

## Innovative techniques for the cultivation and propagation of hops in the Marche region, for the preparation and conservation of the beer chain for food and nutraceutical use

### Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

#Highops

Tematica

Biodiversità

Information

Time frame

2019 - 2022

Durata

36 months

Partners (no.)

3

Regione

Marche

Comparto

Colture industriali

Localizzazione

ITI31 - Pesaro e Urbino

ITI32 - Ancona

Costo totale

€298.874,85

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP008: Italy - Rural Development

Programme (Regional) - Marche

Parole chiave

Biodiversity and nature management

Food quality / processing and nutrition

Genetic resources

Sito web

<http://www.highops.eu>

Project status

completed



### Objectives

The general objective is to create an important and new opportunity for the agricultural context of the Marche Region by developing the following activities:

a) protection and increase of biodiversity, sustainable management of water resource, identification of the most suitable hops cultivars; b) development of sustainable and low-impact cultivation techniques; c) qualitative analysis of the sprouts intended for fresh market and on flowers for brewing; d) development of innovative solutions for the conservation and packaging of sprouts and flowers; e) disclosure of information.

### Activities

- Realization of varietal evaluation implants with hop cultivars available on the market
- Pheno-morphological, productive and qualitative evaluation of the different considered genotypes
- Development of propagation and certification techniques of the best cultivars;
- Adoption of low impact cultivation techniques
- Testing of breeding systems and facilitating machines
- Analytical control of technological quality and nutritional quality
- Realization of a small implant for natural drying
- Study and application of new packaging technologies

# Adozione di tecniche innovative per la coltivazione e propagazione del luppolo nelle Marche per la preparazione e conservazione nella filiera birra e per l'utilizzo alimentare e nutraceutico

2/3

<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/adozione-di-tecniche-innovative-la-coltivazione-e>

## Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Azienda Agricola Sofia Paccapelo	Via Cella Monteluro 61010 Tavullia PU Italy	331 4824994	sofia.paccapelo@gmail.com
Partner	Azienda Agricola Dott.ssa Elena Spinsanti	Via Molino Guarnieri, 10 60027 Osimo AN Italy	071 7131036	e.spinsanti@alice.it
Partner	Università politecnica delle Marche - Dipartimento di scienze agrarie alimentari ed ambientali	Via Breccie Bianche 2-8 60131 Ancona AN Italy	071 2204935	dip.d3a@univpm.it

## Pratiche abstract

### Description

"The project is already extremely innovative for the Marche area because the ""ordinary"" cultivation of hops does not currently exist. During the implementation of the food supply chain, innovative solutions will be introduced such as: selection and identification of the most suitable cultivars, development of propagation techniques for the production of certified plants; development of low impact cultivation techniques.

To contain costs on harvesting and flower separation for brewing, a prototype machine will be made suitable for small plants (max 1 hectare). The machinery will be realized on a single project and it will be tested in the experimental fields. For the cultivation phase of the hops dedicated to food-grade buds, new plant systems will be tested to research and optimize innovative breeding and harvesting methods, as well as innovative packaging and preservation techniques."

## Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	<a href="http://www.highops.eu">http://www.highops.eu</a>	Sito web
Pagina Facebook del progetto	<a href="https://www.facebook.com/hopsmarche/">https://www.facebook.com/hopsmarche/</a>	Link ad altri siti che ospitano informazioni del progetto
Video Risultati prima annualità	<a href="https://www.youtube.com/watch?v=VRdWFm-at1c&amp;t=5s">https://www.youtube.com/watch?v=VRdWFm-at1c&amp;t=5s</a>	Materiali utili

# Adozione di tecniche innovative per la coltivazione e propagazione del luppolo nelle Marche per la preparazione e conservazione nella filiera birra e per l'utilizzo alimentare e nutraceutico

3/3

<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/adozione-di-tecniche-innovative-la-coltivazione-e>

<b>Titolo/Descrizione</b>	<b>Url</b>	<b>Tipologia</b>
Canale youtube del progetto	<a href="https://www.youtube.com/results?search_query=%23luppolomarche">https://www.youtube.com/results?search_query=%23luppolomarche</a>	Materiali utili
Video conclusivo del Progetto	<a href="https://www.youtube.com/watch?v=7Jlw-at6_WE">https://www.youtube.com/watch?v=7Jlw-at6_WE</a>	Materiali utili
Documentazione evento finale	<a href="https://www.highops.eu/eventi.html">https://www.highops.eu/eventi.html</a>	Materiali utili
Pagina Facebook del progetto	<a href="https://www.facebook.com/hopsmarche">https://www.facebook.com/hopsmarche</a>	Link ad altri siti che ospitano informazioni del progetto