


Una manera de hacer Europa



BUENAS PRÁCTICAS
Operaciones Cofinanciadas

**INDIVIDUAL R&D PROJECTS IN THE
AUTONOMOUS COMMUNITY OF MADRID**

**Centro para el Desarrollo Tecnológico
Industrial (CDTI)**

**Programa Operativo
Plurirregional de España**

Fondo Europeo de Desarrollo Regional

Año 2017

GOOD PRACTICES
CDTI FUNDING CO-FINANCED WITH FEDER FOR INDIVIDUAL R&D PROJECTS
IN THE 2014-2016 PERIOD IN THE AUTONOMOUS COMMUNITY OF MADRID

Within the sphere of the activities undertaken by the CDTI as an agency that drives the technological innovation and development of Spanish companies through financing R&D&I projects, in the November 2014 - March 2016 period, 193 individual R&D project-related business initiatives of *ID typology* were approved in the Autonomous Community of Madrid, with a total eligible budget of Euro 147,977,937, FEDER funding of Euro 39,919,685, which has benefited a total of 164 companies.

Out of this whole group, two companies operating in different fields (building materials and drugs) and whose projects have been co-financed with FEDER funds in the R&D projects category, have been chosen as an example of good practices.

R&D projects are a business funding typology geared towards the development of original products or industrial processes of an applied nature, based on the development of new technologies.

URSA INSULATIO, S.A. This multinational is at the forefront of the production and commercialisation of insulation materials for building purposes (glass wool and extruded polystyrene). It is running an R&D project researching resins for fibres based on 100% renewable materials at its work centre in Madrid. The project lasted from April 2016 until March 2017 with an overall budget of Euro 701,867, of which Euro 123,859 is financed through FEDER funds.

PHARMA MAR, S.A. A pharmaceutical company engaged in the discovery, development and commercialisation of new marine-based antitumor compounds. It is running four R&D projects researching the effectiveness and safety of different compounds in oncological treatment at its facilities in Colmenar Viejo (Madrid). Their execution is scheduled for between 2014 and 2018 with an overall budget of Euro 6,957,699, of which Euro 971,921 is financed through FEDER funds.

They are considered good practices because they meet the criteria designed for this purpose:

1. THE ACTIVITIES HAVE BEEN SUITABLY DISSEMINATED AMONG BENEFICIARIES, POTENTIAL BENEFICIARIES AND THE GENERAL PUBLIC

Among the multiple activities undertaken by the CDTI to inform companies about its activities, substantial resources are earmarked for publicising the features and objectives of the company projects funded by FEDER.

Every month, a Press Release is issued to convey information on the most interesting aspects approved at the CDTI Board of Directors' meeting. The FEDER co-financing used for some of the approved projects is highlighted in these Press Releases.

Other Press Releases are issued to solely publish information on extremely important matters, such as calls for proposals co-financed through FEDER funds.




de prensa

Consejo de Administración

El CDTI concede más de 63 millones de euros a 134 proyectos de I+D+i empresarial

- Las iniciativas aprobadas emplearán a 1.334 trabajadores, en su mayoría de alta cualificación

27 de octubre de 2017. El Consejo de Administración del Centro para el Desarrollo Tecnológico Industrial (CDTI), Entidad Pública



Proyectos cofinanciados con fondos FEDER 2014-2020

En este Consejo, 35 de las operaciones aprobadas son cofinanciadas con fondos de la ronda FEDER 2014-2020 –Programa Operativo Pluri-Regional de Crecimiento Inteligente–, con aportación pública (CDTI+FEDER) que asciende a 14,7 millones de euros.

Proyectos aprobados en octubre de 2017 con cofinanciación FEDER 2014 – 2020				
Lugar de desarrollo	Operaciones cofinanciadas	Aportación CDTI (Euros)	Presupuesto total (Euros)	Porcentaje de financiación (%)
Regiones más desarrolladas	23	10.844.495,61	16.558.354,50	65%
Regiones en transición	12	3.933.627,98	5.098.642,00	77%
TOTAL	35	14.778.123,59	21.656.996,50	68%

El Programa Operativo Pluri-Regional de Crecimiento Inteligente

The CDTI website has a section offering information on FEDER funds, as do specific campaigns launched through social media.



Qué es el CDTI

Financiación de la I+D+i

Proyectos de investigación y desarrollo

Proyectos estratégicos CIEN

Proyectos FEDER interconectados

Proyectos de innovación e inversión en el sector pesquero y marítimo

Proyectos de innovación CDTI

Proyectos de innovación global

Financiación de la I+D+i

Fondo Europeo de Desarrollo Regional (FEDER) UNA MANERA DE HACER EUROPA

Descripción

Los Fondos Estructurales y de Inversión Europeos (Fondos EIE) incluyen en España, para el periodo 2014-2020, al Fondo Europeo de Desarrollo Regional (FEDER), Fondo Social Europeo (FSE), Fondo Europeo Agrícola de Desarrollo Rural (FEADER) y Fondo Europeo Marítimo y de Pesca (FEMP).

Servicios

- Contacto
- Documentación relacionada
- Inicio



FONDO EUROPEO

CDTI Centro para el Desarrollo Tecnológico Industrial

Llamada a los proyectos FEDER Innterconecta 2018

#AyudasCDTI #FEDER #Innterconecta

APERTURA DEL PLAZO

3 MAY 2018

CIERRE DEL PLAZO : 5 JUN 2018

+info en goo.gl/RAkrH5

@CDTIoficial

Worthy of note is the fact that the CDTI Promotion and Cooperation Department takes part in day sessions, monographic on occasions, presenting the programmes supported by FEDER funds. In the January 2014 - March 2016 period, the CDTI took part in more than 90 events staged in the Autonomous Community of Madrid to inform of the activities supported by FEDER funds.



En 2014, el CDTI prevé comprometer del orden de 1.031 millones de euros en proyectos de I+D+i y empresa de base tecnológica. Esto supone un 24 % más que en 2013 y va a permitir permitir impulsar a las empresas innovadoras españolas en un momento crítico para la recuperación económica, en el que la apuesta por la competitividad basada en conocimiento y tecnología debe ser más fuerte que nunca.

A este importante crecimiento del volumen de compromisos en 2014 hay que añadir la mejora de instrumentos que aprobó el Consejo de Administración del CDTI el 30 de enero de este año.

gran falta de financiación para proyectos empresariales innovadores ya que el sector bancario no ofrece el suficiente apoyo para que las empresas puedan completar sus inversiones. Es por ello que las medidas aprobadas van encaminadas a mejorar el apoyo que ofrece el Centro.

El CDTI ha mejorado los tramos no reembolsables en todos los proyectos de investigación y desarrollo. Así, estará entre el 5% y el 25% sobre la ayuda concedida, modulado en función de las características del proyecto, del beneficiario y de los fondos utilizados (ver tabla siguiente)

Características del proyecto de I+D	PYME	Gran empresa
Con carácter general	Hasta el 10%	Hasta el 5%
Participación efectiva, mediante subcontratación, de entidades de investigación	Hasta el 15%	Hasta el 10%
Cooperación Tecnológica Internacional	Hasta el 25%	Hasta el 20%
Desarrollados en regiones de convergencia y cofinanciados con el Fondo Tecnológico	Hasta el 20%	Hasta el 20%
Desarrollados en Madrid o Navarra y cofinanciados con Fondos FEDER (Programas operativos regionales)	Hasta el 20%	Hasta el 15%
Cofinanciados con el Mecanismos Financiero del Espacio Económico Europeo (EEA-Grants)	Hasta el 20%	Hasta el 20%

The CDTI PERSPECTIVA magazine is also used to regularly disseminate contents relating to FEDER funds and co-financed projects.

Furthermore, the CDTI, within the framework of the preparation of Good Practices reports, has seized the opportunity to continue publicising the FEDER support received by the selected companies. In this case, through the CDTI account on YouTube, it shares videos, which can be accessed by the public at large, to give visibility to the projects and showcase the financing received.

UNIÓN EUROPEA
Fondo Europeo de Desarrollo Regional (FEDER)
Una manera de hacer Europa

CDTI Centro para el Desarrollo Tecnológico Industrial @CDTIoficial

FEDER: Una manera de hacer Europa
Buena Práctica: Proyectos apoyados en la Comunidad Autónoma de Madrid (CAM)

Lugar: Salón de actos del CDTI
Calle Cid, 4 28001 Madrid
24 de abril de 2018

AGENDA

11.45 h. Registro de asistentes

12.00 h. Bienvenida Institucional
Francisco Marín | @PacoMarin_CDTI
Director General de @CDTIoficial

12.15 h. Proyectos apoyados con Fondos FEDER en la CAM
Andrés Ubierna | Departamento de Estudios y Comunicación de @CDTIoficial

Also worthy of note is an event organised by the CDTI, which was open to the general public and featured the companies chosen as an example of good practices.

The Madrid-headquartered companies selected also disseminate the FEDER co-financing received. They have produced posters with information about the project and mentioning European Union financial support. The companies also inform the public of the support received through the funds, adding a description on their respective websites.

Proyecto financiado parcialmente por el CDTI y Fondos Europeos FEDER

Gracias a las subvenciones obtenidas, el Departamento de I+D+i de URSA ha podido desarrollar una novedosa resina para unir las fibras de la lana mineral consiguiendo un material muy elástico y resistente. El proyecto de creación de este ligante ha sido parcialmente financiado por el Ministerio de Economía, Industria y Competitividad, a través del Centro para el Desarrollo Tecnológico Industrial (CDTI) y los Fondos Europeos FEDER.

Pero lo más importante es que este ligante se fabrica con elementos naturales como el maíz, el almidón o el ácido cítrico sustituyendo a los ligantes acrílicos que se usaban anteriormente (derivados del crudo y generadores de emisiones contaminantes en su proceso de fabricación).

El proyecto con título "DESARROLLO DE RESINAS LIGANTES RENOVABLES PARA MATERIALES AISLANTES DE LANA MINERAL" y número de expediente IDI-20151023 ha sido financiado por el CENTRO PARA EL DESARROLLO TECNOLÓGICO INDUSTRIAL (CDTI), y cofinanciado por el FONDO EUROPEO DE DESARROLLO REGIONAL (FEDER) a través del Programa Operativo Pluri-regional de Crecimiento Inteligente.

Proyectos Cofinanciados

Consorcios Internacionales

Proyectos Individuales

2. INNOVATIVE ASPECTS CONTAINED IN THE PROGRAMME.

CDTI funding with FEDER co-financing in Madrid contains clearly innovative aspects. This innovative layer is afforded, firstly, by the nature of the activities themselves: funding for the development of business R&D projects.

Concerning technologies, out of the 193 projects supported in the Autonomous Community of Madrid, approximately half belong to the ICT sector, 1 out of every 6 to industrial sectors, and the rest are spread across the building, aerospace, food, agriculture and fishing, environment and eco-innovation, and pharmaceutical and biotechnology industries. Although each and every one of these projects contains innovative aspects in their respective fields, in order to showcase specific cases, our sample focuses on ones that have been selected.

URSA INSULATIO, S.A. develops 100% renewable resin binders and sustainable mineral wool for insulation purposes.



PHARMA MAR, S.A. has been exploring the world's oceans for over 25 years in the search for biological samples of living organisms in order to discover new, marine biodiversity-based drugs. It is at the forefront in this area with a collection of more than 150,000 samples.

3. ADAPTATION OF THE RESULTS OBTAINED TO SET OBJECTIVES.

The CDTI results monitoring system is based on two surveys that are linked to each project's cycle and are sent to the companies at two separate moments in time. The first, the Results Survey, is conducted when the project's technology development is completed. The second, the Ex-Post Survey, is carried out when two years have passed from commercialisation of the results obtained.

Through these surveys, the CDTI obtains a dynamic picture of its projects, with respect to the results of the financed companies, focussing on the strategies adopted by the companies when executing their technology developments, and on their commercialisation-related decision-making. The surveys also gather information on the continuity of the changes in the companies' behaviour and in their resolution to run new R&D projects.

Turning to the companies selected for this report, URSA INSULATIO, S.A. successfully completed its research, obtaining very interesting materials for their industrial and commercial development. The sustainability of these products is perhaps the highest out of the alternatives offered by the industry.

In the different projects it is running, PHARMA MAR has demonstrated the efficacy of some compounds, effective doses, pharmacokinetic interactions and a reduction in side effects for their application in high impact oncology disorders and in different trial stages or clinical study phases.



4. CONTRIBUTION TO THE RESOLUTION OF A PROBLEM OR WEAKNESS DETECTED IN THE TERRITORIAL AREA OF EXECUTION.

One of the most exceptional outcomes of the economic recession, which especially impacted the Autonomous Community of Madrid (CAM), was the downturn in business R&D expenditure. In fact, between 2009 and 2014 in the CAM, there was a drop of 15.1%, three percentage points more than the 12.1% recorded in the whole of Spain. Through the activities framed within the FEDER Operational Programme, the CDTI has sought to contribute to a solution. The upturn in business R&D investment in the region is a necessity for the successful recovery and increasing of the companies' competitiveness in the region in the medium and long term.

Not only do the results of the projects selected contribute to enhancing the region, in this case the Autonomous Community of Madrid, but their outreach is also much more extensive, impacting national, European and even international territory in the medium to long term.

The objectives of the project run by **URSA INSULATIO** are targeted at the development of new, environmentally sustainable materials. The sustainability of insulation materials for building purposes is highly dependent upon the compositions and processing of the binders used in their manufacture. That is very important for new, emission-free, sustainable materials to be developed at a viable cost.

PHARMA MAR's strategy entails clinical development based on the main types of tumours, and on tumours with no satisfactory medical treatment, guaranteeing the continual flow of R&D-based products for their inclusion in clinical stages as a new drug or a new procedure.

2015-2017

DOS AÑOS DE INTENSO TRABAJO

HORAS DE LABORATORIO

COLABORACIÓN CON GRUPOS DE INVESTIGACIÓN

NUMEROSAS PRUEBAS PILOTO EN FABRICA

Lanzamiento de la nueva gama de productos **URSA PUREONE™** (Alemania, octubre 2017), con la mejor combinación de rendimiento y sostenibilidad del mercado.





Fondo Europeo de Desarrollo Regional (FEDER)
UNA MANERA DE HACER EUROPA



The World Health Organisation estimates that 32.6 million people are living with cancer. Every year, 14.1 million new cases of cancer are recorded and, in 2012, as a direct consequence, almost 8.2 million people died worldwide, of which 1.9 million relate to deaths that occurred in Europe. The scope of application of this company's developments is far-reaching.

5. HIGH DEGREE OF COVERAGE OF TARGET POPULATION

As regards financed R&D projects, the CDTI's core strategy is to select those developed by companies and geared towards creating and enhancing production processes, products or services in order to increase their technological level, thus generating wealth.

Out of the 193 R&D projects funded in the Autonomous Community of Madrid, 51% belong to the ICT sector, a form of horizontal technology, with widespread coverage of solutions in all project development arenas; 17% of the projects operate in the industrial area and around 10% are directly related to environmental goals.

Coverage of the project run by URSA is very high with respect to potential beneficiaries of the results obtained, not only due to consolidation of the energy efficiency and CO₂ emission-reduction actions, but also because of the improvements in air quality involved, and sustainability in building components and materials. In addition to the use as building insulation, the developed product has applications in air-conditioning pipework as well as insulation in household appliance manufacture. The products developed, with zero formaldehyde emission rates, are highly competitive for their application in ovens and refrigerators. Finally, other applications are foreseen where air quality protection is essential, mainly aeronautical and marine.

As regards the projects run by the Pharma Mar, and as mentioned above, cancer incidence is extremely high. The results of the projects come under the designation of innovative drugs that contribute to enhancing life expectancy in OECD countries.

PROYECTO FINANCIADO POR EL CDTI - FEDER

ONCOLOGÍA INSPIRADA EN EL MAR
EL MAR COMO NUEVA FUENTE DE FÁRMACOS

LURBINECTEDINA
Compuesto sintético de origen marino con actividad demostrada en los siguientes tipos de cáncer

OBJETIVOS
a) Estudio clínico en Fase II como agente antitumoral
b) Efecto sobre los parámetros electrocardiográficos del paciente

ESTUDIO CLÍNICO FASE II

PM14
Compuesto sintético de origen marino con actividad demostrada en los siguientes tipos de cáncer

OBJETIVOS
a) Identificar
b) Vía intravenosa

ESTUDIO CLÍNICO FASE I

Fondo Europeo de Desarrollo Regional (FEDER)
UNA MANERA DE HACER EUROPA

6. CONSIDERATION OF HORIZONTAL EQUAL OPPORTUNITY AND NON-DISCRIMINATION CRITERIA AS WELL AS SOCIAL RESPONSIBILITY AND ENVIRONMENTAL SUSTAINABILITY.

Out of the 193 R&D projects funded in the Autonomous Community of Madrid, around 10% are directly related to environmental sustainability targets (energy and environment and eco-innovation). Furthermore, the companies that apply to the CDTI for financing have to fill out a questionnaire stating their positions in the horizontal criteria mentioned in this section in order to showcase the importance that CDTI affords to these issues.

The developments resulting from URSA's project are specifically targeted at improving energy efficiency and reducing CO₂ emissions.



Pharma Mar, among other awards, holds an “Integrated Environmental Authorisation” for its production facilities.

With respect to equal opportunities and non-discrimination, in not one of the four projects developed by Pharma Mar with FEDER co-financing can differences be seen between the compensation received by participating technicians resulting from gender and there are a majority of women participating in all the teams.

7. SYNERGIES WITH OTHER POLICIES AND PUBLIC INTERVENTION INSTRUMENTS.

The design of the programmes supporting R&D&I business in the Programming Period 2014-2020 has been contingent upon regional planning resulting from the RIS3 agenda. Madrid, along with the other 16 Spanish Autonomous Communities, prepared its RIS3 and, in some way, restricted support for non-priority sectors.

CDTI participation contributes to driving the scope and usability of FEDER funds through inter-agency coordination. In this way, the CDTI has committed Euro 113.7 million, co-financed with FEDER in the Autonomous Community of Madrid, to individual R&D projects carried out by Madrid-based companies.

The goals of the project developed by URSA coincide with the action plans of the strategy in the long term for energy renovation in the building sector in Spain (ERESEE 2017), with the Department of Public Works' Infrastructure, Transport and Housing Plan PITVI (2012-2024) and with the Transport and Infrastructure Innovation Plan. At the Autonomous Community level, it meets the objectives of the Municipal Sustainable Energy Use and Climate Change Prevention Plan of the city of Madrid and the priority lines of EU 2020, in its Energy Efficiency section.

The objectives of the projects developed by PHARMA MAR are in line with the action plans of the Health Programmes of the European Union, in their healthcare strategy, supporting dynamic health systems and new technologies. There are also synergies with the goals of Social Challenge 1. Health and Wellbeing, with respect to Action against Cancer, as well as in the Pharmaceutical Products section.