

Monitoring and evaluation Short summary of EUCS chapter 11

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- 1. Policy and project evaluation
- 2. KPI
- 3. Common definitions and harmonisation to improve synergy among different cycling statistics
- 4. Use crowdsourcing and big data collection for monitoring





Podipy særddæhænigætion

EU LEVEL

• Improve communication: best practices such as the cycling barometer

how far policy measures and projects contribute to targets?

• Encourage and extend joined initiatives

Monitoring (over time)

reflect the current situation and progress towards achieving objectives from local to global level
• Stimulate comparisons among cities at the national level

National cycling strategies incl. policy and project evaluation

REGIONAL AND LOCAL LEVEL

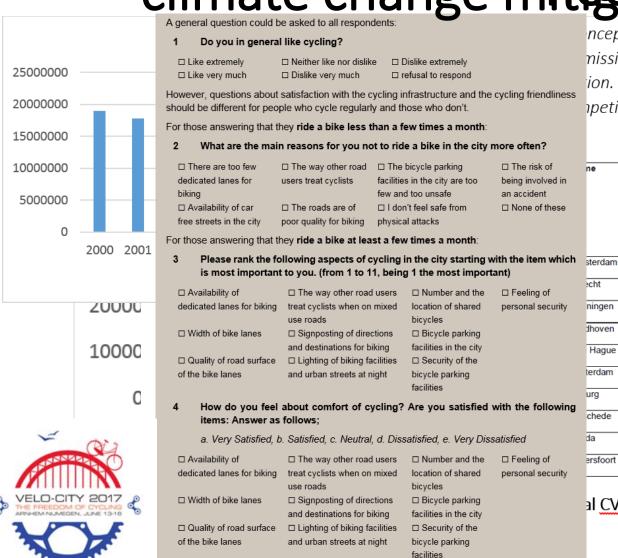
- Evaluate policies and projects (using standards)
- Participate in joint initiatives and fora and share best practices

KPI





Bd Sizates Canada Carata Carat climate change mitteentson and SD



Source: Own elaboration based on WBCSD, 2016

ncept allows the calculation of the opportunity benefits **I cycling**) nissions. The methodology shows that bicycle mobility ion. The CVoC is dependent on the amount of cycling Jpetitive relation of the biovale with the other medae an

Cycle street



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dhoven

Hague

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Bus and bicycle lane

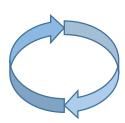
154. chede 427,714 89 2.5 24% 170.960 15,137 913 ersfoort 141,210 14,721 104 386,524 2.7 27%

al CVoC (data source: MON 2008, emission factors ADB (2010))





Proposed changes: cycle use KPI



EU LEVEL

- Collect more cycling use data and statistics in existing European surveys (e.g. European level such as the Eurobarometers and the Health Interview surveys)
- Promote harmonisation NTS
- Create guidelines and recommendations for harmonisation of existing national, regional and local statistics
- Provide additional funding for cycling data collection and analysis



NATIONAL LEVEL

Carry out harmonized NTS

REGIONAL AND LOCAL LEVEL

Use EU standards in data collections



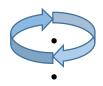


Proposed changes KPI on cycling infrastructure, environment, QOL

EU LEVEL

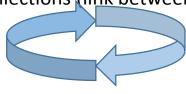


Support further research on cyclists' needs for cycling infrastructure



More synergy among existing European data collections (link between infrastructure, user satisfaction and QOL)

Incorporate explicitely SDG goals into EU goals



NATIONAL, REGIONAL AND LOCAL LEVEL

create national, regional and local databases/inventories of cycling infrastructure, including quality indicators





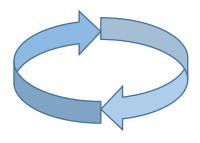
Proposed changes bicycle business performance KPI

EU LEVEL

- Develop TSA in Europe, including cycling
- Support more research on the economic impact of cycling
- Short term guidelines for common definitions, harmonisation methods
- More synergies among data collection initiatives

NATIONAL, REGIONAL AND LOCAL LEVEL

Collect data according to harmonised European standards







Proposed changes safety and health KPI

EU LEVEL

- Guidelines and recommendations to produce comparable statistics
 - o cycle use (pkm), modal split, ...
 - o combined with cycling accident statistics
 - o exposure



where people cycle

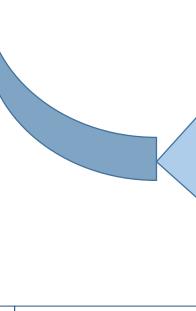


in relation to motorized traffic and infrastructure characteristics

Support more research on the health effects of cycling



• Collect data according to harmonised European standards







Proposed changes KPI climate change mitigation and SD

EU LEVEL

- Research complex relations between cycling, sustainable development and climate change mitigation
- Good practise examples

NATIONAL, REGIONAL AND LOCAL LEVEL

• Include cycling measures in the monitoring of the achievement of national, regional and local climate goals







Common definitions physical learn representation of the common definition of the common definiti **EU LEVEL**

- Research user satisfaction, safety and security linked to cycling infrastructure
- Absence of definitions = opportunity for short term change
- 1) existing standards (wheat is a bikes) cycle of the standard 4210 'Cycles Safety requirements for bicycles' also listed as a harmonised standard (GPSD) (ago dycliffer antictype sto bead aleas) collection

NATIONAL, REGIONAL AND LOCAL LEVEL

2) lack of tities and harmonisation methods population cycling regularly, trip stages, ...)

• Apply adopted guidelines and recommendations









Use crowdsourcing and big data collection monitoring



Proposed changes: legal framework and guidelines for harmonised data collection from big data sources like smartphone GPS sources (e.g. Privacy)

Combination tracking, counts, surveys, analytical tools, ...

