

SECRETARÍA DE ESTADO DE PRESUPUESTOS Y GASTOS DIRECCIÓN GENERAL DE FONDOS EUROPEOS

MINISTERIO DE HACIENDA



BUENAS PRÁCTICAS

Actuaciones Cofinanciadas



Una manera de hacer Europa

Line of aids of the annuity of 2016, destined to finance the accomplishment of projects of I+D in collaboration between Technological Centers of the Comunitat Valenciana to promote the investigation and the technological development personalized in the subventions granted to ITENE (Technological Institute of the Packing, Transport and Logistic) and AIJU (Technological Institute of the Toy) for the project CHILDBIOPACK Valencian Institute of Business Competitiveness (IVACE)

Programa Operativo de la Comunidad Valenciana

Año 2019

Fondo Europeo de Desarrollo Regional

Good Practice of the Valencian Institute of Business Competitiveness (IVACE) of the Generalitat Valenciana of the line of aids of the annuity of 2016, destined to finance the accomplishment of projects of I+D in collaboration between Technological Centers of the Comunitat Valenciana to promote the investigation and the technological development personalized in the subventions granted to ITENE (Technological Institute of the Packing, Transport and Logistic) and AIJU (Technological Institute of the Toy) for the project CHILDBIOPACK

February 2020

Presentation

The purpose of the aid to finance the Childbiopack project is to promote research, technological development and business innovation in the Technology Centers of the Comunitat Valenciana through collaboration between them.

The call for aid promoted by the Valencian Institute of Business Competitiveness (IVACE) of the Generalitat Valenciana and aimed at Technology Centers of the Comunitat Valenciana for the 2016 financial year, had an initial budget of 8,315,510 euros, which allowed the development of 49 new R&D projects co-financed by the Operating Programme ERDF of the Comunitat Valenciana 2014-2020. Of these, we highlight the **Childbiopack** project, led by AIJU (Toy Technology Institute) with a total eligible cost of 130,071 euros, of which 50% (65,035 euros) correspond to ERDF co-financing.

The main objective of the **Childbiopack** project is to develop a line of **microwave trays containing** nutritionally adapted **menus** for children and young people (3-14 years old). Specifically, the packaging developed allows uniform heating in the microwave and is made from sustainable materials. Finally, the menus have been designed in accordance with nutritional and socio-cultural criteria, emphasizing the use of local foods that enhance the Mediterranean diet.

It is estimated that this project will benefit **2,018 national companies and 416 from the Comunitat Valenciana**, both those belonging to **the packaging sector**, as they will be able to expand their range of products with materials more respectful of the environment and with added value in terms of convenience, and companies dedicated to the **baby food sector** and the **ready meals sector** because it will give them the opportunity to offer baby food products that are different from others already on the market.

The Technological Institutes that have participated in the development of this project have been, on the one hand, **ITENE** (Technological Institute of Packaging, Transport and Logistics) in the town of Paterna (Valencia), dedicated to scientific research, technological advancement and promotion of sustainability in the fields of packaging and on the other hand, **AIJU** (Technological Institute of the Toy) specialized in toys, children's products and leisure, located in the town of Ibi (Alicante).



The arguments that make this action a Good Practice according to the defined criteria are presented

1. The action has been adequately disseminated among the beneficiaries, potential beneficiaries and the general public.

Public events

Project exhibition in December 2016



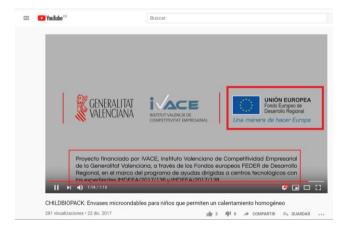
Seminars



Social networking

https://www.facebook.com/itenetecnologia/videos/1655966974451546/? so =serp videos tab





Videos YouTube

Busca

https://www.youtube.com/watch?v=PMcGAQD3QgY



CHILDBIOPACK: Envases microondables para niños que permiten un calentamiento homogéneo 283 visuálizaciones · 22 dic. 2017 (# 3 4 10 / COMPARTIR Es, GUARDAR

Magazines, newsletters and specialized publications



Information flyers and posters







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News on websites



2. The action incorporates innovative elements.

The ready meals sector has consolidated itself as one of the most promising sectors when it comes to finding innovation and added value in its products. In this line, it is surprising that, despite the fact that there are numerous products that use active packaging elements to microwaves, there is to date no packaging such as the one that incorporates the Childbiopack project that provides a solution to the problem of microwave heating: reaching a final temperature that is **homogeneous** or uniform throughout the product, introducing improvements in the food's heating pattern and at the same time developing a range of products that are innovative in terms of functionality and design.

In order to contribute to the reduction of waste, for the manufacture of the packaging it has been decided to use **sustainable** materials from renewable sources in the industry for products of habitual consumption.



As an innovative element, we must also highlight the incorporation of **menus adapted** to the target age range (between 3 and 14 years old), which are attractive to this public and designed according to **nutritional** criteria based on the Mediterranean diet.

3. Adequacy of the results obtained to the objectives set.

The research and development project that we present as Good Practice is part of the objective of promoting research, technological development and innovation through **collaboration** between technology centers in the Comunitat Valenciana. The business centers AIJU and ITENE have a high degree of complementarity that generates **synergies** in the development of the project: the selection and design of materials from renewable sources corresponded to ITENE, the evaluation of their safety to AIJU and the design of nutritionally adequate menus, adapted to the preferences of the consumer, to both.

The result of this collaboration is the **Childbiopack** project, containers to heat food in the microwave in a homogeneous way, developed to offer healthy menus to children and which also preserve the nutritional value of the food while respecting the environment.

The project has had the cooperation of several companies in the results transfer phase who have shown their interest in this technology and its future commercialization in the market.

4. Contribution to the resolution of a regional problem or weakness.

One of the objectives of the ready-to-eat food industry is to adapt this product to different consumer profiles, making them healthier. In view of the worrying data on the increase in overweight and obesity in children, it is essential to promote a **balanced and healthy diet** without ignoring current trends in favour of the consumption of ready-made dishes.

Knowledge about consumer trends marks the way forward in product **innovation**. Achieving a diet adapted to the rhythm of life that provides healthy and quality nutrition anywhere and ready for consumption is a concept that promotes the development of these microwave packages.

On the other hand, citizens are increasingly committed to a personalized diet with products adapted to their specific needs, these needs can be considered not only in adulthood but also in developmental ages (3-14 years).

Finally, it should be noted that the progress achieved with this project and its results, through a **transfer of knowledge** to companies, represents an opportunity and a basic tool in two ways. On the one hand, for **packaging manufacturers**, who will be able to expand their range of products by including a line aimed at ready-made meals. On the other hand, for packaging manufacturers, who will be able to offer differentiated and value-added children's food products.



5. High degree of coverage of the target population.

The food sector is a strong pillar in the Spanish business network and in the Comunitat Valenciana. This sector includes on the one hand, the subsectors of baby food and ready meals, and on the other hand, widely related, the packaging sector. The results of the project focus on these sectors, which benefit both from the possibilities of developing new convenient packaging with greater added value, and from the possibilities of expanding the range of baby food products or entering this market niche. The packaging sector is a direct beneficiary of the technology developed and the knowledge acquired for the production of this type of packaging.

On the other hand, one of the segments where pre-cooked dishes are required and which are easy to prepare is that of school canteens. The preparation of a nutritionally adapted menu, as well as packaging that facilitates its heating, are key elements for its implementation in student groups.

6. Consideration of the horizontal criteria of equal opportunities, non-discrimination, as well as social responsibility and environmental sustainability.

Given the nature of the project, the consideration of **equal opportunities** is applicable to the development of the project itself and not to the resulting product. From this point of view, the beneficiaries of this project have incorporated the principles of gender equality throughout all the stages of the project, being respectful of the European directives, policies and regulations that promote this equality. None of the activities within the project have contributed to the inequality of opportunities.

In relation to **environmental sustainability**, the **positive** impact of the project results is determined by the optimization of processes that are being pursued. Improving heating processes allows for lower energy consumption during the heating phase, and obtaining food packaging made of renewable biomaterials contributes to reducing the consumption of fossil resources.



7. Synergies with other policies or instruments of public intervention.

This action is in line with the **2030 Agenda** for Sustainable Development proposed by the UN, in particular, with the objective of supporting the development of domestic technology, research and innovation in developing countries, even guaranteeing a regulatory environment conducive to the industrial diversification and the addition of value to commodities, among other things.

In the area of regional policies, we highlight the **Strategic Plan for Valencian Industry** (PEIV), whose ultimate goal is to make the industrial sectors of the Comunitat Valenciana more competitive by strengthening industrial companies so that they are more productive and sustainable.

Finally, this project is framed within the thematic priorities - development axes and sectorial environments - included in the **Intelligent Specialization Strategy for Research and Innovation in the Comunitat Valenciana** (RIS3-CV) and is aligned with the objectives defined therein. This Intelligent Specialisation Strategy is a **strategic agenda** to contribute to the transformation of the Valencian productive model from research and innovation, and must not only aim at or be based on regional scientific excellence, but must also support innovation and include the dissemination of knowledge.



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