

HORIZON
2020

Resurrection plants reveal secrets of vegetative desiccation tolerance

Fact Sheet

Project Information

RESIST

Grant agreement ID: 823746

DOI

[10.3030/823746](https://doi.org/10.3030/823746) 

Project closed

EC signature date

4 October 2018

Start date

1 March 2019

End date

31 August 2024

Funded under

EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

Total cost

€ 1 062 600,00

EU contribution

€ 1 062 600,00

Coordinated by

TSENTAR PO RASTITELNA
SISTEMNA BIOLOGIYA I
BIOTEHNOGIYA



Bulgaria

This project is featured in...



28 March 2025



Project description

Growing crops under water-stressed conditions

Climate change is affecting agriculture. For instance, warming temperatures are taking their toll on crop quality and yield worldwide. In this context, the EU-funded RESIST project will explore solutions to reduce water stress in crops. Specifically, it will study the genomes of several resurrection species and compare them with the genomes of desiccation-sensitive plants to identify molecular mechanisms that are involved in drought tolerance. The project will also sequence and analyse two more (Haberlea rhodopensis and Xerophyta humilis). The overall aim will be to shed light on the nature of drought stress tolerance by studying the comparative transcriptomics, metabolomics and lipidomics of resurrection, model, and crop plants subjected to drought.

Fields of science (EuroSciVoc)

[agricultural sciences](#) > [agriculture, forestry, and fisheries](#) > [agriculture](#)

[natural sciences](#) > [biological sciences](#) > [genetics](#) > [genomes](#)



Programme(s)

[H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions](#)

MAIN PROGRAMME

[H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge](#)

Topic(s)

[MSCA-RISE-2018 - Research and Innovation Staff Exchange](#)

Call for proposal

[H2020-MSCA-RISE-2018](#)

[See other projects for this call](#)

Funding Scheme

Coordinator



TSENTAR PO RASTITELNA SISTEMNA BIOLOGIYA I BIOTEHNOGIYA

Net EU contribution

€ 366 942,00

Total cost

€ 366 942,00

Address

RUSKI BLVD 139

Plovdiv

 **Bulgaria** 

Region

Югозападна и Южна централна България > Южен централен > Пловдив

Activity type

Research Organisations

Links

[Contact the organisation](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Participants (4)



MAX-PLANCK-GESELLSCHAFT ZUR FORDERUNG DER WISSENSCHAFTEN EV

 **Germany**

Net EU contribution

€ 87 400,00

Address

HOFGARTENSTRASSE 8

80539 Munchen 

Region

Bayern > Oberbayern > München, Kreisfreie Stadt

Activity type

Research Organisations

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 87 400,00



UNIVERSITAET POTSDAM

Germany

Net EU contribution

€ 332 258,00

Address

AM NEUEN PALAIS 10
14469 Potsdam

Region

Brandenburg > Brandenburg > Potsdam

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 332 258,00



BEN-GURION UNIVERSITY OF THE NEGEV

Israel

Net EU contribution

€ 156 400,00

Address

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84105 Beer Sheva

Activity type

Higher or Secondary Education Establishments

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 156 400,00



BIOATLANTIS LIMITED

Ireland

Net EU contribution

€ 119 600,00

Address

CLASH INDUSTRIAL ESTATE
V92 RWV5 TRALEE KERRY

SME

Yes

Region

Ireland > Southern > South-West

Activity type

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

Links

- [Contact the organisation](#)
- [Website](#)
- [Participation in EU R&I programmes](#)
- [HORIZON collaboration network](#)

Total cost

€ 119 600,00

Partners (1)



PARTNER

UNIVERSITY OF CAPE TOWN

South Africa

Net EU contribution

€ 0,00

Address

PRIVATE BAG X3

7701 Rondebosch 

Activity type

Higher or Secondary Education Establishments

Links

[Contact the organisation](#)  [Website](#) 

[Participation in EU R&I programmes](#) 

[HORIZON collaboration network](#) 

Total cost

€ 404 800,00

Last update: 31 October 2022

Permalink: <https://cordis.europa.eu/project/id/823746>

European Union, 2025