Required data	Data on water abstractions and aquifer recharge, crop area and water needs, economic data on irrigation, labour demand per crop, etc.	
Data input type	Number, databases	
Data collection frequency	Yearly	
Level of expertise required	Technicians	
Synergies with other indicators		
Connection with SDGs	SDG 2, 6, 12	
Opportunities for participatory data collection		
Additional information		
References	NAIAD, Deliverable D6.3, DEMO Insurance Value Assessment Report. SC5-09-2016	

24.23 Rural Productivity Index

Project Name: PHUSICOS (Grant Agreement no. 776681)

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Rural Productivity Index		New Economic Opportunities and Green Jobs
Description and justification	NBS implementation can improve the productivity of rural areas, in term of agricultural products quality and quantity. This Indicator takes into account the variation of productivity of rural areas.	
Definition	The Rural Productivity Index describes the profits achievable from agricultural soils in the area. This Indicator could be calculated both in the Baseline Scenario taking into account the soils already cultivated, and in the Design Scenarios (e.g., NBS Scenario, Hybrid Scenario, Grey Scenario) considering the soils cultivated after project	

	implementation. The indicator could also be assessed in a Long-term scenario considering data made available some years after NBS/Grey/Hybrid solutions have been implemented.
Strengths and weaknesses	It could be difficult to find site-specific data concerning the mean profit per hectare of the cultivations in the study area
Measurement procedure and tool	The Rural Productivity Index (RPI) can be calculated using the following formula $RPI = \frac{\sum_{i=1}^{n} (k_i \cdot A_i)}{\sum_{i=1}^{n} A_i}$ where: k_i is the mean profit per hectare of the cultivation taking place in the i-th agricultural soils in the study area [€/ha]; A_i is the area of the i-th agricultural soils in the study area.
Scale of measurement	€/ha
Data source	Project team; Farmers' Associations
Required data	Project layout map (vector data), Farmers' Associations Report
Data input type	Maps; Vectorial data; Reports
Data collection frequency	Annual
Level of expertise required	Medium
Synergies with other indicators	
Connection with SDGs	8
Opportunities for participatory data collection	
Additional information	
References	