22ADDITIONAL INDICATORS OF HEALTH AND WELL-BEING

22.1 Self-reported physical activity

Project Name: proGIreg (Grant Agreement no. 776528)

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Self-reported physical activity Health and Wellbeing		
Description and justification	An indicator of overall physical activity a participant does per week, based on the most-used validated short physical activity questionnaire. Several studies on the association between green space exposure and physical activity have shown that an increase in green space was associated with more physical activity. However, these results were not always consistent.	
Definition	Self-reported physical activity in metabolic equivalent of task (<i>MET</i>) minutes per week	
Strengths and weaknesses	A strength of this indicator is the validated and widely used quest overall physical activity level. The translated into many languages many times. A limitation is that reported, although validation so that the questionnaire is reliable it measures overall physical activity do	stionnaire to assess the This questionnaire has been s and has been re-validated t the indicator is self- tudies have demonstrated le. Another limitation is that tivity, thus not specifically
Measurement procedure and tool	The indicator is obtained using sample of the general population short-from International Physice (IPAQ). In the IPAQ, the partice days and how much time per de physical activity, moderate physical activity, moderate physical activity, moderate physical physical activity in MET minute calculated. This survey is repeated before implementations of NBS in order change in physical activity.	on. The survey includes the cal Activity Questionnaire ipants are asked how many lay they spent on vigorous vsical activity, walking, and these data, the overall is per week can be and after the
Scale of measurement	General population in residentia	al neighbourhoods
Data source		
Required data	Questionnaire data	
Data input type	Continuous variables	

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.	

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 is objective and provides an estimate of the physical activity that take place specifically in the NBS. Moreover, it disentangles different types of activity/use of these spaces (e.g., walking, jogging/running, cycling, etc.) that occur in NBS. This observation tool has been widely used to assess physical activity in parks, playgrounds, and other relevant environments. A potential weakness is that the	