

Catalonia Open Challenges

<https://openchallenges.accio.gencat.cat/>

268 oportunitats Green al 2021
40% del total



Online

Catalonia Open Challenges

Catalonia Open Challenges

Welcome to the Catalonia Open Challenges platform!

This space is the meeting point for those who pose challenges and those who generate opportunities between Catalan and international companies and organizations.

Here you will be able to publish, as well as find and present yourself to different international business challenges and opportunities:

- **Open Innovation Challenges:** challenges from different companies, administrations, and large corporations, Catalan and from all over the world, looking for innovative solutions and proposals.
- **R&D and innovation partners:** local and international collaborative projects, looking for partners with complementary technologies and knowledge.
- **Public procurement:** the best public procurement opportunities around the world, both in the field of innovative public procurement and international public procurement.
- **International trade:** opportunities and demands for products or services looking for suppliers.

Register now

Open until 31 December 2025

LOCATION Online

ORGANISED BY

ACCIÓ
Catalonia &
Trade & Investment

 **Generalitat
de Catalunya**

RESOURCES

[TERMS OF PARTICIPATION.pdf](#)
[USER'S GUIDELINE](#)

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Fem avui l'**empresa** del demà

Opportunities

36 Opportunities found

OPEN INNOVATION CHALLENGES (27)

PUBLIC PROCUREMENT (7)

PARTNERS FOR R&D PROJECTS (2)

COUNTRIES (12)

OPEN INNOVATION CHALLENGES

Updated on May 12, 2022

Expires on June 23, 2022

Seeking Breakthrough Approaches To Improv...

Project/objectives description:

We are looking for innovative ways of improving the impact of our cleaners on the environment expressed as life cycle assessment (LCA)...

New Materials Sustainability +3



Diana Loayza

ACCIÓ - Catalonia Trade & Investment Italy (Milan, Italy)

OPEN INNOVATION CHALLENGES

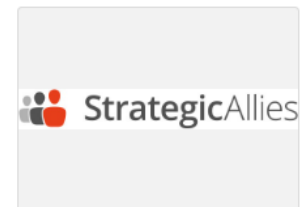
Updated on March 29, 2022

Expires on July 01, 2022

Sustainable non-woven material for FMCG ap...

A company that manufactures a range of products for the FMCG market is actively searching for ways to improve the sustainability of their products and associated packaging without compromising on performance....

New Materials Circular Economy +3



Jesus Buenafuente

Innovation Consultant at ACCIÓ - Catalonia Trade & Investment UK & Ireland (London, United Kingdom)

Oportunitats d'economia circular

<https://openchallenges.accio.gencat.cat/marketplace/opportunities/UGFydGljaXBhdGlvbk9wcG9ydHVu aXR5OjM3MTE2>

OPEN INNOVATION CHALLENGES

Sustainable food packaging with barrier properties

Updated on March 28, 2022 — Expires on July 01, 2022



Jesus Buenafuente

Innovation Consultant

A company seeks a food-safe, sustainable (recyclable or compostable) packaging material that can be used as a wrap for frozen food products. The packaging must act as an oil and moisture barrier at low but variable temperatures. It is required that at least one surface is printable to a high quality. The material should be able to be crimped or folded and glued or sealed.

- Background:

FMCG companies are seeking sustainable solutions for product packaging as part of their effort to reach stated carbon neutral goals. Recyclability, compostability, renewable source materials, and reducing energy to manufacture the packaging all play a role in moving towards sustainable packaging.

The objective of this challenge is to discover sustainable packaging with moisture barrier properties that can withstand the fluctuating temperatures and humidity levels in the frozen food supply chain. The desired solution should be easily recycled or composted and have improved moisture barrier properties at low temperatures.

- Possible Solution Areas include, but are not limited to:

- Metallized papers & metallization techniques
- Coated barrier papers
- Biopolymer films and other non-plastic coatings
- Papers with embedded barrier technology
- Laminated layers that can be easily separated into appropriate recycled waste streams
- Other packaging materials that fit criteria

- Solution Provider Profile

Commercially available, pre-commercial solutions from companies, universities or research institutes globally.



PepsiCo Seeking: Tech for Improving Mechanical rPET Quality

Updated on February 10, 2022 — Expires on July 01, 2022



Judit Sendra
International Innovation Advisor

Project/objectives description:

PepsiCo is seeking solutions to minimize quality and aesthetic challenges of increased recycled polyethylene terephthalate (rPET) content in packaging, allowing for reduced use of virgin polyethylene terephthalate (PET) and lower packaging greenhouse gases (GHG).

Solution Requirements:

Must-Haves:

1- Properties

- Methodologies to sequester metal contaminants (like Fe), reducing side-reactions and color
- Counteract aesthetic challenges from higher use of rPET including yellowing or tinting and black specs
- Decontamination technologies that reduce excessive heating
- Potential technologies for eliminating one melt step (flake to preform)

2- Reduced GHG preferred

- Packaging Forms – Water, CSD, hot fill, and aseptic
- Usage Occasion – Extend higher rPET content in packaging from 33% and higher
- Organoleptic Properties – No adverse effect to product (appearance, taste, flavor)
- Capabilities

3- Pilot Capabilities with the ability to create physical samples from concept creation.

- Commercial Capabilities

4- Durability & Handling

- Packaging should be able to withstand the manufacturing process, warehousing, and distribution.

5- Performance Requirement

- Run seamlessly on high-speed blow molding lines
- Acceptable aesthetics for 100% brands
- Should develop standardized plaque specifications for rPET color using 3mm plaques (we use a patchwork of wall color and preform color)
- Low NIAS, as in benzene, BPA.
- Relax rPET AA levels specification to <5ppm



Properes convocatòries Ajuts

ProACCIÓ Green

Innovació per a la neutralitat climàtica i la circularitat



Implementació



Assessorament,
connexió i
acompanyament



Sensibilització

— Ajuts directes de fins a **250.000 €**,
entre **25% i 70%**

— **RD Economia Circular- Residus**
Despesa mín. 150.000 €
Màxim 150.000€. **Oberta Termini:**
fins 30 juny

— **RD Canvi Climàtic**
Despesa mín. 120.000€
Màxim 250.000 **Oberta: fins 29 de**
setembre

— **Cupons Canvi Climàtic** Fins a
8.000 € per contractar
assessorament per combatre
canvi climàtic i avançar cap a la
circularitat. **Publicació juliol**
Sessions informatives:
29 de juny, juliol, setembre

— **20 juliol** PERTE Economia
Circular

Gràcies !

Més informació: [Web ProACCIÓ Green](#)

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Contacta'ns!

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