

# Innovazioni finalizzate alla creazione di sistemi produttivi autosufficienti: la permacultura, l'orto bio-intensivo e la food forest (Agricoltura autosufficiente)

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<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/innovazioni-finalizzate-alla-creazione-di-sistemi>

## Innovations for self-sustaining production systems: permaculture, bio-intensive vegetable garden and forest food (Agriculture selfsufficient)

### Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

Agricoltura autosufficiente

Tematica

Agricoltura biologica

Information

Time frame

2017 - 2020

Durata

36 months

Partners (no.)

5

Regione

Emilia-Romagna

Comparto

Multifiliera

Localizzazione

ITH54 - Modena

ITH58 - Forlì-Cesena

ITH59 - Rimini

Costo totale

€171.781,10

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Farming/forestry competitiveness and diversification

Farming practice

Agricultural production system

Sito web

<https://progetti.crpv.it/Home/ProjectDetail/33>

Project status

completed



### Objectives

The main objective consists in the development of new “zero impact” agricultural systems, exploiting marginal hill and mountain areas and following the principles of sustainability and permaculture technique. Self-sustaining systems will be developed, creating opportunities for rehabilitation work. In fact, the lucrative niche market of natural and organic productions may provide an opportunity for disadvantaged productive realities.

### Activities

Zero impact and self-sufficient production systems will be set up, using the principles of permaculture in a farm situated in a hilly-mountainous area. We will test innovative production systems, such as the food forest bio-intensive technique. The food forest is an orchard-vegetable garden system, simulating a forest ecosystem on multiple layers. The bio-intensive vegetable garden is achieved according to more environmentally-friendly cultivation systems, able to guarantee continuity with a remarkable harvests and of high quality productions. In particular, the bio-intensive orchard technique will be test in other production realities, in order to verify the replicability of the technique.

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## Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	CRPV Soc. Coop. Centro Ricerche Produzioni Vegetali	Via dell'Arrigoni 120 47522 Cesena FC Italy	0547313571	ortofrutticola@crpv.it
Partner	ASTRA Innovazione e Sviluppo s.r.l.	Via Tebano 45 48018 Faenza RA Italy	054647169	info@astrainnovazione.it
Partner	Cieli e terra nuova coop sociale a r.l.	Via Valverde 10/B 47923 Rimini RN Italy	0541 909701	info@apg23.org
Partner	Fattoria dell'Autosufficienza	Loc. Paganico 47021 Bagno di Romagna FC Italy	3498615774	f.rosso@autosufficienza.it
Partner	Il Palazzino Azienda Agricola di Mario Milani	Via Lama, 2500 41055 Montese MO Italy	059 980394	ilpalazzino@libero.it

## Pratiche abstract

### Description

The main expected results are:

1. Identification of low environmental impact extraction strategies applied to the byproducts of the food supply chain for the optimal production of active extracts and biomolecules for phytoiatric and food applications;
2. Production of enriched extracts and biomolecules with antifungal, antimicrobial, and repellent activities;
3. Selection of enriched extracts and biomolecules with antioxidant activity as food ingredients;
4. Characterization of the extract residues by analytical strategies for an optimal energy valorization.

Benefits will be:

1. Righteous use by the food and agricultural companies of their byproducts as a further source of income;
2. Opportunity for the phytosanitary companies to access new biopesticides and for the food companies to obtain qualified products in terms of health and nutrition. This allows to satisfy the constant requirement by the market of natural molecules in place of synthetic products coming from sustainable production chains;
3. Building and consolidation of a process model for the byproducts valorization that might be exportable in different business contexts (e.g. cosmetics);
4. Information about the optimal strategies for the energy use of residual biomasses.

## Link utili

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Titolo/Descrizione	Url	Tipologia
sito web del progetto	<a href="https://progetti.crpv.it/Home/ProjectDetail/33">https://progetti.crpv.it/Home/ProjectDetail/33</a>	Sito web
Presentazione Progetto RRN 04-12-2018 Roma	<a href="https://progetti.crpv.it/File/DownloadFile/263?name=PresentazioneProgettoRRN%20...">https://progetti.crpv.it/File/DownloadFile/263?name=PresentazioneProgettoRRN%20...</a>	Materiali utili
Applicazioni pratiche dall'agricoltura autosufficiente - FIDAF 27-11-2020	<a href="https://progetti.crpv.it/File/DownloadFile/434?name=AgricolturaAutosuffFIDAF271...">https://progetti.crpv.it/File/DownloadFile/434?name=AgricolturaAutosuffFIDAF271...</a>	Materiali utili
Orto bio-intensivo, esperimento di agricoltura autosufficiente - Ortofrutta Notizie ottobre 2020	<a href="https://progetti.crpv.it/File/DownloadFile/433?name=AgrAutosufficienteOrtofrutt...">https://progetti.crpv.it/File/DownloadFile/433?name=AgrAutosufficienteOrtofrutt...</a>	Materiali utili
Video del progetto	<a href="https://www.youtube.com/watch?v=JpXMoYLJCol">https://www.youtube.com/watch?v=JpXMoYLJCol</a>	Materiali utili
Relazione tecnica finale	<a href="https://agricoltura.regione.emilia-romagna.it/progetti-innovazione/raccolta-pro...">https://agricoltura.regione.emilia-romagna.it/progetti-innovazione/raccolta-pro...</a>	Materiali utili