Life Project Specific Indicators Table

D.1 – Project performance indicators

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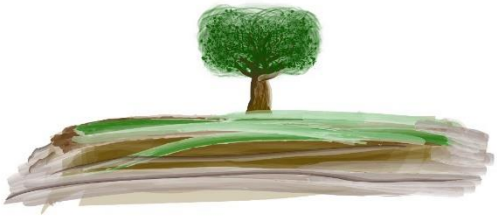

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Deliverable Name: Life Project Specific Indicators Table

Action D.1: Project performance indicators

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Table of content

1. Summary 1

Chapter I. Life RESILIENCE Specific Indicator Table 2

1. Life RESILIENCE Specific Indicator Table 3

Chapter II. Life RESILIENCE Specific Indicators Table Results (May-21) 5

2. Specific Indicators Table (May-21) 6

1. Summary

The impact during the Project is evaluated through the constant technical monitoring of Project Activities. Different indicators will be measured by specific methodologies (see MR Annex 10. "Deliverable A2_Training course material". -Chapter III). The parameters measured during the Project (18) is include in ten specific groups (Table 1). In this report, an indicators table with the update of the monitoring status of the different indicators is shown and whose results of which are compiled in the deliverables "C2. Yearly report on activities in demonstration sites Year 1" and "C2. Yearly report on activities in demonstration sites Year 2".

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Chapter I. Life RESILIENCE Specific Indicator Table

1. Life RESILIENCE Specific Indicator Table

Ten groups of indicators were selected for monitoring of the impact of the Project actions. In these groups we evaluated the benefits that the actions of this project has on tree health, soil quality, biodiversity, among others with 18 parameters (see Table 1). Table show the parameter´s name, when this parameter should be measured and the responsible partner. The methodology to evaluate each indicator was described in MR Annex 10. “Deliverable A2_Training course material”. -Chapter III).

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Table 1. Parameters to be measured for monitoring of the impact of the Project actions

Factor	Parameter	When	Amount in project	Partner responsible
(I) Tree Health	(01) Nutritional State (Foliar Analysis)	1 time a year: after full Bloom	5 strategies / Every demonstration (demo) site (Spain, Portugal and Italy)	GALPAGRO (SAHC, SALOV)
	(02) Tree Temperature	1 time a year: pre-harvest		AGRODONE
	(03) *Vegetative development* (NDVI, NDWI)	5 times a year: Blossoming, core hardening, oil production initiation, pre-harvest and post-harvest		
(II) Soil Quality	(04) Soil microbiological activity	1 time a year	Every demo site (Spain, Portugal and Italy)	AGRODRONE
	(05) Available Water Capacity (AWC)	First 6 months of the project (1-time project)		
	(06) Physicochemical analysis (SOM/SOC)	First and last 6 months of the project (2 times project)		
(III) Disease prevalence	(07) *Xylella fastidiosa* disease control	Once a year (*September*)	Every demo site	GALPAGRO
	(08) Insect vector trap	Every season (4 times a year)		Nutriprado
(IV) Weather	(09) Climatic and atmospheric data	Once a year	Every demo site	AGRODRONE
(V) Quality	(10) Olive Oil (organoleptic characteristics)	Every harvest (1 time a year)	5 strategies / Every demo site	GALPAGRO (SAHC, SALOV)
	(11) *Almond (size and USDA grades)*			
(VI) Water use	(12) Water Use Efficiency (WUE)	Every year after harvest	5 strategies / Every demo site	GALPAGRO (SAHC, SALOV)
	(13) Irrigation Water Productivity (IWP)			
	(14) Stem Water Potential (SWP)	1 time a week: every year from April to October	Replication: Spain (2 strategies)	GALPAGRO
(VII) Carbon Footprint	(15) CO_2 emitted (agricultural processes)	At the end of project	Every demo site	GALPAGRO
(VIII) Biodiversity	(16) Auxiliary fauna (insect populations)	Once a year	Every demo site	GALPAGRO
(IX) Production Value	(17) Money saved	At the end of the Project	Every demo site	GALPAGRO
(X) *Xf* Resilience	(18) Resilient Rate	Spring/Summer 2021 and 2022	Authorized laboratory	UCO (IVALSA)

Chapter II. Life RESILIENCE Specific Indicators Table Results (May-21)

2. Specific Indicators Table (May-21)

Table 2 shows the monitoring status of the indicators updated May 2021. During each season, all the necessary information is taken to calculate and evaluate each indicator. The information collected during the monitoring of the activities, which are being carried out in the project, is collected in different deliverables each year. So far, the following deliverables have been completed, which contain the results and discussion of the indicators measured in the first two seasons. So far, the following deliverables for the two seasons have been completed:

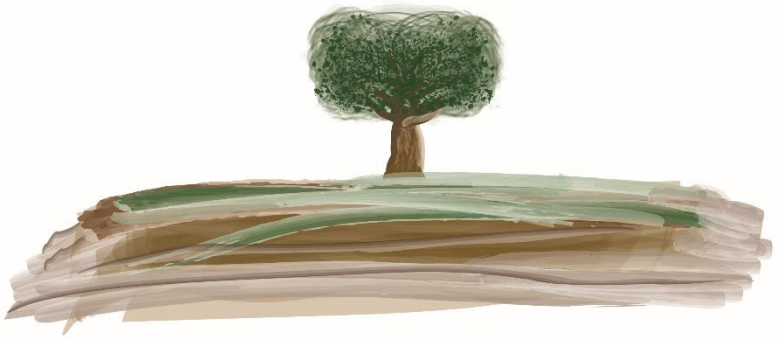
- ✓ Deliverable C2. Yearly report on activities in demonstration sites Year 1
- ✓ Deliverable C2. Yearly report on activities in demonstration sites Year 2

Table 2. Monitoring status of the Specific Indicator on May 2021

Factor	Parameter	Results Year 1	Results Progress Report. Year 2 (May 21)
(I) Tree Health	(01) Nutritional State (Foliar Analysis)	Deliverable C2. Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
	(02) Tree Temperature	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
	(03) *Vegetative development* (NDVI, NDWI)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
(II) Soil Quality	(04) Soil microbiological activity	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2

	(05) Available Water Capacity (AWC)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
	(06) Physicochemical analysis (SOM/SOC)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
(III) Disease prevalence	(07) *Xylella fastidiosa* disease control	In process	In process
	(08) Insect vector trap	In process	In process
(IV) Weather	(09) Climatic and atmospheric data	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
(V) Quality	(10) Olive Oil (organoleptic characteristics)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
	(11) *Almond (size and USDA grades)*		
(VI) Water use	(12) Water Use Efficiency (WUE)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
	(13) Irrigation Water Productivity (IWP)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2

	(14) Stem Water Potential (SWP)	Deliverable C2.Yearly report on activities in demonstration sites Year 1	Deliverable C2.Yearly report on activities in demonstration sites Year 2
(VII) Carbon Footprint	(15) CO_2 emitted (agricultural processes)	At the end of project	At the end of project
(VIII) Biodiversity	(16) Auxiliary fauna (insect populations)	Autumn 2021	Autumn 2021
(IX) Production Value	(17) Money saved	At the end of project	At the end of project
(X) *Xf* Resilience	(18) Resilient Rate	Spring/Summer 2021 and 2022	Spring/Summer 2021 and 2023



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