

Integrated and automated systems for indoor farming

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

SIMPLE

Tematica

Agricoltura di precisione

Information

Time frame

2020 - 2023

Durata

36 months

Partners (no.)

10

Regione

Puglia

Comparto

Multifiliera

Localizzazione

ITF45 - Lecce

Costo totale

€500.000,00

Fonte di finanziamento principale

Programma di sviluppo rurale

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2014IT06RDRP020: Italy - Rural Development

Programme (Regional) - Puglia

Parole chiave

Farming equipment and machinery

Plant production and horticulture

Agricultural production system

Sito web

<https://www.progettosimple.it/>

Project status

ongoing



Objectives

The SIMPLE project aims to create a tool that allows to:

- Monitor production environment and products;
- Ensure greater production yield;
- Increase the environmental sustainability;
- Ensure the quality of products;
- Avoid the use of harmful substances;
- Streamline resources and reduce costs.

Activities

1) Definition of a methodology to support the expected technological innovations.

2) Design and implementation of an indoor facility for assisted production and harvesting in agriculture.

3) Preparation of a sensor system operating according to the logic of the IoT for the collection of data useful for the management of crops and maintenance of the structure.

4) Preparation of an environmental monitoring system and a modeling system to assess climate change in the short and long term.

5) Design and development of a software for the management of the collected data to support decisions related to production activities and to monitoring crops.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Fondazione Centro Euro-Mediterraneo sui Cambiamenti climatici	Via Augusto imperatore, 16 73100 Lecce LE Italy	0832 288 650	antonio.bombelli@cmcc.it
Partner	Azienda Agricola Masseria Bianca	Via Comunale Padulana 73022 Corigliano d'Otranto LE Italy		masseria.bianca@live.it
Partner	Federazione Provinciale Coldiretti Lecce	Via Bari, 17 73100 Lecce LE Italy		lecce@coldiretti.it
Partner	JouleHub Mediterranean Srls	Via Diego Peluso 40 74121 Taranto TA Italy		info@joulehub.com
Partner	New Generation Aquaponics s.r.l.	Via San Pietro in Lama n. 70 73010 Lequile LE Italy		info@ngaqua.com
Partner	O.P. Società Agricola Cooperativa San Rocco	Via Ancona, snc 73046 Leverano LE Italy		coop.sanrocco@libero.it
Partner	Smart Education Lab s.r.l.	Via Monteroni Pal. Dhitech S.C. Campus Ecotekne 73100 Lecce LE Italy		info@smarteducationlab.it
Partner	Soc. Coop. HYDRA	V.le Ugo Foscolo 73100 Lecce LE Italy		hydracoop@hydracoop.it

Role	Azienda	Address	Telephone	E-mail
Partner	Università degli Studi di Bari "Aldo Moro" - Dipartimento di Informatica	Piazza Umberto I 70121 Bari BA Italy		rettore@uniba.it
Partner	Università del Salento - Dipartimento di Ingegneria dell'Innovazione	Via per Monteroni 73100 LECCE LE Italy	0832 291111	protocollo.ingegneria@unisalento.it

Pratiche abstract

Link utili

Titolo/Descrizione	Url	Tipologia
Sito web del progetto	https://www.progettosimple.it	Sito web