



The Indicators Menu

Science-based indicators to guide municipal administrations in implementing their climate change mitigation goals

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Bridging European &
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Contents

Domains

Introduction	4
Governance	5
Education and Communication	7
Land Use (Agriculture, forestry and other land use)	9
Consumption Patterns	11
Waste Management	13
Energy	16
Transportation and Mobility	19
Spatial Planning	21

What are the Indicators?

Indicators are essential for measuring the implementation of climate change mitigation (CCM) actions. Quantifying measures enables the user to have an objective measuring stick for progress that can be used to further raise ambition, fulfill political targets, qualify for funding schemes, and more effectively communicate CCM achievements. To this end, the Indicators Menu for Local Climate Change Mitigation was developed to help municipalities better quantify their CCM goals. The Indicators Menu, and the Climate Change Mitigation Kit benefited greatly from inputs from the local implementing BEACON Partners, CRES, FC.ID, NTEF, OER, PNEC, and SEVEN.

What is the purpose of this document?

This document is meant to accompany the Indicators Menu excel workbook. It is part of the larger Climate Change Mitigation Kit (CCM Kit), which additionally consists of the Roadmap and the Guidelines. It provides an overview of the specific information pertaining to the indicators in the excel workbook. The indicators presented represent a selection of those available in the total menu, ones which were deemed ripe for funding opportunities and more useful for monitoring the implementation of the corresponding roadmap recommendations. This was a general evaluation, and some indicators not highlighted in the PDF might be more useful to you as a municipality or your national context, therefore you are encouraged to reference the Indicators Menu excel workbook to see all of the ones available. The Domains in this document correspond to those in the Roadmap and the document is structured in the same way as well, i.e., the Domains are presented in the same order and similarly are sectioned off by recommendation. For information on the recommendations please reference the Roadmap. The indicators are intended to serve as an inspiration and are not prescriptive, they can be adjusted and amended to fit your local and national context. Their implementation and usefulness should be seen in the context of the wider CCM Kit and the planning steps as outlined in the Guidelines.

What is in this document?

The specifics on the indicators contain four columns: name and description, the indicator number, suggested units for measuring the outcomes, and the relevance of the indicator based on responses from surveyed municipalities. The number makes it easy to find the indicator in the excel workbook.

Evaluating the relevance of the percentage

The percentages show the level of agreement among the municipalities. The level of consensus is divided into five categories. 100% represents total municipal consensus and thus highly recommended. 90-99% corresponds to 'high agreement' and thus recommended. 75-89% is 'medium agreement' and is thus recommended in specific situations. 50-74% represents 'low agreement' and is thus recommended only after thorough adaptation. If an indicator scored below 50% it was treated as if there were no municipal agreement and as such not recommended. For a detailed explanation of the methodology please refer to the final sheet of the accompanying excel workbook.

A. Provisioning Sustainable Services/Green Public Procurement

Indicator	Number	Units	Relevance based on Surveys
Municipal services with environmental management or other related certifications Rate of municipal public services offered with a validated sustainable certification (for example, EMAS, ISO or others) updated every year	G1	% certifications per year	95.00%

B. Promote Information Policies

Indicator	Number	Units	Relevance based on Surveys
Territorial GHG emissions GHG emissions emitted within the municipal territory based on the baseline emissions inventory, updated every year	G2	CO2 eq Tonnes per year	100%
Territorial GHG sinks GHG emissions captured based on vegetation cover of the municipality, updated every year	G3	CO2 eq tonnes per year	89.47%


C. Undertake Voluntary Actions

Indicator	Number	Units	Relevance based on Surveys
Sustainable Energy and Climate Action Plan (SECAP) Rate of successfully implemented measures over the total measures proposed for climate change mitigation in the SECAP (Covenant of mayors), based on the SECAP's monitoring system	G5	% of measures implemented per year	84.21%
Climate action plan's success (different from SECAP) Rate of successfully implemented measures over the total measures proposed for climate change mitigation in other(s) local action plan(s) (different from SECAP), based on the monitoring system of the plan, disclosed by the plant	G6	% of measures implemented per year	87.50%


D. (Re)municipalise Local Services to Foster Institutional Capacity for Climate Change Mitigation

Indicator	Number	Units	Relevance based on Surveys
Ownership of municipal services Rate of municipal services completely owned by the local administration over the total of municipal services, disclosed by sector, updated every year	G7	% owned municipal services	88.24%

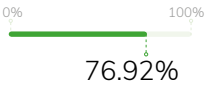
B.1. Dissemination of general information on climate change and local environmental conditions

Indicator	Number	Units	Relevance based on Surveys
Social media activity Number of interactions in municipal social media publications (likes, shares, comments) about climate change issues per year	EC5	Number of interactions in municipal social media publications (likes, shares, comments) about climate change issues per year	 82.35%

B.3. Invest in non-commercial advertising campaigns to increase citizen awareness about the climate change crisis and regenerative responses

Indicator	Number	Units	Relevance based on Surveys
Awareness raising campaigns Municipal resources used to raise awareness among citizens about the climate change issue and their potential contribution to take action per year	EC7	€ per inhabitant or Staff working hours per year	 92.86%




B.3. Promote an improved capacity for local organic food production with special attention to indigenous knowledge/local knowledge

Indicator	Number	Units	Relevance based on Surveys
Enhancing indigenous/local knowledge for organic food** production Rate of citizens who attended training or conferences about local or indigenous agriculture over the municipal population	L11	% citizens per year	 76.92%

C.1. Increase municipal forest areas

Indicator	Number	Units	Relevance based on Surveys
Forest**** area in the municipality Rate of forest**** area in the municipality over the total municipal area per year	L12	% Forest area per total municipal area, per year	 78.57%
Resource mobilisation for ecosystem conservation Public expenditure on conservation and sustainable use of biodiversity and ecosystems (for example, forest) updated every year	L14	€/municipal area (m2) per year	 100%
Protected forest**** areas Proportion of municipal forest area under a legal framework of protected areas, updated per year	L15	% certified activities per year	 100%

E. Increase Green Urban Spaces and Infrastructure, Paying Special Attention to Local Biodiversity

Indicator	Number	Units	Relevance based on Surveys
Natural areas & Green public spaces Rate of urban natural areas or urban public green spaces over the total urban area per year	L21	% ha per year	 93.75%
Urban green space cover Rate of urban green space cover, including vegetation canopy cover and blue areas, over the total urban area per year	L22	% ha per year	 92.86%
Green corridors Rate of areas (ha) that connect protected natural areas and urban green spaces in the total urban area, using the green infrastructure index as a measure	L23	Ha of Green Corridors /Total urban area	 100%

B. Adopt Green Public Procurement

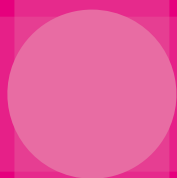
Indicator	Number	Units	Relevance based on Surveys
Green Public Procurement Rate of public procurement contracts that includes green public criteria disclosed by sector and year	C2	% green public procurement criteria per sector and year	0% 100% 100%

E. Promote Sustainable Consumption



Indicator	Number	Units	Relevance based on Surveys
Organisations with environmental systems certifications Rate of organisations (including the private sector) based on the municipal territory with an EMA/ISO 14001 certification (or other sustainable certification) updated every year	C13	Nº of sustainably certified organisations per year	0% 100% 85.71%

F. Facilitate Locally Produced Product Consumption



Indicator	Number	Units	Relevance based on Surveys
Municipal local organic food sellers Density of declared local and organic food sellers in the municipality per 100 inhabitants, updated every year	C15	Local Organic food sellers per 100 inhabitants and year	0% 100% 92.31%




A - Reduce Urban Solid Waste Production with Special Attention to Food Waste and Single-Use or Short- Life Products

Indicator	Number	Units	Relevance based on Surveys
Combusted urban solid waste Tonnes of urban solid waste (USW) that is combusted over the total waste produced per year	W1	Tonnes of combusted USW per year	 73.68%
Amount of single-use plastic waste produced Tonnes of single-use plastic waste produced in the municipality per month	W3	Tonnes of single-use plastic per month	 77.78%


B – Enable the “Right To Repair”, Promote the Exchange Of Second-Hand Goods and Increase Awareness About Re-use

Indicator	Number	Units	Relevance based on Surveys
Second-hand stores in the municipality Density of second-hand stores in the municipality per 100 inhabitants, updated every year	W4	Second-hand Stores per 100 inhabitants and year	 70.59%
Repair offices in the municipality Density of declared repairs offices in the municipal territory per 100 inhabitants disclose by sector, updated every year	W5	Declared repair Offices per 100 inhabitants and year	 87.50%


C – Promote Recycling

Indicator	Number	Units	Relevance based on Surveys
Municipal recycling rate Rate of urban solid waste (USW) that is recycled over the total waste produced per month	W6	% recycled USW per month	 100%


D.2 - Biogas production: Capture methane from waste management or wastewater management

Indicator	Number	Units	Relevance based on Surveys
Biogas recuperation Tonnes of methane recovered per month, disclosed by centralised compost system and wastewater treatment	W10	Tonnes of recovered methane per month	 72.22%



D.3 - Reduce landfill waste disposal

Indicator	Number	Units	Relevance based on Surveys
Urban solid waste disposal in landfills Tonnes of urban solid waste (USW) disposed into non-controlled landfills per month	W11	Tonnes of USW per month	 78.95%



D.4 - Reduce the amount of untreated wastewater

Indicator	Number	Units	Relevance based on Surveys
Wastewater treatment Proportion of treated wastewater over the total wastewater generated in the municipality updated every year	W12	% Treated wastewater updated every year	 100%



A - Promote Appropriate Renewable Energy (RE) Production

Indicator	Number	Units	Relevance based on Surveys
Total renewable energy* (RE) production self-sufficiency Rate of total RE produced in the municipal territory over the total final municipal energy consumption (including all existing renewable energy communities****)	E1	% (KWh local produced RE / total municipal KWh consumed) per year	 90.48%
Municipal self-sufficiency in energy production using renewable energy* Rate of total RE produced in the municipal territory by the municipal administration over the total energy municipal consumption (only public RE Community****)	E2	Rate of total RE produced in the municipal territory by the municipal administration over the total energy municipal consumption (only public RE Community****)	 85.00%

D - Increase Energy Efficiency in Municipal or Local Buildings and Infrastructure

Indicator	Number	Units	Relevance based on Surveys
Building sector energy consumption Buildings Sector (households** + services) energy consumption per capita and year	E11	(KWh/inhabitants) per year	 100%
Energy Consumption of Public Spaces and Street Lighting Amount of energy consumed by area of the public space, disclosed by neighbourhood, per year	E12	(KWh/m2) per year	 95.00%


E - Facilitate Citizen and Private Sector Involvement to Increase Energy Efficiency

Indicator	Number	Units	Relevance based on Surveys
Energy efficiency regulations Existence of energy efficiency regulations in the relevant municipal plan	E14	Yes/No	 88.24%
Subsidies for energy efficiency Number of public subsidies given to municipal based actors to increase energy efficiency in buildings, disclosed by type of subsidy, per year. Note: Not only subsidies from local administration, other donors included	E15	Projects subsidized per year	 88.89%




F - Encourage Energy Consumption Reduction

Indicator	Number	Units	Relevance based on Surveys
Total energy consumption in the municipality Total energy consumption of the municipality, disclosed per appropriate sectors, per year	E16	KWh per year	<div> <div></div> <div>0%100%</div> <div>90.48%</div> </div>
Real-time energy consumption data Does the municipality have access to real-time municipal electricity consumption data?	E18	Yes/No	<div> <div></div> <div>0%100%</div> <div>94.74%</div> </div>
Communication campaigns to reduce energy consumption Municipal resources for energy consumption reduction communication campaigns	E21	€/inhabitant or Staff working hours/year	<div> <div></div> <div>0%100%</div> <div>100%</div> </div>

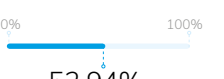


C - Reduce Automobile Dependency, Especially Dependency on Light-Duty Vehicles

Indicator	Number	Units	Relevance based on Surveys
Light Duty Vehicle*** fleet in the municipality Percentage of municipal households** that own a car (disclosed by number of cars per household: None, One, Two or more and, disclosed by car engine: electric, hybrid, gasoline, gas, and so on) per year	T4	% households that do not own a car, % Households that own one car, % Households that own two or more cars, per year	 88.24%

E - Promote Low-Carbon Collective Transportation (Trains, Waterborne and Low-Carbon Buses)

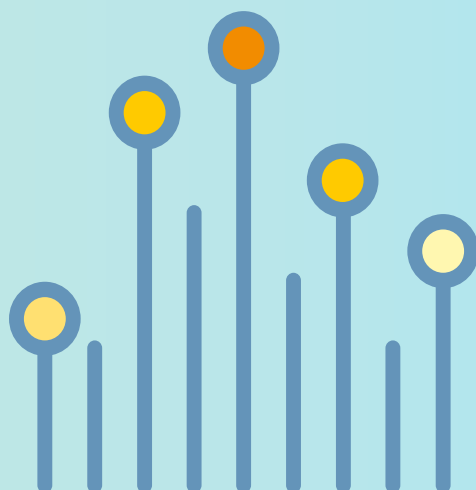
Indicator	Number	Units	Relevance based on Surveys
Commuting timing by public transportation Average commuting travel time among the different modes of transportation, updated every year	T6	Minutes per year	 88.24%
Public transportation accessibility Rate of urban population within a maximum of 500m distance to the nearest public transport stop, updated every year	T7	% of urban population	 88.89%
Public transportation frequency Average frequency of public transportations towards the main urban area by buffer (every 2, 5, 10, 20 and 50 km buffer from the centre of the main urban area) updated every year	T8	Times/hour	 83.33%

F - Promote and Increase Accessibility and Safety for Non-Motorised Transportation (for Example, Cycling or Walking)

Indicator	Number	Units	Relevance based on Surveys
Speed-limited areas Extent of municipal roads with speed limits up to 30km/h for LDVs***, updated by year	T12	m2 of speed limit areas (30km/h) per total road's area per year	 52.94%
Bicycle lanes status Bicycle lane density updated per year	T16	m per 100 inhabitant and year	 94.74%
Sidewalks status Density of sidewalks and pedestrian paths updated per year	T17	m per 100 inhabitant and year	 100%

C - Prioritise Sustainable and Resilient Infrastructure while minimising lifecycle GHG emissions

Indicator	Number	Units	Relevance based on Surveys
Lifecycle assessment of GHG emissions for infrastructures Amount of municipal Infrastructure with an integrated lifecycle assessment of GHG emissions, updated every 3 years	SP15	% infrastructures per 3 years	<div><div></div><div>0%100%</div><div>92.86%</div></div>



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