Sustainable optimization of the value chain of added-value fresh and dried berries through the integration of Precision Agriculture management strategies and innovative dehydration and edible coating

Fact Sheet

Project Information

FRIETS
Grant agreement ID: 101007783

Funded under
EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

DOI
10.3030/101007783

Total cost
€ 2 433 400,00

EU contribution
€ 2 433 400,00

Coordinated by
REZOS BRANDS ANONYMI
EMPORIKI ETERIA IDON
DIATROFIS
Greek

Project description

Reinforcing the innovative development of superior quality fruit snacks
Although the consumption of fruit is a prerequisite for a healthy diet, the rapid speed of the modern lifestyle prevents people from achieving their optimum daily intake. This challenge could be addressed through the production of natural, nutritive, healthy and personalised ready-to-eat snacks. The EU-funded FRIETS project will create a solid framework for the development and marketisation of customised, nutritious and innovative, soft fruit smart snacks that contain no added sugar, sodium or chemical preservatives. Bringing together a team of cross-disciplinary scientists and a network of international SMEs, FRIETS will focus on the optimisation of smart, low-impact production and the sustainable development of superior quality processed berries for products tailor-made to the needs of specific groups.

**Fields of science**

agricultural sciences > agriculture, forestry, and fisheries > agriculture > horticulture > fruit growing

engineering and technology > materials engineering > coating and films

medical and health sciences > health sciences > nutrition

agricultural sciences > agriculture, forestry, and fisheries > agriculture > horticulture > vegetable growing

social sciences > economics and business > business and management

**Keywords**

<table>
<thead>
<tr>
<th>Smart snacks</th>
<th>osmotic dehydration</th>
<th>freeze drying</th>
<th>microwave vacuum drying</th>
</tr>
</thead>
<tbody>
<tr>
<td>low sugar-salt</td>
<td>microbial analysis</td>
<td>LCA</td>
<td>LCC</td>
</tr>
<tr>
<td>bioactives extraction and encapsulation</td>
<td>pre and post-harvest management</td>
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</tbody>
</table>

**Programme(s)**

H2020-EU.1.3. - EXCELLENT SCIENCE - Marie Skłodowska-Curie Actions

H2020-EU.1.3.3. - Stimulating innovation by means of cross-fertilisation of knowledge

**Topic(s)**

MSCA-RISE-2020 - Research and Innovation Staff Exchange
Call for proposal

H2020-MSCA-RISE-2020

See other projects for this call

Funding Scheme

MSCA-RISE - Marie Skłodowska-Curie Research and Innovation Staff Exchange (RISE)

Coordinator

REZOS BRANDS ANONIMΩ EMPORIKΩ ETERIA IDON DIATROFIS

Net EU contribution

€ 276 000,00

Address

Vipe patron
25200 Patras

Греция

Region

Κεντρική Ελλάδα > Δυτική Ελλάδα > Αχαΐα

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

Participants (12)

ETHNICON METSOVION POLYTECHNION

Греция

Net EU contribution
€ 230 000,00

Address
Heroon polytechniou 9 zographou campus
157 80 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

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GEOPONIKO PANEPISTIMION ATHINON

Greece

Net EU contribution
€ 165 600,00

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

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TECHNOLOGIKO PANEPISTIMIO KYPROU
Cyprus

Net EU contribution
€ 193 200,00

Address
Archbishop kyprianos 31 savings cooperative bank building 3rd floor
3036 Lemesos

Region
Κύπρος > Κύπρος > Κύπρος

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

UNIVERSITATEA DE STIINTE AGRICOLE SI MEDICINA VETERINARA CLUJ NAPOCA

Romania

Net EU contribution
€ 174 800,00

Address
Manastur str; 3-5
400372 Cluj napoca

Region
Macroregiunea Unu > Nord-Vest > Cluj

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 TA MALTA

Malta

Net EU contribution

€ 188 600,00

Address

Tal oroq
2080 Msida

Region

Malta > Malta > Malta

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

UNIVERSITY OF HUDDERSFIELD

United Kingdom

Net EU contribution

€ 193 200,00

Address

Queensgate
HD1 3DH Huddersfield

Region

Yorkshire and the Humber > West Yorkshire > Calderdale and Kirklees

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
DIGNITY IDIOTIKI KEFALAIIOUXIKI ETAIREIA

Greece

Net EU contribution

€ 220 800,00

Address

Leoforos alexandrou papagou 30 32
157 71 Zogragou

SME

Yes

Region

Αττική > Αττική > Κεντρικός Τομέας Αθηνών

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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FYSIKA PROSTHETA TROFIMON EE

Greece

Net EU contribution

€ 110 400,00

Address

Dios 6
177 78 Tavros

SME

Yes

Region

Αττική > Αττική > Νότιος Τομέας Αθηνών

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

MOUNTAIN BERRIES PITSILIA NV LTD
Cyprus
Net EU contribution
€ 147 200,00
Address
Kapadokias 9
2325 Nicosia
SME
Yes
Region
Κύπρος
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

KPAD LTD
United Kingdom
Net EU contribution
€ 220 800,00
Address
Francis house 2 park road barnet
EN5 5RN London

SME
Yes

Region
London > Outer London — West and North West > Barnet

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

CENCIRA CENTRUL DE CERCETARE SI INOVARE AGROALIMENTARA SRL
Romania

Net EU contribution
€ 165 600,00

Address
Ion mester 6
400650 Cluj napoca

SME
Yes

Region
Macroregiunea Unu > Nord-Vest > Cluj

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
MGARR FARMING CO LTD

Malta

Net EU contribution

€ 147 200,00

Address

4 three arches, st phillip street
MGR 2420 Mgarr

Region

Malta > Malta > Malta

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

EC signature date 7 December 2020
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Permalink: https://cordis.europa.eu/project/id/101007783

European Union, 2023