

## Adaptation of variety mixtures and evolutionary populations of common wheat for organic farming in the Emilia-Romagna region

### Riferimenti

Tipo di progetto

Gruppo Operativo

Acronimo

BIOADAPT

Tematica

Agricoltura biologica

Information

Time frame

2016 - 2019

Durata

36 months

Partners (no.)

6

Regione

Emilia-Romagna

Comparto

Cerealicoltura

Localizzazione

ITH53 - Reggio nell'Emilia

ITH54 - Modena

ITH55 - Bologna

Costo totale

€398.241,89

Fonte di finanziamento principale

Programma di sviluppo rurale

Programma di sviluppo rurale

2014IT06RDRP003: Italy - Rural Development

Programme (Regional) - Emilia Romagna

Parole chiave

Biodiversity and nature management

Farming practice

Food quality / processing and nutrition

Agricultural production system

Sito web

<http://www.bioadapt.eu>

Project status

completed



### Objectives

The regional cereal sector suffers from the lack of seed companies that make specific varietal selection for organic farms. BIOADAPT develops a program to recovery regional organic cereal production of old varieties of common wheat: these genotypes are the starting material that will be used in the production of multi-line varieties with improved nutritional and health-promoting characteristics, specifically suited to organic farming.

### Activities

The three-year project is divided into the following main activities: i) evaluation, selection and reproduction in open field of mixtures of old common wheat varieties; ii) evaluation of nutritional and health-promoting characteristics (antioxidant activity and inflammatory profiles) of the derived flours and products (bread); iii) institutional relationships in order to include BIOADAPT mixtures and varieties in MIPAAF catalogues for their regularization at European level.

# Adattamento di miscugli varietali e popolazioni evolutive di frumento tenero per il settore delle produzioni biologiche emiliano-romagnole

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<https://www.innovarurale.it/pei-agri/gruppi-operativi/bancadati-go-pei/adattamento-di-miscugli-varietali-e-popolazioni>

## Partenariato

Role	Azienda	Address	Telephone	E-mail
Leader	Dipartimento di Scienze e Tecnologie Agro-Alimentari - DISTAL   Università di Bologna	Viale Fanin 44 40127 Bologna BO Italy	051 2096240	distal.amm.dipartimento.respammgest@unibo.it
Partner	ARVAIA Società Cooperativa Agricola	Via del Carroccio 12 40132 Bologna BO Italy	3357214331	info@arvaia.it
Partner	La Collina Società Cooperativa Agricola	Via C. Teggi 38/42 42123 Codemendo RE Italy	0522 306478	a.ferretti@cooplacollina.it
Partner	Azienda Agricola Cenacchi Andrea	Via Bonaccorsi 17 40050 Argelato BO Italy	335431455	kutler@libero.it
Partner	DINAMICA s.c.a r.l.	Via Bigari 3 40128 Bologna BO Italy	051 360747	info@dinamica-fp.it
Partner	Azienda Agricola Ca dei Fiori	Via Casa Florio 74 40040 Querciola BO Italy	0534 56073	info@cadeifiori.it

## Pratiche abstract

### Description

The main expected results consists of several products:

- Guidelines and handbooks: i) Guidelines for the cultivation of not-dwarf common wheat varieties under organic farming: agro-technical aspects (from sowing to harvest) and recommendations for proper postharvest activities (material storage)

will be specified ii) participatory breeding handbook,

iii) Guidelines for the transformation of flours from not-dwarf common wheat varieties in health-promoting bread: the different steps (from the milling of grins to the baking of bread) for obtaining bread with optimal nutritional and health-promoting features will be specified. The use of the guidelines and the handbook is not limited to the purposes of this project, but it must be understood as a hands-on tool to spread the acquired knowledge. - Variety / improved mixtures of not-dwarf common wheat for organic farming, obtained through participatory-evolutionary selection. The exploitation plan provides that the seeds are made available to organic farmers who request them. - Health-promoting bread. Complementing the project objective, in view of the activation and dissemination of the proposed short supply chain, bread-making courses will be organized for citizens to make a health-promoting bread. The bread will be made available for tastings in various occasions of public gathering, in order to spread the initiative at the regional level.

Link utili

Titolo/Descrizione	Url	Tipologia
BIOADAPT	<a href="http://www.bioadapt.eu">http://www.bioadapt.eu</a>	Sito web
Video - Il breeding partecipativo	<a href="http://www.bioadapt.eu/video/Bioadapt-Evoluzione-del-biologico.mp4">http://www.bioadapt.eu/video/Bioadapt-Evoluzione-del-biologico.mp4</a>	Materiali utili
Video - Il progetto BIOADAPT e i suoi protagonisti (1)	<a href="http://www.bioadapt.eu/video/Ca-de-Fiori.mp4">http://www.bioadapt.eu/video/Ca-de-Fiori.mp4</a>	Materiali utili
Video - Il progetto BIOADAPT e i suoi protagonisti (1)	<a href="http://www.bioadapt.eu/video/Podere-Santa-Croce.mp4">http://www.bioadapt.eu/video/Podere-Santa-Croce.mp4</a>	Materiali utili