



SEEDing Successful young female entrepreneurs for a green world by regenerative agriculture

WP4 - Agriculture 4.0 / Selfhood

SEEDS



Selfhood BT
Your Trainer & Advisor



Objectives:

- access to specific training offer on regenerative agriculture and health farms and smart farming;
- improved know-how on sustainable regenerative agriculture and health farms and smart farming
- knowledge exchange between EU and MENA regarding border continental/desert agriculture
- development of the learning and training materials for Youth



TASKS

T4.1 - Regenerative Organic Farming - CTNC

T4.2 - Innovations in Healthy Food and Food Production - IBA

T4.3 - Healthy Farming - Selfhood

T4.4 - SMART RES low-cost Solutions for small and medium Farms -
IBA

TASK T4.1

Regenerative Organic Farming

- Define Regenerative Farming (RF)
- Define Organic Farming (OF)
- Define Regenerative Organic Farming (ROF)
- Certifications

Developers: CTNC, SELFHOOD

Regenerative Agriculture

- is a [conservation](#) and rehabilitation approach to food and farming systems. It focuses on [topsoil regeneration](#), increasing [biodiversity](#), improving the [water cycle](#), enhancing [ecosystem services](#), and increasing [resilience to climate change](#).
- is not a specific practice itself. Rather, proponents of regenerative agriculture use a variety of [sustainable agriculture](#) techniques in combination.^[4] Practices include recycling as much farm waste as possible and adding [composted](#) material from sources outside the farm.
- on small farms and gardens is often based on philosophies like [permaculture](#), [agroecology](#), [agroforestry](#), [restoration ecology](#), [keyline design](#), and [holistic management](#). Large farms tend to be less philosophy-driven and often use "[no-till](#)" and/or "reduced till" practices.


Organic Agriculture

- an agricultural system that uses fertilizers of organic origin such as compost **manure**, **green manure**, and **bone meal** and emphasizes techniques such as **crop rotation** and **companion planting**. It originated early in the 20th century in reaction to rapidly changing farming practices. Certified organic agriculture accounts for 70 million hectares globally.
- organic standards are designed to allow the use of naturally-occurring substances while prohibiting or strictly limiting synthetic substances.
- Synthetic substances that are allowed include, for example, copper sulfate, elemental sulfur, and Ivermectin. Genetically modified organisms, nanomaterials, human sewage sludge, plant growth regulators, hormones, and antibiotic use in livestock husbandry are prohibited.
- advocates claim advantages in **sustainability**, **openness**, **self-sufficiency**, **autonomy** and **independence**, **health**, **food security**, and **food safety**.



Regenerative Organic Agriculture



 Regenerative Organic Certified

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Farm like the world depends on it.

Regenerative Organic Certified™ is a revolutionary new certification for food, textiles, and personal care ingredients. ROC™ farms and products meet the highest standards in the world for soil health, animal welfare, and farmworker fairness.

ROC™ is overseen by the 501(c)3 nonprofit Regenerative Organic Alliance.

TASK T4.2

Innovations in Healthy Food and Food Production

Innovations in Healthy Food and Food production will be built accordingly to the latest developments in this area

For example:

-
-

Developers: IBA, CTNC



TASK T4.3

Healthy Farming

- Healthy farm principles (*Productivity, Economic viability & Environmental stewardship*)
- One Health Concept
- Agriculture Advisors Systems
- Certifications

Developers: Selfhood, CTNC

TASK T4.3

Healthy Farming

- reduces the threat of drought by conserving water. reduces dependence on chemicals, saves money, and builds self-reliance.
- farming without chemicals prevents the health problems chemicals cause for farmers, farmworkers, and everyone who eats the food that is produced or drinks the local water.

SMART RES low-cost solutions for S&M Farms

Technology in the latest years advances incredibly fast.

This is the reason for including the latest SMART and IoT solutions into the agricultural process, condition sine qua non for developing the future

Agriculture 4.0

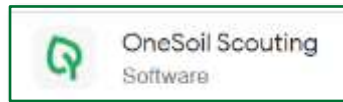
Developers: IBA, PAMEA, SELFHOOD



SMART RES low-cost solutions for S&M Farms

- Smart dripping irrigation systems
- Soil sensors (humidity, temperature, composition, etc.)
- Meteo monitoring - meteo station integrated in international networks (Weather Underground)
- Crop video surveillance (IR camera)
- Integration on International Smart Agriculture Platforms

(One Soil app)



MILESTONES & DELIVERABLES

MS10 - Technical Modules Finalised - **Month 23**

D4.1 - Open Educational Platform - **Month 23**

Modules development

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ACTIVITY

	Feb-23	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25														
	PERIODS																																					
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36		
TM.1 Kick of meeting	AT																																					
TM.2 2nd Transnational meeting						ES																																
TM.3 3rd Transnational meeting																TN																						
TM.4 4th Transnational meeting																					JD																	
TM.5 5th Transnational meeting																											MO											
TM.6 6th Transnational meeting																																					RO	
3 Social Inclusion Entrepreneurship																																						
3.1 Analyse of needs by MENA countries (Tunisia, Morocco, Jordan, Egypt)																																						
3.2 Comparative study and youth selection procedure. Fair Trade principles																																						
3.3 Training methodology for youth trainers. Entrepreneurship and Business Plan education																																						
3.4 Open Educational Platform (OEP)- trainers module																																						
3.5 Trainers Summerschool																																						
4 Agriculture 4.0																																						
4.1 Regenerative Organic Farming module development																																						
4.2 Innovations in Healthy Food and Food Production module development																																						
4.3 Healthy Farming module development																																						
4.4 SMART RES low-cost Solutions for small and medium Farms module development																																						

Adjustments after the Living Lab





THANK YOU FOR YOUR ATTENTION!

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