4.52
5	Importance of information on board	4.52

Rank	De Lijn (Bus) Attribute	Mean
11	Importance of reliability	4.69
21	Importance of punctuality	4.66
31	Importance of frequency	4.51
41	Importance of information at the stop	4.46
51	Importance of easy access to the stop	4.43



Customer satisfaction with PT



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A need for **low-tech** mobility solutions!!!!



Acknowledgements







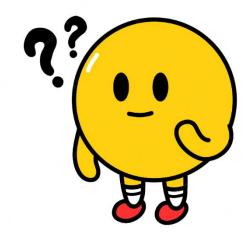




Questions and answers?



• Thank you for your attention!



• Questions?



