14.20 Opportunities for tourism

Project Name: PHUSICOS (Grant Agreement no. 776681)

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

³ Norwegian Geotechnical Institute (NGI), Oslo, Norway

Development of Tourism		Place Regeneration
Description and justification	Some NBS projects could promote a new touristic development of rural and mountainous area in many different ways: by creating a new qualified natural attraction (a riverside, a green infrastructure, a new sport trial in natural context), increasing accessibility to and/or connecting existing cultural heritage sites or landscape viewpoints. This could increase touristic activeness in the study area.	
Definition	The indicator could be define over a year. The number of visitors can be people visiting the study area. In the Baseline Scenario, the consulting data on tourism, ovisitors in the study area. In the Design Scenario, the inadopting a five-point Likert it Poor", "Poor", "Average", "Go evaluate the likelihood of occitouristic activeness. In the Long Term Scenario, the calculated, as in the Baseline data made available some yesolutions have been implementation.	e defined as the amount of a. indicator will be calculated counting the number of embedding and "Very Good", and "Very Good to curring the increasing of the indicator will be a Scenario, considering the ears after NBS/Grey/Hybrid
Strengths and weaknesses	Collecting the data necessary be time and money consumir	y to assess the indicator coulding.
Measurement procedure and tool	The number of visitors can be survey or assessed using more entail an ex-post indicator expressively can be carried out in expear, for instance one week for number of visitors detected on the conomic resources for an accommodate of visitors can be estimated to the survey of the conomic resources.	dels. Both these approaches valuation. Ad hoc direct different periods over the for each season, and the can be multiplied for the When there is no time and/or d hoc direct survey the

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

	needs official data concerning tourists (National institute of statistics, Regional tourism agency, etc.) and/or other proxy data (amount of solid urban waste produced; electricity consumption in private houses; number of houses available for vacation).
Scale of measurement	No./year
Data source	Public agencies (National institute of statistics, Regional tourism agency, Municipalities, etc.)
Required data	Number of visitors in the study area
Data input type	Quantitative
Data collection frequency	Annual
Level of expertise required	Medium
Synergies with other indicators	Number Of Visitors In New Recreational Areas
Connection with SDGs	8
Opportunities for participatory data collection	
Additional information	
References	

14.21 Building structure - Urban form

Project Name: MAvES (Mapping, Assessment and Valuation of Ecosystems and their Services) (JRC-D3- Institutional project)

Author/s and affiliations: Grazia Zulian¹, Joachim Maes¹, Guido Ceccherini²

 $^{^2}$ European Commission Directorate-General Joint Research Centre Directorate D (D1 -Bio-Economy)

Building Structure	•	Place Regeneration	
Description and	Urban Form provides a spatially explicit metric to describe		
justification	the settlements pattern.		
	The indicator has been deriving scale, from the sprinkling (S	ved, and adapted at European SPX) index -mean Euclidean	

 $^{^{1}}$ European Commission Directorate-General Joint Research Centre Directorate D (D3 -Land Resources)