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24.19 Jobs created in NBS construction and maintenance

Project Name: PHUSICOS (Grant Agreement no. 776681)

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Jobs Created In NBS Construction and Maintenance	**New Economic Opportunities and Green Jobs**
Description and justification	Some NBS projects could have a potential to generate new jobs and new economic opportunities (Raymond et al., 2017; Byrd et al., 2017; European Commission, 2013). Literature reports many examples (OPPLA Case Studies). In detail, extended NBS projects are likely to create new jobs in the construction and maintenance of these interventions.
Definition	This Indicator will be equal to 0 in the Baseline Scenario and could be inferred in the Design Scenario by the different executive projects to be evaluated (if they contain an esteem of needs regarding number of workers to be employed). Otherwise it could be measured, through a probabilistic scale and inferred by statistical data in the Long-Term scenario.
Strengths and weaknesses	Collecting the data necessary to assess the indicator could be time and money consuming.
Measurement procedure and tool	In the Design Scenario, the indicator will be assessed consulting executive projects reports and counting the number of workers to be employed. If executive projects reports do not provide this esteem, a five-point Likert item with categories “Very Poor”, "Poor", "Average", "Good", and "Very Good", could be adopted to assess the likelihood of occurring the creation of new jobs

	in the nature-based solution construction and maintenance activities related to tourism sector in the study area. In the Long Term Scenario, the indicator will be calculated consulting: - construction site reports, counting the number of people that have been recruited to build the new infrastructure; - data on new jobs, counting the number of recruitments in activities related to new infrastructure maintenance.
Scale of measurement	Probabilistic scale; No.
Data source	National Statistical Institute, Chamber of Commerce; Municipality, Building companies
Required data	Construction Site Reports; Data on recruitments by categories of economic activities
Data input type	Quantitative
Data collection frequency	Annual
Level of expertise required	High
Synergies with other indicators	
Connection with SDGs	8
Opportunities for participatory data collection	
Additional information	
References	Byrd C., Andersson E., Kronenberg J., Hansen R., Buijs A. (2017). Understanding and Promoting the Values of Urban Green Infrastructure: a learning module. GREEN SURGE project Deliverable 4.5, University of Copenhagen, Copenhagen, Denmark European Commission (2013). Rural Development in the European Union - Statistical and economic information – 2013. European Union, 2013. https://ec.europa.eu/agriculture/statistics/rural-development/2013_en Raymond C.M., Berry P., Breil M., Nita M.R., Kabisch N., de Bel M., Enzi V., Frantzeskak N., Geneletti D., Cardinaletti M., Lovinger L., Basnou C., Monteiro A., Robrecht H., Sgrigna G., Munari L., Calfapietra C. (2017). An Impact Evaluation Framework to Support Planning and Evaluation of Nature-

	based Solutions Projects. Report prepared by the EKLIPSE Expert Working Group on Nature-based Solutions to Promote Climate Resilience in Urban Areas. Centre for Ecology & Hydrology, Wallingford, United Kingdom

24.20 New employment in the tourism sector

Project Name: PHUSICOS (Grant Agreement no. 776681)

Author/s and affiliations: Gerardo Caroppi[1,2], Carlo Gerundo[2], Francesco Pugliese[2], Maurizio Giugni[2], Marialuce Stanganelli[2], Farrokh Nadim[3], Amy Oen[3]

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New Employment in the Tourism Sector	New Economic Opportunities and Green Jobs
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 promote new jobs in tourism sector (e.g., B&B, restaurants, café, and touristic guides).
Definition	In the Baseline Scenario this indicator is equal to the number of new employment in the tourism sector, and gives information about the dynamism of tourism sector in the study area before the project will be implemented. The indicator could be also estimated in the Design Scenario, using a probabilistic scale (e.g., Likert Scale). It also will be assessed in a Long Term Scenario, considering data made available some years after NBS/Grey/Hybrid solutions have been implemented, computing the number of new employment in the tourism sector activities related to tourism sector in the study area.
Strengths and weaknesses	Collecting the data necessary to assess the indicator could be time and money consuming.
Measurement procedure and tool	In the Baseline Scenario, the indicator will be calculated consulting data on new jobs, counting the number of recruitments in activities related to tourism sector activities related to tourism sector in the study area.