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New Active Recyclable Packaging with Natural Antioxidising for the extension of the fresh food shelf live

Fact Sheet

Project Information

FRESHFILM

Grant agreement ID: 232217

[Project website](#) 

Project closed

Start date
1 June 2009

End date
31 August 2011



Funded under
Specific Programme "Capacities": Research for the benefit of SMEs

Total cost
€ 1 276 676,86

EU contribution
€ 999 141,00

Coordinated by
ASOCIACION PARA LA INVESTIGACION DESARROLLO E INNOVACION DEL SECTOR AGROALIMENTARIO - AIDISA
 Spain

Objective

FRESHFILM will create a highly-functional film food packaging, that will strongly serve two main end-user communities: Food Processing Industry & Plastic Packaging Industry (meat processing vs. fresh food processing). These are mature sectors which create annual revenues in Europe in €147 billion and €12 billion

respectively and require continues innovation to differentiate in a strong-competition market and to attend a consumer demand with increasing level of quality exigency. FreshFilm will solve the main concerns regarding flexible packaging market: product time life, plastic weight and multilayer recycling by extending fresh-food life time, reducing the weight of packaging and enabling recovery, recycling or reusing of the materials in the packaging. The New Approach of the Directive on Packaging and Packaging Waste (EU/94/62) has set new targets for the European flexible supplier chain. Directive 94/62 requires reducing the weight of packaging and enabling recovery, recycling or reusing of the materials in the packaging. This project will develop an innovative recycling food packaging material for meat mainly and also for vegetables, salads and pasta, with oxygen scavenger properties to enable a slowing of the oxidization process within the food being stored by creating an oxygen poor atmosphere and effectively acting as an anti-oxidant. The natural oxygen scavenging compounds, which act as antioxidants, will be blended as extracts from natural herbs such as garlic, onion, cinnamon, cloves, thyme, and sage. Contrasting current barrier layers that prevent ingress of oxygen to manage down the oxygen content of the pack interior, the developed film will be entirely recycled at end-of- life. The science and technology required to do this will be challenging, yet the partnership comprises some of Europe's leading research and industrial.

Fields of science (EuroSciVoc)

[engineering and technology](#) > [environmental engineering](#) > [waste management](#) > [waste treatment processes](#) > **[recycling](#)**

[agricultural sciences](#) > [agriculture, forestry, and fisheries](#) > [agriculture](#) > [horticulture](#) > **[vegetable growing](#)**

[engineering and technology](#) > [other engineering and technologies](#) > [food technology](#) > **[food packaging](#)**



Programme(s)

[FP7-SME - Specific Programme "Capacities": Research for the benefit of SMEs](#)

Topic(s)

[SME-1 - Research for SMEs](#)

Call for proposal

Funding Scheme

[BSG-SME - Research for SMEs](#)

Coordinator



ASOCIACION PARA LA INVESTIGACION DESARROLLO E INNOVACION DEL SECTOR AGROALIMENTARIO - AIDISA

EU contribution

€ 46 215,00

Total cost

No data

Address

**CARRETERA NACIONAL 120 KM 22.8
26315 Aleson La Rioja**

 **Spain** 

Region

Noreste > La Rioja > La Rioja

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Participants (9)



INSPIRALIA SOCIEDAD LIMITADA

 **Spain**

EU contribution

€ 26 746,00

Address

CALLE MANUEL TOVAR 49
28034 Madrid 

Region

Comunidad de Madrid > Comunidad de Madrid > Madrid

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

No data



FRAUNHOFER GESELLSCHAFT ZUR FORDERUNG DER ANGEWANDTEN
FORSCHUNG EV

 Germany

EU contribution

€ 2 196,00

Address

HANSASTRASSE 27C
80686 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

No data



Extractos vegetales s.a.

 Spain

EU contribution

€ 257 237,00

Address

CL Montera 5, 2B

28013 Madrid 

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

No data



INVOS, spol. s r.o.

 Czechia

EU contribution

€ 270 606,00

Address

Svarov 83

68713 Brezolupy 

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

No data



AMB SRL

 Italy

EU contribution

€ 273 301,00

Address

VIA SAN MARTINO 12
33038 SAN DANIELE DEL FRIULI 

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

No data



PLASTITEHASE AS 

 Estonia

EU contribution

€ 73 653,00

Address

Suur-Sõjamäe 31
11415 TALLINN 

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

No data



Sociedad Española de Servicios Agroalimentarios, IDI, S.L.

 Spain

EU contribution

€ 2 695,00

Address

Poligono de la BArreda, TL4, PArcela 1
33180 Noreña 

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](#) 

Total cost

No data



Parkam Foods Ltd

 United Kingdom

EU contribution

€ 32 638,00

Address

Halifax Road 24
WF15 6JL Liversedge 

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

No data



ASOCIACION DE INVESTIGACION DE INDUSTRIAS CARNICAS DEL
PRINCIPADO DE ASTURIAS

 Spain

EU contribution

€ 13 854,00

Address

POLIGONO LA BARREDA TL4 PARCELA 1
33180 Norena 

Region

Noroeste > Principado de Asturias > Asturias

Activity type

Research Organisations

Links

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

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

[HORIZON collaboration network](#) 

Total cost

No data

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Permalink: <https://cordis.europa.eu/project/id/232217>

European Union, 2025