Guidelines APP SUSDIVER (version 1)

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The SUSDIVER guideline is dedicated to all stakeholders (farmers, advisors, policy-maker, etc.) who encounter questions regarding the use of this App.

The aim of SUSDIVER APP is to give the opportunity to users to select a diversified cropping system used in a farm and see how the agro-environmental and economic indicators can change at farm and territorial level.

It integrates also the guidelines delivered on the value chain analysis.

Look for 'SUSDIVER' in the Apple, or Google stores and download the App for free.



Once you have installed SUSDIVER in the following figure are indicated all steps to help users to navigate into the APP.



A window with the conventional crop of the	III vodatone IT III:42 III:42
farm selected appears. Users can select	K Back X
between the different diversification crops	
using the drop-down menu.	Crop comparison
	Conventional crop
	melon in summer and leaf 😽
	Diverification cross
	melon in summer and lost cabbage in
	melon in summer and real cabbage in
	melon in summer and leaf cabbage in
	Next
Once an option is selected, a window with all	
the farms characteristics of both conventional	K Back X
(CC) and diversified (DC) cropping systems	
appears.	LT1, Murcia
	CC: melon in summer and leaf
	cabbage in winter
	DC: melon in summer and leaf
	cabbage in winter
	2019
	CC DC
	Type CONVENTIONAL DIVERSIFICATIO N
	Soil texture LOAM LOAM
	Fertilizatio SYNTHETIC ORGANIC
	Fertilizatio 15000 kg/ha 15000 kg/ha
	Amount 15 kg/ha ENTEC 10 L/ha EcoZen solub 21 npk 2-2-7
	(ammonium (aminoacids), 10 sulfate with L/ha Sunfol veg
At the bottom of the window, user can click on	
"View indicators" to see the different	K Back
indicators calculated for the two cropping	
system selected.	LI 1, Murcia
	L/ha phosphoric acid, 15 kg/ha
	10L/ha nitric acid in
	fertigation
	Pesticide YES NO
	Irrigation YES YES
	Watter 2400 2500 amount
	Mean yield 87650 84347
	year Tillage
	YES YES
	NG NO NO
	View indicators

A window with a list of indicators appears.	
Near each indicator, there is a coloured dot:	K Back X
red, yellow, green. NA means "no data".	CD. malan in summer and last
The colour indicates whether the indicator has	cabbage in winter
a better(green)/ stable (yellow)/ worsen(red)	CC: melon in summer and leaf cabbage in winter
results in the diversified management crop	LT1. Murcia
respect the conventional one.	Indicators (
User can select the "cake icon" in orange	
colour near the name "indicator" to see the	Bacteria biodiversity
indicators in a graphic mode.	Bacteria diversity in soil 😑
	Earthworm biodiversity 🥚
	Soil enzyme activities NA
	Crop Gross Margin NA
	GREENHOUSE_GAS_EMISSIONS
	CO2 emissions in next 30 years 🥚
	Nitrous oxide emissions in 30 years 😑
In this window, user can see the indicators in a	
graph mode. Data related to diversified	< Back
cropping system are in green, while in orange	DC: melon in summer and leaf
is represented the conventional one that is	cabbage in winter
considered always stable. If the indicator has a	Murcia
degraphic of the performance of diversified	
management respect the conventional if the	Indicators Tool assessment
value is in the first sincle, the performance	Radial graph
improve respect the conventional	AWC C C 30w
improve respect the conventional.	Contaminants
	MicroNu
	Cu Pav
	Mgex Kex
	0 UNA
	melon in summer and leaf cabbage in winter
	BD -> Bulk density C -> Soil carbon
Selecting the red button "Main value chain for	•Il vodafone IT ♥ 11:40 13%
eco-innovation" the user can have information	
on the value chain conditions to support or	
hamper the diversification process in different	DIVERFARMING
diversified cropping systems across Europe.	
	Farm Level
	and the second s
	Main value chains
	innovation
	File list
	Landscape level
	Search Plots
	and the second

User can select a conventional cropping	1
system from the list presented.	K Back X
	Main value chains for eco- innovation
	Almond Semi-arid perennial crop system C\$1, Murcia
	Citrus Semi-arid perennial crop system CS2, Murcia
	Wheat Semi-arid monocropping system CS3a, Aragon
	Semi-arid monocropping > system CS3b, Aragon
Andformation will appear It shows	
information about the value chain of the	crop 😔 Done
cropping system selected.	DIVERFARMING S
	Main value chain typologies as supportive systems for eco- innovation in agriculture in terms of pedo-climatic regions
	trave date: 33/16/2020 Author: Suther Pancard, Sophia Weithuchet, Valentina Maleria
	🧄 DIVERFARMING
	Introduction
	In this document we present the elements to the universe tasks selected in the Diversement project. Each case has been throughly analysed in order to identify the critical value chain conditions to support or hamper the diversification process.
	Each case study is presented in a styliaed form, through a configurational analysis. We also present a graphical representation styliae styliae styl
	Case 2 - Thick description
	ů Q
The user can select the orange button	•rl vodafone IT 🗢 11:40 13% □
"Landscape level" to have information about the effect of adoption of diversified cropping	DIVERFARMING
system at territorial level.	
	Farm Level Search Plots
	Main value chains for eco- innovation File list
	Landscape level Search Plots

Selecting "Landscape level", a window appears with the selection of Country and region with drop-down menu.	It vedafore IT 11:41 13% Back X Where is the plot located?
	Select an item Region Select an item Next
After selecting the region of interest, a map with the localization of different farms in that region appears. Users have to click first on the pointer and then on the name highlighted in white (i.e. CS7 on the figure as indicated by the arrow).	ri vodatojne 11 en 13:85 A 19:00 CS7 CS7 CS00gle
A window with the diversification cropping system of the farm selected appears. Users can select between the different diversification crops using the drop-down menu.	Indietro 13:85 41% Indietro X CS7, Lombardia Seleziona una coltura introduction pea and tomato in second crop in rotation with digestate introduction pea and tomato in second crop in rotation Prossimo

For each diversified cropping system, two maps appear reporting the indicator TOC (total organic carbon). The first is referred to the current period, while the second one (next figure) refers to the scenario of "next 30 years".

The colour indicates whether the indicator has a better(green)/ stable (yellow)/ worsen(red) results in the diversified management crop respect the conventional one.

The parcels on the map correspond to the territory with the same soil and land use of the farm selected.

