

Total Recovery Oilseed Supply Chain

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

FORTE

Tematica

Gestione aziendale

Information

Time frame

2018 - 2020

Durata

34 months

Partners (no.)

18

Regione

Umbria

Comparto

Colture oleaginose

Localizzazione

ITI21 - Perugia

ITI22 - Terni

Costo totale

€611.478,44

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP012: Italy - Rural Development

Programme (Regional) - Umbria

Parole chiave

Farming/forestry competitiveness and diversification

Farming practice

Agricultural production system

Sito web

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

Project status

completed



Objectives

The objectives of the project are to develop new agro-industrial chains (oilseed) oriented to the production of seed and biomass through sustainable cultivation methods and with recovery of land with negative economic marginality, enhancement of local plant biodiversity, extraction of vegetable oils obtained from crops industrial oil crops, recovery and valorisation of the remaining lignocellulosic biomasses from the thistle and safflower harvesting process for the production of biomolecules of considerable industrial interest, recovery and valorisation of the residual protein by-products from the extraction processes of the oils for zootechnical feeding

Activities

Activity 1: Definition of work protocols and inventories; Activity 2: Development of the most suitable cultivation and innovative agronomic techniques analysis; Activity 3: Extraction, storage and transformation of biomass; Activity 4: verification of the functionality of the processes described in activity 3 and possible correction; Activity 5: Evaluation of economic sustainability by calculating the crop cost; Activity 6: Technology transfer of innovation

Context

The project is part of the themes of the Focus Area 6A: encouraging diversification, the creation and development of small businesses as well as employment through innovation projects that, among others, address the following issues: renewable energy and valorisation of the effluents and by-products of agriculture: the bio-economy and the green chemistry The bio-economy as well as the green chemistry has as its objective the promotion of a system economy that uses renewable raw materials with low environmental impact together with synergistic use of supply chains and

agricultural by-products.

Within this framework, the FORTe project intends to apply the principles and approaches of the bioeconomy to the Umbrian agricultural territory, in particular by optimizing the implementation of oil production chains for industrial use. The products of the crops will be used in a "cascading" logic, that is to say the valorisation of both raw materials and co-products. For the latter, the different methods of use will be demonstrated (eg feed production, innovative biomolecules) in order to increase the fallout and the global added value of the supply chain.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Consorzio Agrario dell'Umbria	Via dei Loggi 52 06135 Ponte San Giovanni PG Italy	07559751	info@consorzioagrarioperugia.it
Partner	Università degli Studi di Perugia - Dipartimento di Scienze Agrarie, Alimentari e Ambientali	Via Borgo XX Giugno 74 06121 Perugia PG Italy	0755851	dipartimento.dsa3@cert.unipg.it
Partner	Università degli Studi di Perugia - Dipartimento di Medicina Veterinaria	Via S. Costanzo 4 06126 Perugia PG Italy	0755857735	dipartimento.medvet@unipg.it
Partner	Centro di eccellenza sui materiali Innovativi nanostrutturati (CEMIN)	Piazza Università,1 - c/o Dipartimento di Chimica 06123 Perugia PG Italy	0755851	cemin@cert.unipg.it
Partner	Centro interuniversitario di ricerca sull'inquinamento e sull'ambiente Mauro Felli (CIRIAF)	Via Goffredo Duranti 67 06125 Perugia PG Italy	0755853717	centro.ciriaf@unipg.it
Partner	Novamont spa	Via G. Fauser 8 28100 Novara NO Italy	0321 699611	

Role	Azienda	Address	Telephone	E-mail
Partner	CESAR - Centro per lo Sviluppo Agricolo e Rurale	Via Metastasio, 22 06081 Assisi PG Italy	3476027270	cesar@cesarweb.com
Partner	Azienda Agriturbistica Montemenardo di Austeri Gabriele	Vocabolo Montemenardo 06059 Todi PG Italy	0758942124	info@montemenardo.it
Partner	Fattoria Manni di Massimo Manni	via campagna 25C 05100 Acquasparta TR Italy		info@fattoriamanni.it
Partner	Società semplice Agricola Silveri di Silveri Franco e fratelli	Strada dei Colli 05035 San Faustino TR Italy	3476248973	renzo.silveri@alice.it
Partner	Azienda Agricola Rubini Fausto	Strada di Morellino 05035 Narni Scalo TR Italy	336770211	fausto.rubini@virgilio.it
Partner	Tiziana Berretta	Strada della Civitella 05100 Terni TR Italy	3281768922	tizianaberr@libero.it
Partner	Fondazione per l'Istruzione Agraria in Perugia	Borgo XX Giugno 74 06121 Perugia PG Italy	07533753	info@fiapg.it
Partner	Mignini & Petrini spa	Viale dei Pini,5 06081 Petrignano di Assisi PG Italy	07580341	info@mignini-petrini.it
Partner	Confindustria Umbria e servizi	Via Palermo 80A 06129 Perugia PG Italy	075582741	info@confindustria.umbria.it

Role	Azienda	Address	Telephone	E-mail
Partner	Condifesa Umbria	Via Martiri dei Lager,92 06128 Perugia PG Italy	0753000761	condifesa.umbria@asnacodi.it
Partner	Impresa Verde Umbria s.r.l.	Via Settevalli 131/F 06130 Perugia PG Italy	075506762	perugia@coldiretti.it
Partner	FederForeste - Federazione Italiana delle Comunità Forestali	Via XXIV maggio,43 00187 Roma RM Italy	06 4682395	segreteria@federforeste.it

Pratiche abstract

Description

The project proposes a model of development based on innovation and integration between the agricultural supply chains (development of oil crops) and green chemistry, with a view to bioeconomy. The aim of increasing competitiveness and sustainability in the agricultural, zootechnical and forestry sectors is achieved by returning a positive economic value to the farmers who will be within the supply chain, minimizing the process waste and valuing primary products and by-products.

The innovation of the project lies in the technological transfer on a regional scale of what has already emerged from the specific projects of the Green Chemistry Cluster (in particular the BIT3G) and aims to propose an "extensible example on the regional territory" and replicable on a large scale (national in first place).

Within the scope of this project, we intend to strengthen innovation through agricultural cultivation and related transformation processes with low environmental impact from the perspective of Life Cycle Impact Assessment, to integrate and change the various agricultural and green chemistry sectors.

Link utili

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