

HUPMOBILE

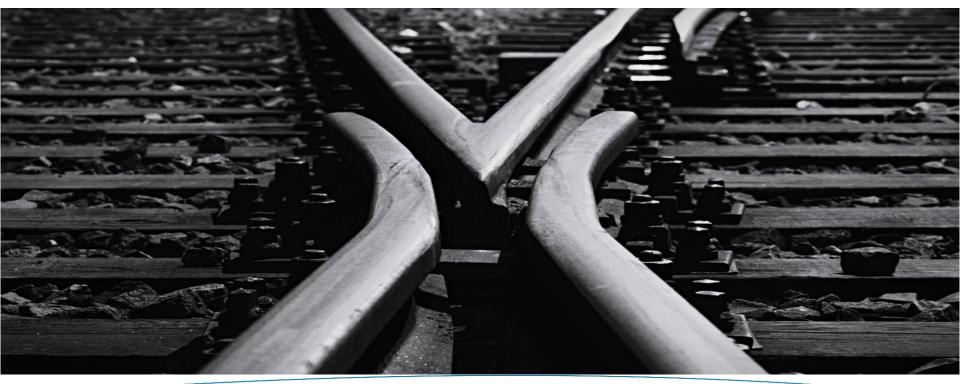


Online tools supporting decisionmaking on holistic smart mobility

HUPMOBILE Final Seminar

1.12.2021 Teemu Surakka

ASSESSING THE POTENTIAL IMPACT







HUPMOBILE Self-Assessment tool









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SUSTAINABILITY OF TRANSPORT SYSTEM SELF-ASSESSMENT

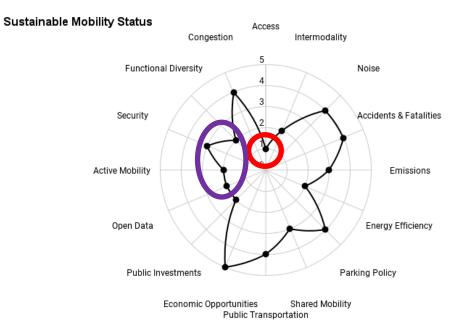
The HUPMOBILE toolbox is intended to give a rough estimate of the potential impact of selected mobility solutions compared to the current situation in your city. This self-assessment part of the toolbox is built to help you pinpoint possible areas of improvement in your region or the possibilities to have the best impact in selected sustainability aspects.

The statements in this self-assessment tool have been developed with the help of city and traffic planners of the participating cities of our project. However, the data needed to complete the assessment is kept at a manageable level. This way, the different stakeholders in implementing sustainable mobility solutions can also use their educated estimations in this assessment for shortlisting sustainable mobility solutions for the discussion. We are not collecting any personal information, and the results are only temporarily stored for visualization and sharing (printing or mailing) purposes. For this reason, you need to complete the self-assessment every time you visit our site if you want to use this functionality. You can also use this introductory video (TBA) for guidance in the self-assessment process and connecting the results with other HUPMOBILE tools.



Available at: https://www.hupmobile-project.eu/tool/sustainability-transport-system-self-assessment

HUPMOBILE Self-Assessment tool



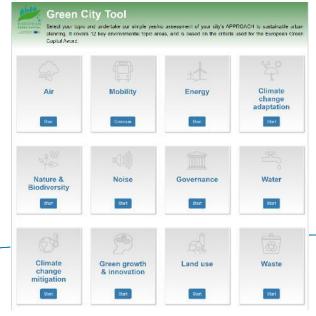
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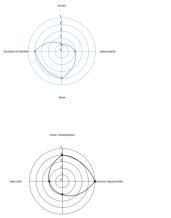
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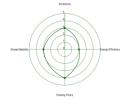
ASSESSING THE POTENTIAL IMPACT

Existing tools (example)	HUPMOBILE Self-Assessment tool
Target group(s): city planners	Target group(s): stakeholders
Simple yes/no questions (for planners)	Easy to answer statements
Sustainable urban planning	Sustainable mobility





Public Investments









ASSESSING THE REALIZED IMPACT





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HUPMOBILE Impact Assessment tool

Impact Assessment Tool V Accessibility statement Privacy Policy HUPMOBILE Database of successful mobility solutions V

Building blocks of the assessment



Assessment process

To set up an assessment process, you can use the building blocks on the (maat Assessment <u>Process page</u> and localize the process for your needs. You can also contact us (information below) for assistance in any part of the process or if you want to include the resulting assessment in our database. We have also made you <u>example pages of a possible assessment</u> process.



Assessment template

Each of the different fields of the <u>HUPMOBILE Assessment Template</u> has its purpose and should be completed according to the instructions found on the <u>Information Fields in the</u> <u>HUPMOBILE Assessment Document</u> page.



Supporting documents

Our repository of supporting documents – including information about the indicators and statements used in the assessment – can be found on the <u>Supporting Documents page</u>.

Available at: https://sites2.org.aalto.fi/smartcommuting/





HUPMOBILE Impact Assessment tool



Details

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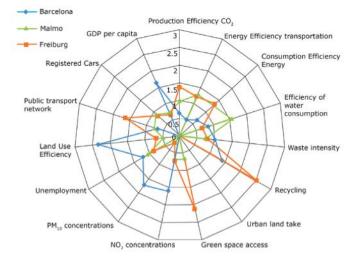
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ASSESSING THE REALIZED IMPACT

Existing tools (example)	HUPMOBILE Impact Assessment
Target group(s): policymakers	Target group(s): stakeholders
Quantitative assessment	Easy to answer statements
Benchmarking the development status	Sharing best practices

EEA Urban Metabolism Framework





Unique aspects

Despite the severe water conditions in Finland, the solution is a year-around and 24/7. For the winter, the block are maintained and fitted with winter trices Max, 1 sets rout are was attabilished to discover the best ways to fact out the sown - however, the average use of the system in the winter was modest 300 trips per day. The winter increases the need to maintain block, and the users reported that sometimes the batteries, fidality, and grave frace up in the block. Another unique aspect is that the system was tendered with a requirement of open interfaces, enable gravements interface and the block-sharing system to the res of the public transport differing, data ouvership for the city, and create stations only visible for the city employees in applications.

According to a recent survey, the residents of Turku overwhelmingly back the city's strong support for cycling -96% of respondents are in favour of improvements to cycling infrastructure. 25% of the respondent seponted that they have reduced the use of private car due to new system. This is the first shared economy system in the city that has traditionally relied on efficient and affordable public transport and supporting active mobility.

Individual	Customer organization	Transport authority	O	w /	Society		Legend
termodal triagration	Departmentional changes	Support from the transport authority	Access to mobility services		Congestion and delays		Positive impact
se of preste cars	Affordation	Enabling platform	Internedal Integration		Energy officiency		Sightly positive impact
NORTH .	Use of traveling time	Economic viability	Harnen-powered transport		Parking policy		Signey passive in pas
week mebility sphore	Health and well-being	Data sharing among partners	Ar pollating enviroiens		Shared acareery		Nextral impact
case to reddity services	Air patholog are indexe	Nood for its address the	Naise Mindrance		Rate of public transport		Sightly segative impac
ubley	Number of parking spaces	Sweet met#ty aption	Accelents & fetalloles		Economic appartunity		agent repairs into
gital accessibility	Security	Cumpner segments	LecarRy	Г	Public Investments		Negative impos
Residency	Access to mobility services	Departmentional changes	Urban functional alwendty		Open Data		Net possible to ease
organizion and delays	Congretion and delays	Rate of public transport					Net pourse to pase
ut tang	Data sharing among partners	Congestion and delays					
or of travelag time			Disclaim	her	: Assessment mad	e by I	the research gro

SEARCHING FOR OPPORTUNITIES







SEARCHING FOR OPPORTUNITIES

Existing tools (example)Target group(s): stakeholdersActive promotionInclusion of solution providers				HUPMOBILE Impact Assessment									
				Target group(s): stakeholders Interactive filtering of results									
				BABLE HOME - EXPLORE - SPOT -	CONNECT V		Smart Con	nmuting			Impact Assessment Tool v Accessibility statement Privacy Policy HUPHOBILE Database of successful		
solution	Solution	Solution	Lond Area • Al • Under Starf • Starf - 25kmf • 25kmf - 400kmf • 050kmf - 400kmf • 400kmf and over	Users • All · Under 26k · 20k to 300k · 300k to 300k · 300k to 31M · Over 1M	Access # A1 Gillsstaving system C ac Justic Javing system C ac Justic Javing system C ac OFF coverage C Docelleret PT coverage	operating The database is filtered in	BILE Database filtered by account of the set						
INTELLIGENT AND CONNECTED PUBLIC SPACE Collects data in public argos and displays or reacts on the data. The data can be securely transformed vile Wi-F or other similar technologies to be Le combined with a central Ob to Solution	WASTE SEPARATION AT SOURCE In 2017, 70 percent of the global waste has been generated in cities - and a rising trend is expected in the next years. One step to efficiently and economically process this waste is the waste separation at source. It is fundamental for reusing and tecycling the characteristic sector of the source of the characteristic sector of the source of the fundamental for reusing and tecycling the characteristic sector of the source of the source of the source of the source of the fundamental for reusing and tecycling the source of the source of the source of the fundamental for reusing and tecycling the source of the source of the source of the source of the source of the source of the source of the fundamental for reusing and tecycling the source of the source of the source of the fundamental for the source of the source of the source of the source of the source of the fundamental for the source of the source of the source of the fundamental for the source of the source of the source of the fundamental for the source of the fundamental for the source of the source o	VIRTUAL POWER PLANT The concept of Virtual Power Plants (VPPe) overturns the more traditional ideo of relying on centralised (often CO2-emitting) power plants for predictable and reliable power output. As more and more small and large independent power producers enter the centre, stater, what the state of the state											

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