Data collection frequency	Twice; once before the implementation of the nature-based solutions and once after.	
Level of expertise required	Low	
Synergies with other indicators	This indicator is linked to physical activity.	
Connection with SDGs	Good health and wellbeing: if the implementation of NBS is associated with an increase in physical activity, NBS contribute to improved health and wellbeing.	
Opportunities for participatory data collection	The questionnaires are self-reported and as such are reported by the citizens themselves.	
Additional information		
References	Lee, Macfarlane, Lam & Stewart. 2011. Validity of the international physical activity questionnaire short form (IPAQ-SF): A systematic review. International Journal of Behavioral Nutrition and Physical activity. 8,115.	
	Nutrition and Englical activity. 0,115.	

22.2 Observed physical activity level within NBS

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Observed physical	activity level within NBS	Health and Wellbeing
Description and justification	An indicator of the total physical activity that takes place in a NBS, obtained by direct observation of activity in the NBS. This is an important indicator of the potential benefits obtained from a NBS, as implementing a new NBS or improving an existing NBS is hypothesized to increase the use and activity that takes place in the NBS.	
Definition	Observed weekly physical activity in the NBS (% over three levels of physical activity [sedentary, walking, or vigorous])	
Strengths and weaknesses	A strength is that the indicator estimate of the physical activity in the NBS. Moreover, it disent activity/use of these spaces (e. jogging/running, cycling, etc.) observation tool has been wide activity in parks, playgrounds, environments. A potential weak	is objective and provides an y that take place specifically angles different types of .g., walking, that occur in NBS. This ly used to assess physical and other relevant kness is that the

observations take place in one week, and by chance, this week may not be representative of the physical activity that generally takes place in the NBS.		
System of Observing Play and Recreation in Communities (SOPARC) uses direct observation to estimate the number of visitors and provides an assessment of the visitors' physical activity levels. Trained observers go to the NBS site to observe and count the number of users, and type of activity that they are doing at the site (e.g., sedentary, walking, or very active). These observations are systematic and periodic; measurements are taken in specific periods of time (morning, lunchtime, afternoon, and evening) and specific days (within one week; two weekdays and two weekend-days). This procedure is repeated twice; once before the NBS is implemented and once after the NBS is implemented.		
NBS level		
SOPARC observation and summary forms		
Continuous variables		
Twice (once before and once after the implementation of the NBS), except if the site is not accessible before the implementation of the NBS (in that case, just once, only after the implementation)		
Low		
This indicator is linked to physical activity indicators.		
Good health and wellbeing: if the implementation of NBS is associated with an increase in physical activity, NBS contribute to improved health and wellbeing.		
The tool could be implemented by ordinary citizens after a short formal training.		
Additional information		
 McKenzie, Cohen, Sehgal, Williamson, Golinelli, (2006). System for Observing Play and Recreation in Communities (SOPARC): Reliability and Feasibility Measures. J. Phys. Act. Health 3 Suppl 1, S208-S222. 		