

Centre name :

Research centre for vegetable crops /Centro di ricerca per l'orticoltura

City : Pontecagnano (SA)

Country: Italy

Name of the contact person: Teodoro Cardi

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The research programmes of your centre

Species : Fruit vegetables (pepper et al.)

Person of contact for this programme : Pasquale Tripodi

Email : pasquale.tripodi@entecra.it

Vegetal material	Technical itinerary	Integrated protection	Agrobiology	Other subjects
<ul style="list-style-type: none"> • Local germplasm resources: conservation, evaluation (broad phenotyping), genotyping and their use in breeding programs • Breeding for traits of interests in agriculture (biotic and abiotic stress yield, quality) from wild, non-adapted germplasm into elite germplasm • Breeding for sustainable agriculture • Development mapping population and association mapping 				

<p>approaches for traits discovery</p> <ul style="list-style-type: none"> • Sistem biology approaches toward to understand abiotic stresses in pepper • Genomics and next generation sequencing approaches for genotyping genetic resources and study of genes for quality 				
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Species : Leafy vegetables (rocket et al.)

Person of contact for this programme : Pasquale Tripodi

Email : pasquale.tripodi@entercra.it

Vegetal material	Technical itinerary	Integrated protection	Agrobiolology	Other subjects
<ul style="list-style-type: none"> • Assessment of leafy vegetable collections for nutraceutical properties • Development of new improved varieties (resistances, shelf-life, bolting time, nitrogen leaf content) 				

Species : tomato, pepper, lettuce, rocket, kholrabi

Person of contact for this programme : Massimo Zaccardelli

Email : massimo.zaccardelli@entecra.it

Vegetal material	Technical itinerary	Integrated protection	Agrobiolology	Other subjects
Commercial and local varieties	On farm production of compost from vegetable residues and production of compost-tea	Use of compost and compost-tea for biostimulation and protection of horticulture crops	Microbiological analyses of compost and compost-tea and evaluation of soil microbial activities after compost or compost-tea treatments	Evaluation of crop yield and quality. Trascriptome analyses in tomato plants treated with compost-tea

Species : tomato, bean, lettuce, rocket

Person of contact for this programme : Massimo Zaccardelli

Email : massimo.zaccardelli@entecra.it

Vegetal material	Technical itinerary	Integrated protection	Agrobiology	Other subjects
Commercial and local varieties	Selection and characterization of PGPR/antagonistic/phosphate solubilizing bacteria to promote growth and protection of the plants	Use of antagonistic bacteria alone or in combination with natural compounds such as essential oils, glucosinolates and poliphenols		Evaluation of crop yield and quality. Trascriptome analyses in tomato plants treated with PGPR. Sequencing of bacterial genome

Species : grain legumes (bean, chickpea, lentil, grasspea)

Person of contact for this programme : Massimo Zaccardelli

Email : massimo.zaccardelli@entecra.it

Vegetal material	Technical itinerary	Integrated protection	Agrobiology	Other subjects
Commercial and local varieties	To improve grain production by selection and inoculation of most efficient nitrogen-fixing rhizobium strains	Evaluation of local plant materials for disease susceptibility	Improve grain legumes cultivation by improving nitrogen-fixing efficiency	Agronomical characterization and chemical characterization of the grain

Species : Tomato and other fruit vegetables

Person of contact for this programme : Accursio Venezia

Email : accursio.venezia@entecra.it

Vegetal material	Technical itinerary	Integrated protection	Agrobiology	Other subjects
	Gutter subirrigation on tomato crop to work in closed system in a simple way compared to drip irrigation (no disinfection and no amendment of the recirculated nutrient solution) and other soilless cultivation to study plant nutrition, salinity stress and fruit quality	New greenhouse structure designed to allow a constant natural ventilation and stable installation of anti insect net is under study to develop an environmental sound way to protect vegetables		

Current partnership with other research centres (national or international)

Species : Pepper

Nature of the project:

Genetics, genomics and phenomics of germoplasm collections in Solanaceous crops

Length of the project:

5 years

Partner names and countries :

Universidad Politécnica de Valencia(Spain), Università degli Studi di Torino (Italy), Dipartimento di Agraria, Università di Napoli (Italy), Institut National de la Recherche Agronomique (France), The Agricultural Research Organisation of Israel – The Volcani Centre (Israel)

Species : different vegetable crops

Nature of the project:

Technologies to stabilize soil organic carbon and farm productivity, promote waste value and climate change mitigation (CarbOnFarm – Life 12 ENV/IT/719), <http://www.carbonfarm.eu/>

Length of the project:

5 years

Partner names and countries :

CERMANU-University of Naples; Department of Agriculture-University of Basilicata; Department of Agriculture-University of Turin; Campania Region; Basilicata Region; Terra Orti Soc. Coop. Agr. All Partners come from Italy.

Species : Tomato

Nature of the project:

Sustainable Tomato Production: plant defense enhancement, development of new biopesticides and optimization of environmental, water and chemical inputs (STomp)

Length of the project:

3 years

Partner names and countries :

Dipartimento di Agricoltura, Alimentazione e Ambiente, University of Catania (Italy), University of Sfax, Faculty of Sciences (Tunisia), Dipartimento di Agraria, University of Reggio Calabria (Italy), Italian Agricultural Research Council (Italy), Institute of Chemistry of Nice (UMR CNRS 7272), University of Nice (France), Institute Sophia Agrobiotech - UMR INRA 1355 CNRS 7254 UNS (France), Dipartimento di Agraria, University of Napoli "Federico II" (Italy), Institut Agronomique et Vétérinaire Hassan II - Complexe Horticole d'Agadir (Morocco), Hellenic Agricultural Organisation – Demeter (Greece)

Species : Tomato

Nature of the project:

High-Convenience Fruits And Vegetables: New Technologies For Quality And New Products (OFRALSER)

Length of the project:

3 years

Partner names and countries :

Università degli Studi di Foggia (Italy), CNR (Italy), Elettra Sistemi (Italy)

Species : Tomato, pepper, lettuce

Nature of the project:

Research advanced material for Agro-Food (MAREA)

Length of the project:

3 years

Partner names and countries :

Università degli Studi di Napoli (Italy), CNR (Italy)

Species : Tomato

Nature of the project:

Implement a public-private laboratory to develop R&S activities in agro-industrial field (M2Q)

Length of the project:

3 years

Partner names and countries :

Università degli Studi di Napoli (Italy)

Are you searching for more European partnerships with other research centres?

On what species : Rocket salad

What kind of projects are you searching for:

Projects aimed to develop improved varieties for traits particularly requested by growers and industry such as late flowering, resistances to pathogens, shelf life

What kind of partners are you searching for? From which countries?

Research institutes and University in UK (Warwick University), Germany (Max Planck), Netherlands (Wageningen University)

On what species : tomato, pepper, grain legumes, rocket, lettuce etc.

What kind of projects are you searching for:

Low impact cultivation (use of compost and compost-tea, use of beneficial microorganisms such as PGPR, antagonistic bacteria, phosphate solubilizing bacteria, most efficient rhizobia), molecular plant-microbe interaction

What kind of partners are you searching for? From which countries?

Different Countries

On what species : Tomato and other fruit vegetables

What kind of projects are you searching for:

Greenhouse and soilless cultivation in Mediterranean climate

What kind of partners are you searching for? From which countries?

Vegetables research institutes from Mediterranean countries (Spain , France, Greece, ecc.)