EMI17

AMOUNT OF BIODEGRADABLE MUNICIPAL WASTE (BDMW)

Number	EMI17
Indicator name	Amount of biodegradable municipal waste (BDMW)
Area	M
Indicator definition	The total amount of biodegradable municipal waste (BDMW) produced per year. This is then converted into corresponding greenhouse gas emissions. BDMW, generally called biowaste, is any waste that is capable of anaerobic or aerobic degradation (e.g. food, green waste, paper, garden waste, park waste or urban forest waste).
Indicator unit	kg CO_2e/pers.
Key words	Waste, waste management, biowaste
Reason for tracking and usability	In total, waste production represents 3 – 10 % of greenhouse gas emissions in the cities of the Czech Republic and the Slovak Republic. BDMW accounts for about 40 % of mixed municipal waste. Better use of BDMW through its sorting and composting or disposal in a biogas plant has a significant mitigation potential. The area of disposal of BDMW is in the competence of cities/city districts/municipalities and this is the reason for including the indicator in Klimasken.
Completeness, representativeness, validity	The indicator is sufficiently representative if it is possible to obtain data on municipal waste management and the amount of sorted BDMW. These are compulsorily reported for cities/city districts/municipalities, either by the statistical office or as part of environmental reporting. Validity may be diminished by the fact that the classification of waste according to the waste catalogue and disposal methods is in some cases inaccurate and misleading. The indicator also does not include bio-waste generated from industrial processes, food industry, etc., so it rather underestimates the total amount of emissions associated with waste generation.

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Description of data processing	From the statistics of waste production from the city/city part/municipality, it is necessary to obtain data on all generated biodegradable municipal waste (BDMW). BDMW is any waste that is capable of anaerobic or aerobic decomposition (e.g. food, green waste, paper, garden waste, park waste or public green waste). It is part of a wider category of municipal waste. It is all waste generated on the territory of the city/city part/municipality in the activity of natural persons, which is listed as municipal waste in the law, with the exception of waste from entrepreneurs classified into other categories. Municipal waste is also considered to be all waste generated in the city/city part/municipality from trades, offices and the like, which is practically identical in composition to municipal waste.
	The input data of the indicator is the total weight of BDMW generated in the city/city part/municipality. The method and place of liquidation of BDMW are not solved within the determination of the indicator. The production of municipal waste disposed of in landfills is then recalculated within the instrument according to general emission factors into the corresponding greenhouse gas emissions and these are related to one inhabitant of the city/city district/municipality.
Data source	The primary source of data is the city/city district/municipality – department of the environment, which keeps waste statistics. Furthermore, it is possible to correct the data by using the records of the operator of the local waste management system, which ensures the removal and disposal of BRKO waste (e.g. technical services).
Tracking frequency	Once every year
Urban influence	The city/city district/municipalities and the organizations managed by them can directly influence the production and sorting of municipal waste in their facilities. They can also improve the BDMW sorting system, i.e. accessibility for citizens and the way of handling BDMW (e.g. construction of a composting plant or provision of composters to citizens. The city/city district/municipality can also raise awareness for citizens to better sort the BDMW.
Presentation method	The results will be presented in a uniform Klimasken framework on a five–point scale according to specified intervals (kg CO2e / inhabitant)

Responsibility

Processor KLIMASKEN, city, city district, municipality