A NOVEL AND INTEGRATED APPROACH TO INCREASE MULTIPLE AND COMBINED STRESS TOLERANCE IN PLANTS USING TOMATO AS A MODEL

Fact Sheet

Project Information

**TomRes**

Grant agreement ID: 727929

[DOI]

**Funded under**

SOCIAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

**Total cost**

€ 5 996 175,00

**EU contribution**

€ 5 996 175,00

**Coordinated by**

UNIVERSITÀ DEGLI STUDI DI TORINO

[Italy]

**Start date**

1 June 2017

**End date**

31 May 2021

This project is featured in...
Project description

Helping tomatoes overcome combined stress

Tomato crops are one of the most extensively cultivated agricultural commodities in Europe. They are grown in many countries, both in open fields and protected enclosures. However, the cultivation of tomatoes is threatened by water and nutrient stress. The EU-funded TomRes project aims to provide a much-needed solution through extensive research and development efforts. The project will begin by carefully selecting a variety of accessions that exhibit tolerance to stress while maintaining high quality and yield. This process involves identifying desirable traits that contribute to stress tolerance. The project will also conduct rigorous testing and optimisation of farming strategies. The ultimate goal of TomRes is to provide farmers and specialists with valuable data and results.

Fields of science

agricultural sciences > agriculture, forestry, and fisheries > agriculture > sustainable agriculture

engineering and technology > civil engineering > water engineering > irrigation

agricultural sciences > agriculture, forestry, and fisheries > agriculture > horticulture > fruit growing
Programme(s)

H2020-EU.3.2. - SOCIETAL CHALLENGES - Food security, sustainable agriculture and forestry, marine, maritime and inland water research, and the bioeconomy

H2020-EU.3.2.1.1. - Increasing production efficiency and coping with climate change, while ensuring sustainability and resilience

Topic(s)

SFS-01-2016 - Solutions to multiple and combined stresses in crop production

Call for proposal

H2020-SFS-2016-2017

See other projects for this call

Sub call

H2020-SFS-2016-2

Funding Scheme

RIA - Research and Innovation action

Coordinator

UNIVERSITÀ DEGLI STUDI DI TORINO

Net EU contribution

€ 854 145,00

Address
Via giuseppe verdi 8
10124 Torino
Italy
Region
Nord-Ovest > Piemonte > Torino
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

Participants (25)

GEOPONIKO PANEPISTIMION ATHINON
Greece
Net EU contribution
€ 369 352,50
Address
Iera odos 75
11855 Athina
Region
Αττική > Αττική > Κεντρικός Τομέας Αθηνών
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00
AGROILLA SAT
Spain
Net EU contribution
€ 101 562,50
Address
Cardenal rossell s/n mercapalma
07007 Palma de mallorca
Region
Este > Illes Balears > Mallorca
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

CASELLA MACCHINE AGRICOLE SRL
Italy
Net EU contribution
€ 242 500,00
Address
Localita ca vezzeno 1/a 1/b
29013 Carpaneto piacentino pc
SME
Yes
Region
Nord-Est > Emilia-Romagna > Piacenza
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
CONFEDERAZIONE GENERALE DELL AGRICOLTURA ITALIANA

Italy

Net EU contribution
€ 120 050,00

Address
Corso vittorio emanuele ii 101
00186 Roma

Region
Centro (IT) > Lazio > Roma

Activity type
Other

Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

EDYPRO FERTILIZANTES SL

Spain

Net EU contribution
€ 177 986,25

Address
Calle mayor 17
46134 Foios

Region
Este > Comunitat Valenciana > Valencia/València

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links
EUROPESE ORGANISATIE VOOR WETENSCHAPPELIJK PLANTENONDERZOEK E.P.S.O. IVZW
Belgium
Net EU contribution
€ 131 937,50
Address
Rue de l'industrie 4
1000 Bruxelles / brussel
Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest
Activity type
Other
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

GAIA EPICHEIREIN ANONYMI ETAIREIA PSIFIAKON YPIRESION
Greece
Net EU contribution
€ 141 661,25
Address
42 polidefkous
185 45 Piraeus
Region
Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

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GAUTIER SEMENCES SAS

France

Net EU contribution

€ 190 135,00

Address

Route d’avignon
13630 Eyragues

SME

Yes

Region

Provence-Alpes-Côte d’Azur > Provence-Alpes-Côte d’Azur > Bouches-du-Rhône

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

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INSTITUT JOZEF STEFAN

Slovenia

Net EU contribution

€ 306 250,00
INSTITUT NATIONAL DE RECHERCHE POUR L'AGRICULTURE, L'ALIMENTATION ET L'ENVIRONNEMENT

France

Net EU contribution

€ 355 380,00

Address
147 rue de l'universite
75007 Paris

Region
Île-de-France > Île-de-France > Paris

Activity type
Research Organisations

Links
Contact the organisation [open]
Website [open]
Participation in EU R&I programmes [open]
HORIZON collaboration network

Other funding

€ 0,00

NEURATHER GARTNER GBR
Germany
Net EU contribution
€ 84 375,00
Address
Blesducker weg 6
41517 Neurath
Region
Nordrhein-Westfalen > Düsseldorf > Rhein-Kreis Neuss
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

NOVARECKON SRL
Italy
Net EU contribution
€ 153 750,00
Address
Corso trieste 15/a
28100 Novara
SME
Yes
Region
Nord-Ovest > Piemonte > Novara
Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)
Links
Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network
TAMBURRINO RAFFAELE

Italy

Net EU contribution
€ 82 187,50

Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

INSTITUTUL DE CERCETARE-DEZVOLTARE PT INDUSTRIALIZAREA SI MARKETINGUL PRODUSELOR HORTICOLE HORTING

Romania

Net EU contribution
€ 90 137,50

Address
Binelui 1a
042159 București

Region
Macroregiunea Trei > București-Ilfov > București

Activity type
Public bodies (excluding Research Organisations and Secondary or Higher Education Establishments)

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

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RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITAT BONN
Germany
Net EU contribution
€ 355 285,00
Address
Regina pacis weg 3
53113 Bonn
Region
Nordrhein-Westfalen > Köln > Bonn, Kreisfreie Stadt
Activity type
Higher or Secondary Education Establishments
Links
Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

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STC RESEARCH FOUNDATION
United Kingdom
Net EU contribution
€ 139 508,75
Address
Stockbridge house, cawood
YO8 3TZ Selby
SME
Yes
Region
Yorkshire and the Humber > North Yorkshire > North Yorkshire CC
STRIGOLAB SRL

Italy

Net EU contribution

€ 183 750,00

Address

Via pietro giuria 7
10125 Torino

SME

Yes

Region

Nord-Ovest > Piemonte > Torino

Activity type

Private for-profit entities (excluding Higher or Secondary Education Establishments)

Links

Contact the organisation
Participation in EU R&I programmes
HORIZON collaboration network

Other funding

€ 0,00

---

TECHNION - ISRAEL INSTITUTE OF TECHNOLOGY

Israel

Net EU contribution

€ 182 543,75

Address
THE HEBREW UNIVERSITY OF JERUSALEM

Israel

Net EU contribution
€ 310 000,00

Address
Edmond J. Safra Campus Givat Ram
91904 Jerusalem

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation 🌐 Website 🌐 Participation in EU R&I programmes 🌐 HORIZON collaboration network 🌐

Other funding
€ 0,00

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THE JAMES HUTTON INSTITUTE

United Kingdom

Net EU contribution
€ 374 630,00

Address
Errol Road Invergowrie
DD2 5DA Dundee

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation 🌐 Website 🌐 Participation in EU R&I programmes 🌐 HORIZON collaboration network 🌐

Other funding
€ 0,00
Scotland > Eastern Scotland > Perth & Kinross and Stirling

Activity type
Research Organisations

Links

Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding
€ 0,00

THE UNIVERSITY OF NOTTINGHAM

United Kingdom
Net EU contribution
€ 273 870,00

Address
University park
NG7 2RD Nottingham

Region
East Midlands (England) > Derbyshire and Nottinghamshire > Nottingham

Activity type
Higher or Secondary Education Establishments

Links

Contact the organisation  Website  Participation in EU R&I programmes  HORIZON collaboration network

Other funding
€ 0,00

UNIVERSITA DEGLI STUDI DI MILANO

Italy
Net EU contribution
€ 131 390,00

Address
Via festa del perdono 7
20122 Milano

Region
Nord-Ovest > Lombardia > Milano

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

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UNIVERSITA DEGLI STUDI DI NAPOLI FEDERICO II

Italy
Net EU contribution
€ 293 750,00

Address
Corso umberto i, 40
80138 Napoli

Region
Sud > Campania > Napoli

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation  Website
Participation in EU R&I programmes
HORIZON collaboration network

Other funding
€ 0,00

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CONSIGLIO NAZIONALE DELLE RICERCHE

Italy
Net EU contribution

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UNIVERSITAT DE LES ILLES BALEARS
Spain
Net EU contribution
€ 290 037,50

Address
Carretera de valldemossa km 7.5
07122 Palma de mallorca

Region
Este > Illes Balears > Mallorca

Activity type
Higher or Secondary Education Establishments

Links
Contact the organisation Website Participation in EU R&I programmes HORIZON collaboration network

Other funding
€ 0,00

Last update: 23 August 2022