

Required data	
Data input type	Quantitative
Data collection frequency	
Level of expertise required	High
Synergies with other indicators	
Connection with SDGs	SDG 11 Sustainable cities and communities, SDG 13 Climate action, SDG 15 Life on land
Additional information	
References	http://bcodata.who.edu/LaurentianGreatLakes_Chemistry/bs116.pdf

2.1.7 Soil carbon decomposition rate

Project Name: PHUSICOS (Grant Agreement no. 776681)

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Soil Carbon Decomposition Rate		Climate Resilience Green Space Management
Description and justification	Indicators of Carbon Sequestration in Soil sub-criterion will assess the carbon sequestration in soil.	
Definition	Decomposition of Carbon is a part of the Carbon cycle and is essential for recycling the finite matter that occupies physical space in the biosphere. Decomposition is the process by which organic substances are broken down into simpler organic matter. One can differentiate abiotic from biotic decomposition (biodegradation). The former means "degradation of a substance by chemical or physical processes, e.g., hydrolysis" (Water Quality Vocabulary. IShaO 6107-6:1994). The latter means "the metabolic	

	breakdown of materials into simpler components by living organisms", typically by microorganisms.
Strengths and weaknesses	
Measurement procedure and tool	Model/Sampling/Survey
Scale of measurement	%
Data source	
Required data	
Data input type	Quantitative
Data collection frequency	
Level of expertise required	High
Synergies with other indicators	
Connection with SDGs	-
Opportunities for participatory data collection	
Additional information	
References	