Advanced solutions for assuring the overall authenticity and quality of olive oil

Fact Sheet

Project Information

OLEUM
Grant agreement ID: 635690

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

DOI
10.3030/635690

Total cost
€ 5,347,267.62

EU contribution
€ 4,878,860.87

Closed project

Start date
1 September 2016

End date
28 February 2021

Coordinated by
ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA
Italy

This project is featured in...
Objective

The OLEUM project will generate innovative, more effective and harmonized analytical solutions to detect and fight the most common and emerging frauds and to verify the overall quality of olive oils (OOs). By a core group of 20 partners from 15 countries OLEUM will undertake RESEARCH ACTIVITIES based on the development of IMPROVED and NEW ANALYTICAL METHODS by targeted and omics approaches with the aim: i) to detect new markers of the soft deodorization process; ii) to discover illegal blends between OOs and other vegetable oils; iii) to control OO quality (e.g. freshness); iv) to improve the organoleptic assessment with a Quantitative Panel Test, based on current official methods, and supported by tailored reference materials for better calibration of the sensory panels coupled with rapid screening tools to facilitate the work of the panelists. The most promising OLEUM solutions will be subjected to VALIDATION in conformity with internationally agreed standards by peer laboratories. OLEUM will recreate a realistic “deodorization scenario” by producing tailored, soft deodorized OOs by lab-scale and up-scaled pilot plants to apply analytical solutions to known samples. Substantial KNOWLEDGE and TECHNOLOGY TRANSFER activities will be envisaged to aid in implementation of: a) a web-based easily-accessible, scalable and constantly updated OLEUM DATABANK, containing all the information from OLEUM research and other reliable international sources, will be available for download data and spectra and to help achieve satisfactory harmonization of analytical approaches among control laboratories; b) the OLEUM NETWORK of relevant OOs stakeholders to maximize the impact of proposed analytical solutions. Finally, a robust dissemination strategy by the OLEUM project aimed at effectively sharing results with all stakeholders in the OO supply chain has the potential to improve consumer and market confidence, and preserve the image of OOs on a global scale.

Fields of science

natural sciences > computer and information sciences > software
natural sciences > computer and information sciences > databases
Programme(s)

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

Topic(s)

SFS-14a-2014 - Authentication of olive oil

Call for proposal

H2020-SFS-2014-2015

See other projects for this call

Sub call

H2020-SFS-2014-2

Funding Scheme

RIA - Research and Innovation action

Coordinator

ALMA MATER STUDIORUM - UNIVERSITA DI BOLOGNA

Net EU contribution

€ 950 375,00

Address

Via Zamboni 33
40126 Bologna

Italy  🇮🇹

Region

Nord-Est > Emilia-Romagna > Bologna
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 (24)

AGENCIA ESTATAL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTIFICAS
Spain
Net EU contribution
€ 606 068,49

Address
Calle Serrano 117
28006 Madrid

Region
Comunidad de Madrid > Comunidad de Madrid > Madrid

Activity type
Research Organisations

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

Other funding
€ 0,00

JRC -JOINT RESEARCH CENTRE- EUROPEAN COMMISSION
Belgium
Net EU contribution
€ 406 562,50

Address
FERA SCIENCE LIMITED
United Kingdom
Net EU contribution
€ 289 661,64
Address
65 Gresham Street
EC2V 7NQ London
Region
London > Inner London — West > Camden and City of London
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
Other funding
€ 0,00

UNIVERSITA DEGLI STUDI DI UDINE
Italy
Net EU contribution
**Net EU contribution**

€ 287 500,00

**Address**
Via Palladio 8
33100 Udine

**Region**
Nord-Est > Friuli-Venezia Giulia > Udine

**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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**INSTITUT DES CORPS GRAS**

France

**Net EU contribution**
€ 264 550,00

**Address**
Rue Gaspard Monge 11 Parc Industriel
33610 Canejan

**Region**
Nouvelle-Aquitaine > Aquitaine > Gironde

**Activity type**
Research Organisations

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

**Other funding**
€ 0,00

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**THIRD-PARTY**

CREOL CENTRE DE RECHERCHE ET D EXPERIMENTATION SUR LES OLEAGINEUX ET PROTEAGINEUX SAS
France
Net EU contribution
€ 19 500,00
Address
Rue Gaspard Monge 11 - Parc Industriel
33600 Pessac
SME Yes
Region
Nouvelle-Aquitaine > Aquitaine > Gironde
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
Other funding
€ 0,00

ARISTOTELIO PANEPISTIMIO THESSALONIKIS
Greece
Net EU contribution
€ 250 000,00
Address
Kedea Building, Tritis Septemvriou, Aristotle Univ Campus
54636 Thessaloniki
Region
Θεσσαλονίκη > Κεντρική Μακεδονία > Βόρεια Ελλάδα
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 PERUGIA

Italy

Net EU contribution

€ 249 250,00

Address

Piazza Dell Universita 1
06123 Perugia

Region

Centro (IT) > Umbria > Perugia

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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EUROFINS ANALYTIK GMBH

Germany

Net EU contribution

€ 242 718,75

Address

Neulander Kamp 1
21079 Hambourg

Region

Hamburg > Hamburg > Hamburg

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
THIRD-PARTY

EUROFINS ANALYTICS FRANCE SAS

France
Net EU contribution
€ 58 593,75

Address
Rue Pierre Adolphe Bobierre
44300 Nantes

Region
Pays de la Loire > Pays de la Loire > Loire-Atlantique

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

Other funding
€ 0,00

UNIVERSITAT DE BARCELONA

Spain
Net EU contribution
€ 171 776,00

Address
Gran Via De Les Corts Catalanes 585
08007 Barcelona

Region
Este > Cataluña > Barcelona

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
EUROPEAN FOOD INFORMATION COUNCIL
Belgium
Net EU contribution
€ 223,275,00
Address
Rue Des Deux Eglises 14
1000 Bruxelles
Region
Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Région de Bruxelles-Capitale/Brussels Hoofdstedelijk Gewest > Arr. de Bruxelles-Capitale/Arr. Brussel-Hoofdstad
Activity type
Other
Links
Contact the organisation
Website
Participation in EU R&I programmes
HORIZON collaboration network
Other funding
€ 0,00

STICHTING EFFOST
Netherlands
Net EU contribution
€ 192,109,88
Address
Agro Business Park 82
6708 PW Wageningen
Region
Oost-Nederland > Gelderland > Veluwe
Activity type
Research Organisations
Links
Contact the organisation
Website
Participation in EU R&I programmes
LABLICATE GMBH
Germany
Net EU contribution
€ 171 312,50
Address
Martin-luther-king-platz 6
20146 Hamburg
SME
Yes
Region
Hamburg > Hamburg > Hamburg
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

UNIVERZA NA PRIMORSKEM UNIVERSITA DEL LITORALE
Slovenia
Net EU contribution
€ 4 365,59
Address
Titov Trg 4
6000 Koper
Region
Slovenija > Zahodna Slovenija > Obalno-kraška
Activity type
Higher or Secondary Education Establishments
SOCIETE DES PRODUITS NESTLE SA

Switzerland

Net EU contribution
€ 0,00

Address
Avenue Nestle 55
1800 Vevey

Region
Schweiz/Suisse/Svizzera > Région lémanique > Vaud

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

Other funding
€ 195 031,25

SVEUCILISTE U RJIĆI, MEDICINSKI FAKULTET

Croatia

Net EU contribution
€ 0,00

Address
Brace Branchetta 20
51000 Rijeka

Region
Hrvatska > Jadranska Hrvatska > Primorsko-goranska županija
Higher or Secondary Education Establishments

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

Other funding
€ 0,00

ULUSAL ZEYTIN VE ZEYTINYAGI KONSEYIBASKANLIGINA

Türkiye

Net EU contribution
€ 40 393,75

Address
Anadolu Caddesi 40, Tepekule Kongre D 509 Bayrakh
35010 İzmir

Region
Ege > İzmir > İzmir

Activity type
Other

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

Other funding
€ 0,00

SMART ASSAYS BIOTECHNOLOGIES LTD

Israel

Net EU contribution
€ 92 250,00

Address
3rd Pihas Sapir
7414003 Nes Ziona

SME
Yes
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

CONSEJO NACIONAL DE INVESTIGACIONES CIENTIFICAS Y TECNICAS
(CONICET)
Argentina
Net EU contribution
€ 68 453,13

Address
Godoy Cruz 2290
C1425FQB Buenos Aires

Activity type
Research Organisations

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

Other funding
€ 0,00

CHINA NATIONAL RESEARCH INSTITUTE OF FOOD AND FERMENTATION INDUSTRIESCO LTD
China
Net EU contribution
€ 0,00

Address
Xiaoyun Lu Road 32 Chaoyand District
100027 Beijing
Yes

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

Other funding
€ 273 375,00

INSTITUT ZA POLJOPRIVREDU I TURIZAM USTANOVA
Croatia
Net EU contribution
€ 73 741,00

Address
Karla Huguesa 8
52440 Porec

Region
Hrvatska > Jadranska Hrvatska > Istarska županija

Activity type
Research Organisations

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

Other funding
€ 0,25

ZNANSTVENO-RAZISKOVALNO SREDISCE KOPER
Slovenia
Net EU contribution
€ 112 673,80

Address
Garibaldijeva Ulica 1
6000 Koper
THE QUEEN'S UNIVERSITY OF BELFAST

United Kingdom

Net EU contribution

€ 103 730,09

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University Road Lanyon Building
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Region

Northern Ireland > Northern Ireland > Belfast

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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