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10.12 Polluted soils

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]

[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*

Polluted Soils	Biodiversity
Description and justification	This indicator evaluates whether the project scenarios enhance the ability of a soil to resist or recover their healthy state in response to destabilising influences.
Definition	This Indicator describes the quantity of soils in the study area, measured in hectares, used for highly polluting industries, brownfields, drosscapes, mines, dumps, construction sites. It provides a quick evaluation of soil quality since the less polluted a soil is, the higher its overall quality.
Strengths and weaknesses	+ In a long-term scenario, the Indicator could be re-assessed, monitoring, through a direct survey, if the NBS implementation has produced impact on soil resilience.

	- It doesn't take into account polluted soils within natural areas.
Measurement procedure and tool	The final formula of Polluted Soils (*PS*) results as: $$PS = \sum_i A_i^{PS}$$ where: A_i^{PS} is the estension of the i-th polluted area (e.g., highly polluting industries, brownfields, drosscapes, mines, dumps, construction sites) [ha] The indicator is easily calculated in a GIS environment using simple GIS geoprocessing tools.
Scale of measurement	ha
Data source	
Required data	Detailed land use data
Data input type	Quantitative
Data collection frequency	Annually
Level of expertise required	Medium
Synergies with other indicators	Related to indicators concerning land use cover.
Connection with SDGs	3
Opportunities for participatory data collection	Environmental stakeholders can be involved into the indicator measurement and can be interested in proposing areas to local authorities to be elected as SCI and SPA.
Additional information	
References	