

Cereals Diversity for adaptation to climate change

Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

CEREALI RESILIENTI 2.0

Tematica

Agricoltura biologica

Information

Time frame

2019 - 2021

Durata

32 months

Partners (no.)

8

Regione

Toscana

Comparto

Cerealicoltura

Localizzazione

ITI16 - Livorno

ITI17 - Pisa

ITI19 - Siena

Costo totale

€336.450,00

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP010: Italy - Rural Development

Programme (Regional) - Toscana

Parole chiave

Climate and climate change

Farming practice

Genetic resources

Sito web

<https://rsr.bio/cereali-resilienti-2-0-seconda-fase/>

Project status

completed



Objectives

The general objective is to adapt and to spread the population SOLIBAM Soft FLORIDDIA in the context individualized for facilitating the adaptation to the climatic changes of the cereal growing in the organic-farming and low input systems in Tuscany.

Protagonists will be the local networks of farmers that will contribute to the reproduction of seed, managing the correct evolution of it in the time, and to their diffusion, with the technical and scientific support of the partners of the project.

The changes promoted by the PS will have different impacts, from the business level to the consumption of the final products, interesting farmers and the whole organic wheat compartment.

Activities

- Evaluation of the local adaptation and multiplication of the CCP in the 4 macro-areas thanks to the net of mother farms and daughters;
- production of seed of quality in every macro-area to be distributed to the local farmers so that to invest at least 20 has for areale;
- publication of guide-lines for the evolutionary maintenance of the CCPs;
- preparation of a monitoring system that follows the evolution of the CCPs in the 4 areal to furnish a technical support to the farmers and an informative support to interested subjects to try the products ended realized;
- realization of an APP for the harvest of the data from the farmers that participate in the testing of the innovation.

Context

Some European project of research have studied the evolutionary populations (Composite Cross Population/CCP) in the organic-farming systems or low-input, to answer to the climatic changes and to make more resilient and sustainable the systems themselves: SOLIBAM

(www.solibam.eu), Cobra (www.coreorganic2.org/Cobra), DIVERSIFOOD (www.diversifood.eu). These projects have underlined that the CCPs allow to produce genetic pool able to suit in time for the climatic changes because they absorb very well the climatic differences between one year and the other, compared to the modern uniform varieties. Nowadays many European countries are working on the CCPs in their single contexts (France, United Kingdom, Germany, Denmark) Wheat's CCP SOLIBAM soft FLORIDDIA constitutes the nucleus of the innovation to test the evaluation of his adaptation in 4 climatic macro-areas (lowland, hill, mountain and coast) in experimental fields devoted (1 farmmother and 5 farm-daughters for every macro area) so that to have seed suited for local level by to distribute to a net of interested farmers, sensitized by opportune actions of demonstration This innovation will allow to bring difference in the organic grain sector or low input, going to resolve the problem of the absence of proper variety for these cultivation systems and making more resilient to the climatic changes the whole Tuscan cereal production. The innovation will be managed by the farmers and diffused with a license open source to guarantee the amplest access from other users.

Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Rete Semi Rurali	Via di Casignano 25 50018 Scandicci FI Italy	348 1904609	info@semirurali.net
Partner	Molino Angeli di Angeli Alberto	Via Crociale 121 55045 Pietrasanta LU Italy	0584 742805	
Partner	Università degli Studi di Firenze - Dipartimento di Scienze e Tecnologie Agrarie, Alimentari, Ambientali e Forestali (DAGRI)	Piazzale delle Cascine, 18 50144 Firenze FI Italy	055 2755700	direttore@dagri.unifi.it
Partner	Società Agricola Progetto Sterpaia	Via XX Settembre 8 57025 Piombino LI Italy	339 8018138	adribrus45@alice.it
Partner	FIRAB - Fondazione Italiana per la Ricerca in Agricoltura Biologica e Biodinamica	Via Pio Molajoni 76 00159 Roma RM Italy	06 43 93970	firab@firab.it

Role	Azienda	Address	Telephone	E-mail
Partner	Azienda Agricola Floriddia Rosario	Via della Bonifica 171 56030 Peccioli PI Italy	0587 697184	info@ilmulinoapietra.it
Partner	Azienda Agricola Sara Passerini	Via Del Porto 65 53049 Torrita di Siena SI Italy	340 4161112	info@aziendapasserini.i
Partner	Università di Pisa - Dipartimento di Scienze Agrarie, Alimentari e Agroambientali	Via del Borghetto 80 56124 Pisa PI Italy	050 2216090	disaaa@agr.unipi.it

Pratiche abstract

Link utili

Titolo/Descrizione	Url	Tipologia
Sito del progetto	https://rsr.bio/cereali-resilienti-2-0-seconda-fase/	Sito web
Partner web page	https://www.dagri.unifi.it/p719.html	Link ad altri siti che ospitano informazioni del progetto
Partner web page	https://www.firab.it/cereali-resilienti-2-0/	Link ad altri siti che ospitano informazioni del progetto
Video del progetto	https://youtu.be/cjhGFeDa2vg	Link ad altri siti che ospitano informazioni del progetto
Evento finale del progetto	https://rsr.bio/eventi/convegno-finale-cereali-resilienti-2-0/	Materiali utili