



# GRANTS TO PROMOTE CIRCULAR ECONOMY PROJECTS

WASTE AGENCY OF CATALONIA

Department of Prevention and Resource Efficiency

**Yolanda Morcillo**

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Public company of the Ministry of Territory and Sustainability of the Government of Catalonia responsible for managing the waste generated throughout Catalonia, including industrial, municipal, health care or agricultural waste.



## General objective:

To define a waste strategy that contributes to the transition towards a **circular, resource-efficient and low carbon economy** that at the same time improves competitiveness and business dynamism.

(General Programme on Prevention and Management of Waste and Resources 2013-2020, PRECAT20)



- ✓ Objective: the **promotion of projects** that accelerate the transition to a more circular economy in Catalonia, improving the efficiency of the use of the material resources.
- ✓ Financial aid addressed to **private companies** to develop or to implement **new products** or **services** that help to the transition to a circular economy.
- ✓ 1<sup>st</sup> call in 2016 (planned to be published every year)
- ✓ Yearly budget aprox. 800.000 € - 1.800.000 M
- ✓ Partially funded with the collection of tax on controlled deposition of industrial waste.  
(Tax amount: 2016: 11.85 €/ t; 2017 and 2018: 15.80 €/ t)



# ELIGIBLE PROJECT CATEGORIES

## “CIRCULAR ECONOMY PROJECTS”

To **develop** or to **implement** new products or services, within the following categories:

1. Ecodesign of products or services
2. New business models
3. Reuse and repair of products
4. Return of used products (take-back schemes)
5. Remanufacture
6. Industrial symbiosis
7. New uses of recycled materials
8. New processes or technologies for waste recovery
9. Landfill Mining

Requisit: positive impact in waste/material resources



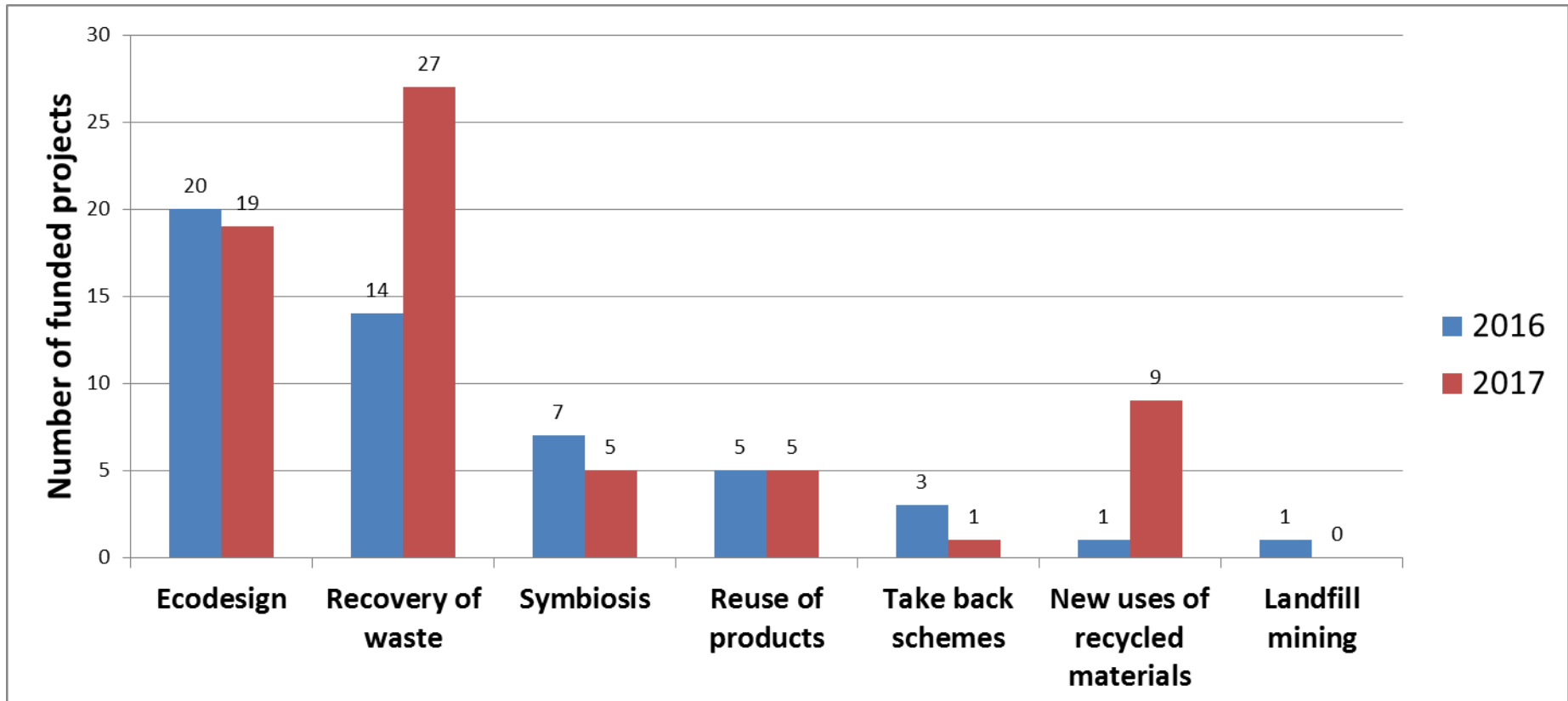
A circular economy is restorative and regenerative by design, and aims to keep products, components, and materials at their highest utility and value at all times, and distinguishes between technical and biological cycles.

(Source: Ellen MacArthur Foundation).

# GRANTS CIRCULAR ECONOMY 2018

PROJECT CATEGORIES	<ul style="list-style-type: none"> <li>• Eco-design of products or services</li> <li>• New business models</li> <li>• Reuse and repair of products</li> <li>• Return of used products (take-back schemes)</li> <li>• Remanufacture</li> <li>• Industrial symbiosis</li> <li>• New uses of recycled materials</li> <li>• New processes or technologies for waste recovery</li> <li>• Landfill Mining</li> </ul>
CLASSES	<p>A. Implementation of new products and services in the market</p> <p>B. R &amp; D (demonstration projects of new products or services)</p>
PROJECTS CALENDAR	<p>Duration of the project: 24 months aprox. maximum. The project must start after the application of the grant. (incentive effect)</p> <div data-bbox="1649 786 1846 925"> </div>
BENEFICIARIES	Private companies and groups of private companies of Catalonia
AVAILABLE BUDGET	830,000 € (an extension is planned)
INTENSITY OF THE AID	75% for SMEs / 50% for non-SMEs Maximum of 30,000 € for project
OUTSOURCING	Maximum of 75%

## Number of awarded projects



Total 2016+2017: **117** funded projects; **2.773.185,53 €**

**80%** of projects were funded (117 out of 146)

## Competitive Concurrence

1. Admission criteria (Yes/No)
2. Assessment criteria (Score)

ASSESSMENT CRITERIA	POINTS
A. Environmental relevance of the project	40
B. Technical quality of the project	15
C. Economic and social aspects	15
D. Value chain of the project	10
E. Innovation	10
F. Commercial potential of the project	10
<b>Total</b>	<b>100</b>



# ASSESSMENT CRITERIA

CRITERIA	POINTS
<b>A. Environmental relevance of the project</b>	<b>40</b>
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**Implementation of the waste hierarchy:**  
Prevention > Preparation for reuse>  
Recycling >Energy recovery

**If recycling, the level of upcycling**  
(the added value of the products or  
materials obtained in the project)

**Order of magnitude of the project:**

- Quantity of waste or products to which the project applies
- Quantity of waste avoided in Catalonia
- Quantity of waste that loses the condition of dangerous, for the elimination of dangerous substances in the products
- Quantities of waste diverted from the landfill in Catalonia
- Amount of products entering a cycle of circular economy
- Savings in virgin raw materials or other resources
- ...

Example:

**CARLOTAOMS**

BOSSA DE MAR. Eco-design of a bag /  
backpack made from raw materials of marine  
litter - BOSSA DE MAR



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Clarity and understanding of the proposal	5
Actions, schedule and budget consistent with the objectives of the project	5
Indicators and sources of verification adequate and sufficient	5

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D. Chain of value of the project	10
E. Innovation	10
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<b>Total</b>	<b>100</b>

Economic profit associated with the project	7
Creation and/or consolidation of jobs and/or new business lines	5
Inclusion of social aspects in the project (employees at risk of exclusion, etc.)	3

Example:



**HEAD PHONES SECOND LIFE.** Pilot test to implement a product service system of reusable earphones used in tourist transport of passengers, museums or other services

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Involvement in the project of the different entities involved in the life cycle of the product or service, for example:

- material suppliers
- product manufacturer
- repair companies,
- recycler,
- user of new recycled materials
- etc.

26 out of 117 funded projects (22%) have been submitted by a group of companies.

Example:

A group of 3 companies:

Development of multilayer plastic containers to be recirculated in a circular economy.



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**Degree of novelty**  
(compared to existent products/services)

**Potential to become an innovation:**

- It responds to a clear problem/need, it brings perceived value to users from a functional, emotional or social point of view;
- It reduces the efforts from an economic, maintenance, repair or recycling point of view
- The value will generate economic profit to the company

The proposal has been patented

Example:



**LICOCEUTIC.** Obtaining liposoluble extracts, rich in lycopene, from tomato processing waste as nutraceutical products

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Viability of implantation in the market	5
Dissemination of the project and potential replication of results in other companies and / or sectors of Catalonia	5

Example:



**Institut de  
Tecnologia de la Construcció  
de Catalunya**

Database of products that incorporate recycled material, for the construction sector.

## Competitive Concurrence

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## DISTRIBUTION OF TOTAL SCORE OF THE APPLICATIONS RECEIVED FOR GRANTS CE 2017

Average score of 59 points

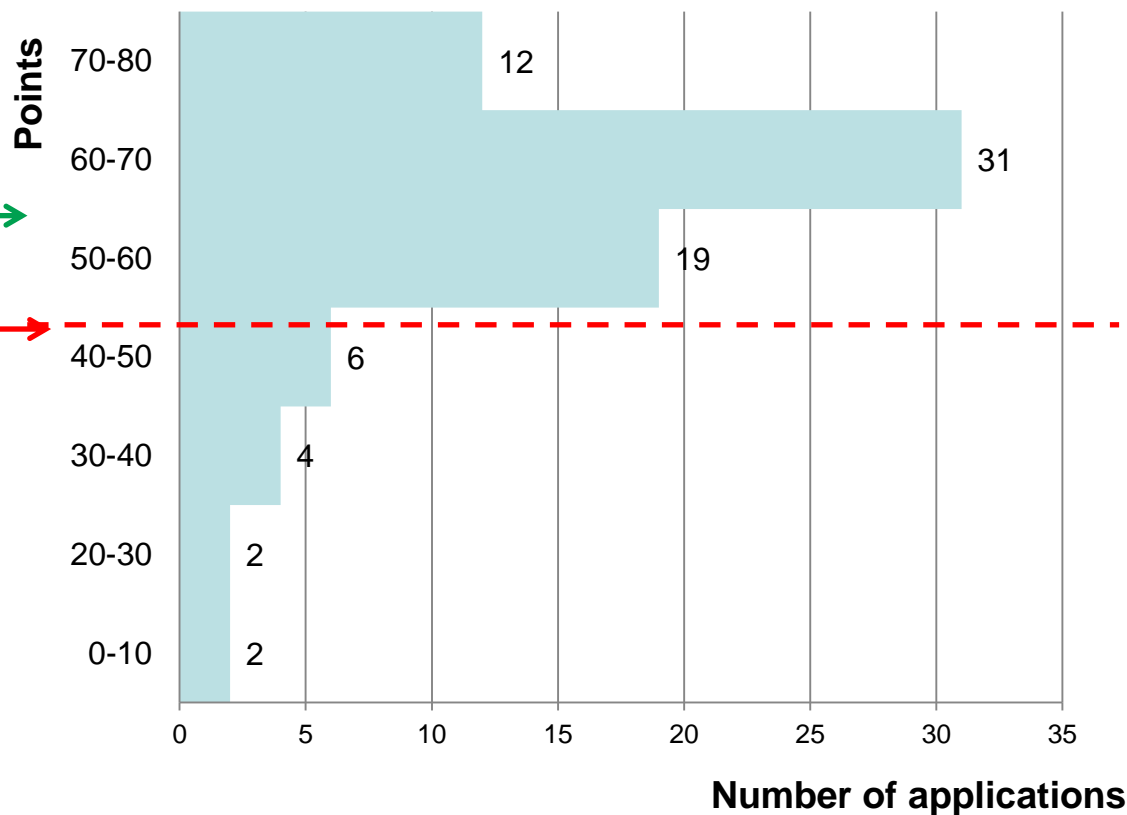


The **threshold** (minimum score) to receive funding was set at **48 points**



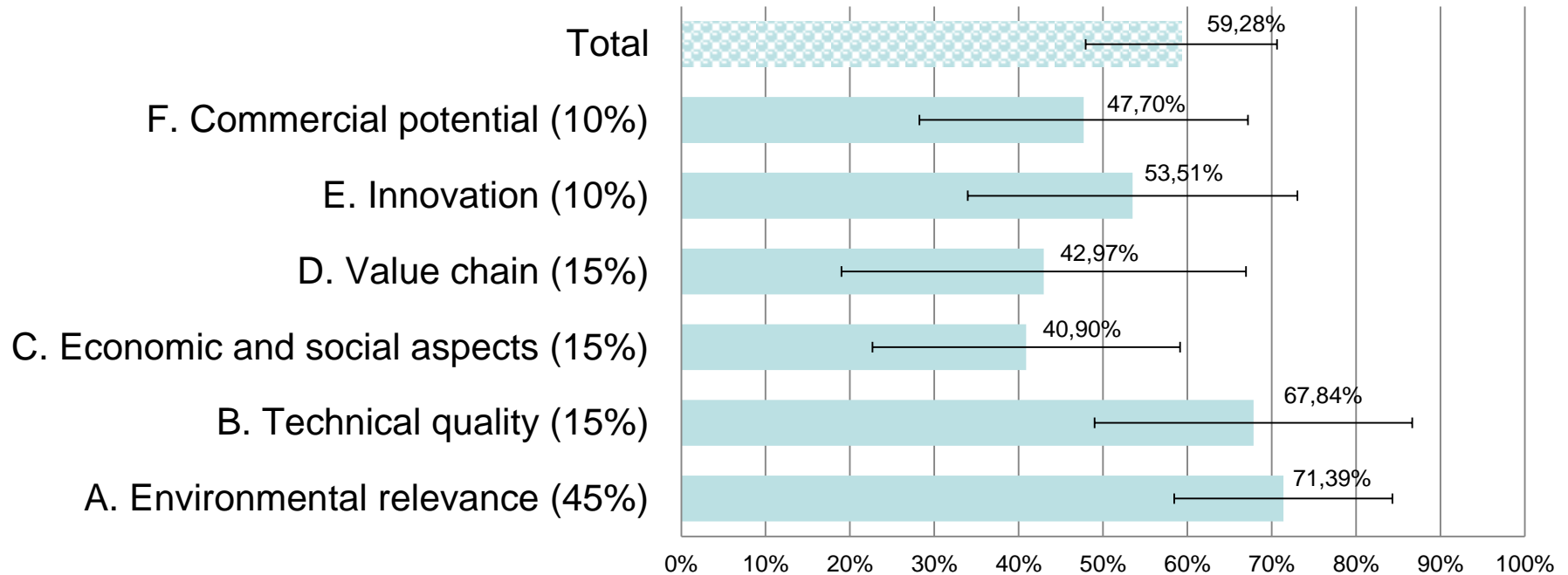
87 % (66/76) of the applications were funded

(In 2018 a minimum score of 50 points to get funded has been established in the grants terms and conditions)





# SCORE IN EACH CRITERION



- **INDICATORS** of the results of the projects:
  - Quantity of products/services delivered
  - Impact on the environment: tonnes of recycled material, savings in raw materials, saving in CO2 emissions, etc.
  - Impact on the business: revenue generated, new business lines.
  - Social impact: number of jobs created,
  - ...

# WASTE AGENCY OF CATALONIA

Department of Prevention and Resource Efficiency

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