

Opportunities for participatory data collection	
Additional information	
References	

8.9.2 Non-woody vegetation cover

Project Name: PHUSICOS – According to Nature (Grant Agreement no. 776681)

Author/s and affiliations: Gerardo Caroppi^{1,2}, Carlo Gerundo², Francesco Pugliese², Maurizio Giugni², Marialuce Stanganelli², Farrokh Nadim³, Amy Oen³

¹ Aalto University, Department of Built Environment, Espoo, Finland (gerardo.caroppi@aalto.fi)

² University of Naples Federico II (UNINA), Department of Civil, Architectural and Environmental Engineering, Naples, Italy

³ Norwegian Geotechnical Institute (NGI), Oslo, Norway

Non Woody Vegetation Cover		Green Space Management
Description and justification	Indicators of Structural Diversity sub-criterion will assess the vegetation structural diversity in order to assess the soil cover. Maintaining a permanent soil cover is important in conservation agriculture, it protects the top soil from soil erosion, maintains soil moisture, smothers weeds and aids in nutrient cycling.	
Definition	Soil covered by non woody and herbaceous plants.	
Strengths and weaknesses		
Measurement procedure and tool	GIS/Project Data Unit of measure: %	
Scale of measurement		
Data source		
Required data		
Data input type	Quantitative	
Data collection frequency		
Level of expertise required	Medium	

Synergies with other indicators	
Connection with SDGs	3; 13
Opportunities for participatory data collection	
Additional information	
References	

8.9.3 Total Leaf Area

Project Name: Nature4Cities (Grant Agreement no. 730468)

Author/s and affiliations: Florian Kraus¹, Bernhard Scharf¹

¹ Green4Cities GmbH/GREENPASS GmbH

Leaf Area (LA)	Green Space Management Climate Resilience Air Quality
Description and justification	The LA (Leaf Area) is a Key Performance Indicator of the GREENPASS® system. It expresses the sum of leaf area of NBS within project area. The Leaf Area is the operating surface of NBS and therefore decisive for climate regulation, carbon storage and air purification.
Definition	The LA (Leaf Area) describes the total amount of leaf area of all NBS in a project area.
Strengths and weaknesses	+ key performance indicator regarding biodiversity + easy for communication, understanding and decision-making + useful for design optimization + link the NBS performance to a single number - needs area analysis and calculation
Measurement procedure and tool	- NBS analysis of an area and calculation (eg with GREENPASS® system and tools) - numerical value in m ²
Scale of measurement	Object, neighbourhood and city scale
Data source	
Required data	- project area - NBS typologies and areas