



R E C Y C L I A A N N U A L R E P O R T





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Luis Pérez Bermejo

CHAIR OF RECYCLIA

*For a more sustainable  
society and a green and  
equitable reconstruction*

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Dear all, for the second year in a row, to take stock of Recyclia's activity in these pages requires that I look beyond the figures that summarise it, whether it be the number of companies associated with our environmental foundations or the tonnes of electronic waste (WEEE) and batteries and accumulators that have been processed, and begin this letter by referring to the complex context in which it has all taken place.

The 2021 edition of our report is once again of particular significance, given the extra effort required of this sector due to the circumstances surrounding economic activity since March 2020, as a result of the COVID-19 pandemic health crisis. I would therefore like to take this opportunity to thank and acknowledge your generous and supportive commitment, as well as to convey our solidarity with the victims of this crisis.



The pandemic is leaving a profound mark on our society, not only because of its economic and health impact, but also because of how this abrupt and unprecedented situation has positively changed our behaviour towards the environment. In other words, the pandemic has made us even more aware of the value of the environment for our well-being and our personal and collective health, which has led us to reinforce our habits to protect it, including recycling.

At Recyclia, we have always considered ourselves to be an important part of the driving force behind this change and the results contained in this report are the perfect reflection of this transformation. Added to this is the fact that we are currently witnessing and are part of a situation in which administrations, organisations and even private citizens are driving the green and digital transitions of our economic and productive system, with a special focus on the consolidation of new paradigms that are changing the way we treat waste, the maximum expression of which is the circular economy. In this context, I would therefore like to outline a number of milestones of our contribution in 2021.

Firstly, with regard to our results, it is very satisfying to note that last year we reached 57,623 tonnes of WEEE and batteries processed and 1,457 member companies, thus increasing our representativeness in all categories of devices.

Secondly, in 2021, we were pleased to share the second edition of our annual industry trends report. This report reaffirms the challenge we accepted in 2020 to analyse the situation and future trends in our sector, while at the same time reflecting the robustness of a management model with a high value for moving towards a circular and sustainable production model.

Lastly, we closed the year with the 6th Recyclia Environment Awards, which we are resuming after the absence in 2020. For yet another year, recognising the people, institutions and media that have contributed the most to achieving an environmentally sustainable environment was the perfect way to round off a year of activity that was particularly important due to the extra effort it required.

In conclusion, these results encourage us to continue working towards a more sustainable society and a green and equitable reconstruction, with a view to celebrating our tenth anniversary in 2022 as the first collective system administrator of WEEE and batteries in our country. A momentum in which the most important driving force is all of you who collaborated with us in 2021, as well as the Recyclia team for their commitment and dedication. Many thanks to all of you for that.





José Pérez García

CEO OF  
RECYCLIA

*Environmental awareness  
reaches a high level of  
maturity*

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For another year, it is a pleasure for me to take this opportunity to take stock of what 2021 has meant for Recyclia. In this text I will present the data that have been the key points of our activity during the last year and I can already tell you they have been positive and in line with our expectations. However, before doing so, I would like to briefly reflect on the environment in which we have had to perform our activity, and when I say our activity, I also mean yours.

And I want to do so because we are already immersed in the day-to-day work of 2022 and this year has a special significance for Recyclia, as we are celebrating ten years as an entity that operates collective waste management systems. This is a very meaningful anniversary as we have been pioneers in the creation of this legal form in the recycling world and, a decade later, it



can be said that we were absolutely right and this is demonstrated by our figures and the fact that other players in our market have adopted the same way of organising themselves.

Although we will delve deeper into this decade in next year's report, let me share a thought. We have grown through the profound changes in all markets and economic sectors brought about by events such as the vote for Brexit in 2016, the economic slowdown brought about by COVID-19 and, sadly, the war that is now shaking the foundations of the European Union. Not to mention the internal events that Spain has experienced during this same period in which we have been able to continue to grow.

To speak of 2021 is to speak of the environment that has marked our activity, the second year of the health crisis, fortunately with less virulence in terms of the cost of human lives, but not without its restrictions. So, once again this year, thank you for the extra effort it has taken to meet our objectives.

Focusing on the empirical data that has defined our 2021, we removed 49,433 tonnes of electronic equipment, reaching 396,669 tonnes since the beginning of our activity. In terms of batteries and accumulators, we have once again broken a record with a total of 8,191 tonnes of this waste being collected.

In addition, we also continue to further our work on the new types of waste that are being defined by a changing society. 67,604 kg of waste electric mobility vehicle batteries were collected in 2021, representing growth of 24.4% compared to the previous year. We also grew by 16.5% in the volume of solar panels recycled.

We've also maintained growth of 2% in the number of manufacturers and importers of electronic devices and batteries who have become members of our foundations, with 1,457 members in 2021. Our collection network has also expanded with 3,859 new points installed last year to reach a total of 88,282 across Spain.

For this reason, we can firmly state that the environmental awareness of the general public and the entire value chain of electronic devices and batteries has reached a level of maturity that we can be proud of as a society, and as environmental professionals in particular.

This year, more than ever, I would like to give my deepest thanks to everyone who has faced this complex situation by our side – the public, government agencies, manufacturers, distributors, installers and processors – and the whole Recyclia team for its unwavering hard work to achieve our goals. Our thanks to you all for your crisis-proof commitment to creating a sustainable future and our hope that by next year's letter, socioeconomic recovery and health will be back to normal.

## INTRODUCTION

### RECYCLIA



## RECYCLIA

Recyclia is the organisation that manages the Ecopilas, Ecofimática and Ecoasimelec collective systems for expanded producer responsibility. These foundations unite over 1,450 Spanish production companies. Recyclia is therefore the largest platform for selective collection and the waste management of electrical, electronic, battery, accumulator and lighting waste in Spain.

## RECYCLIA MANAGING BOARD

The Recyclia Managing Board is the organisation's governing body and consists of representatives from each of the three environmental foundations that choose directors to represent the interests of each foundation and sector from their respective Boards of Trustees.

The Managing Board is responsible for approving Recyclia's budget to ensure coordinated management, monitoring and control of the organisation's activity. The Recyclia coordinated management model translates into significant cost savings and the creation of successful joint efforts that make it a benchmark for electronic recycling in Spain and an excellent example of a circular economy at a European level.





# RECYCLIA

## MANAGING BOARD

### CHAIR

Luis Pérez Bermejo

[Ecoasimelec](#)

### CEO

José Pérez García

[Ecopilas](#)

### DIRECTORS

Agustín Alarcón

[Ecoasimelec](#)

Carmen Aláez

[Ecoasimelec](#)

Enrique Muñoz

[Ecoasimelec](#)

Benigno Martínez

[Ecopilas](#)

Ramón Campos

[Ecopilas](#)

Aurelio González

[Ecolum](#)

Jaime Corderas

[Ecofímica](#)

Vidal Vicente

[Ecofímica](#)

## ABOUT US

The three environmental foundations, Ecopilas, Ecofímica and Ecoasimelec, were created as collective systems for expanded producer responsibility (SCRAP) in accordance with current environmental legislation in Spain.

These foundations provide the tools and guarantees needed by member producers to ensure that they correctly comply with their environmental obligations. The three foundations are governed by Recyclia, the managing organisation.

It has a similar number of pacts and collaboration agreements with sector associations to offer specific solutions to different sectors.





[www.ecopilas.es](http://www.ecopilas.es)

*“Give your batteries  
new life”*

The **Ecopilas** Foundation was founded in 2000 and since then has been a benchmark in Spain and abroad for the collection and correct management of waste batteries and accumulators. Ecopilas has been a pioneer in creating and implementing its recycling processes in Spain. Ecopilas has 1,153 member companies, making it the leader in this sector in Spain with constantly growing activities across the country.



Its extensive collection network, consisting of 46,282 containers at the end of 2021, has been set up to make it easier for the general public to properly dispose of their used batteries and accumulators, thereby making collection more accessible to end users. The intense activity undertaken by Ecopilas over the years has allowed it to properly manage more than 52,000 tonnes of used batteries and accumulators since the entry into force of the 2008 regulation.

#### MEMBER COMPANIES

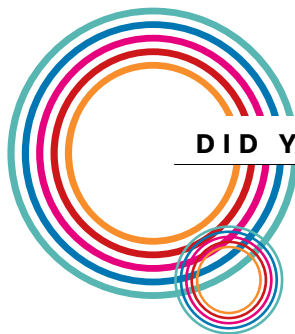
**1,153**

#### TONNES COLLECTED SINCE START OF ACTIVITY

**52,158**

#### COLLECTION POINTS

**46,282**



#### DID YOU KNOW?

Ecopilas has established the widest collection network for waste batteries in Spain with **46,282 collection points** at the end of 2021.



*'Make an Impression  
on the Environment'*



[www.ecofimatica.es](http://www.ecofimatica.es)

**MEMBER COMPANIES**

**16**

**TONNES COLLECTED**  
SINCE START OF ACTIVITY

**67,888**

**COLLECTION POINTS**

**24,176**

Ecofimática is an environmental foundation that provides coverage across Spain for the collection and recycling of domestic and professional waste from photocopiers, printers and faxes.

Furthermore, since the scope of the WEEE directive was expanded to include consumables as electrical and electronic equipment (EEE), this type of waste is now subject to the same obligations detailed in Royal Decree 110/2015 for machines. To respond to these new demands, the Ecofimática Foundation has launched a specific management system for printing consumables called Tragatóner/Tragatinta that helps the different agents in the sector (producers, distributors and users) comply with all the legally established requirements in the current WEEE directive.

The Ecofimática Foundation represents 90% of the sector and is comprised of the leading manufacturers and importers of office IT equipment in Spain, many of whom sit on the Board of Trustees. In order to facilitate the handover of used equipment, Ecofimática has set up a major network of collection points that offers nationwide coverage, with 24,176 collection points at the end of 2021. These points can be used to dispose of both domestic and professional waste.

In light of the professional nature of the sector, one of the most important tasks that Ecofimática performs involves raising awareness and sensitivity among professionals in the office IT sector about the importance of collaborating and using the foundation's channels to have unused equipment and waste electrical and electronic devices collected to ensure they are correctly processed.



[www.tragamovil.es](http://www.tragamovil.es)

*“United by responsible recycling”*

Ecoasimelec was set up in the year 2005 with the aim of assisting companies that manufacture and import electrical and electronic equipment to comply with the environmental commitments related to the publication of Royal Decree 208/2005. Ever since it was founded, the Ecoasimelec Foundation has been a benchmark in Spain for the management of waste electrical and electronic equipment (WEEE), and it enjoys the trust of 758 member companies and notable representation across the sector in major segments as IT and telecommunications, medical equipment, recreational machines and surveillance equipment, photovoltaic panels, and machines and tools, among other fields.

In 2014, Tragamóvil, the foundation created for the collection and correct processing of mobile telephone equipment, fused with Ecoasimelec and they became a single organisation. From this point on, the foundations joined forces on a shared project, optimising processes and generating synergies with other operations implemented by Ecoasimelec. In order to guarantee successful management and ensure compliance with their objectives, operations have been progressively defined in accordance with the needs of each of these sectors. Since they first began operations, Ecoasimelec and Tragamóvil have managed more than 322,479 tonnes of waste electrical and electronic equipment, achieving a reuse and recycling ratio of over **85.5%**.

#### MEMBER COMPANIES

**758**

#### TONNES COLLECTED SINCE START OF ACTIVITY

**322,479**

#### COLLECTION POINTS

**17,824**



#### DID YOU KNOW?

Ecoasimelec stands out for its number of member companies, with 758 companies at the end of 2021.



## RECYCLIA GENERAL INFORMATION

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Through the foundations that it governs, RECYCLIA has the most extensive waste electronics and battery collection network in Spain, currently consisting of more than 88,000 points, meaning it has been able to collect and correctly recycle more than 448,827 tonnes of waste since it began its operations.



## SUMMARY OF KEY FIGURES FOR 2021

**1,457**

MEMBER COMPANIES  
IN 2021

**88,282**

COLLECTION POINTS OF  
RECYCLIA FOUNDATIONS

**8,191,220<sub>kg</sub>**

QUANTITY OF BATTERIES  
AND ACCUMULATORS MANAGED

**49,432,619<sub>kg</sub>**

QUANTITY OF WEEE MANAGED

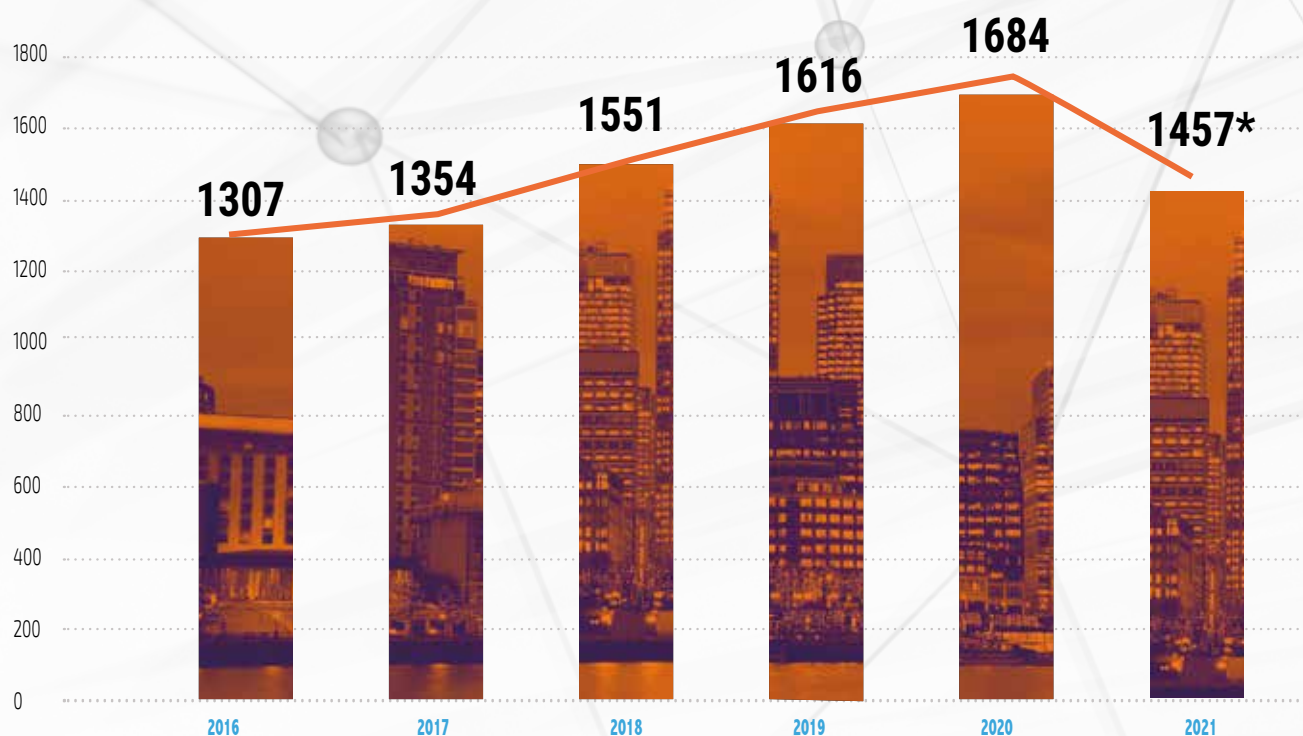


## MEMBER COMPANIES OF RECYCLIA FOUNDATIONS

Our continued growth is the result of working hard to attract member companies, subsequently guaranteeing their regulatory compliance and avoiding unfair competition.

## MEMBER COMPANIES 2021

**1,457**



\* This value does not include member companies of Ecolum.





## COLLECTION POINTS OF RECYCLIA FOUNDATIONS

COLLECTION POINTS OF  
RECYCLIA  
FOUNDATIONS IN 2021

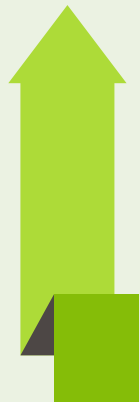
**88,282**

**3,859**

new collection  
points in 2021

**4.57%**

Growth in the number of  
collection points in 2021  
compared to 2020





## QUANTITY MANAGED BY RECYCLIA FOUNDATIONS

Kg managed by Recyclia foundations 2021

QUANTITY OF WEEE  
MANAGED IN 2021

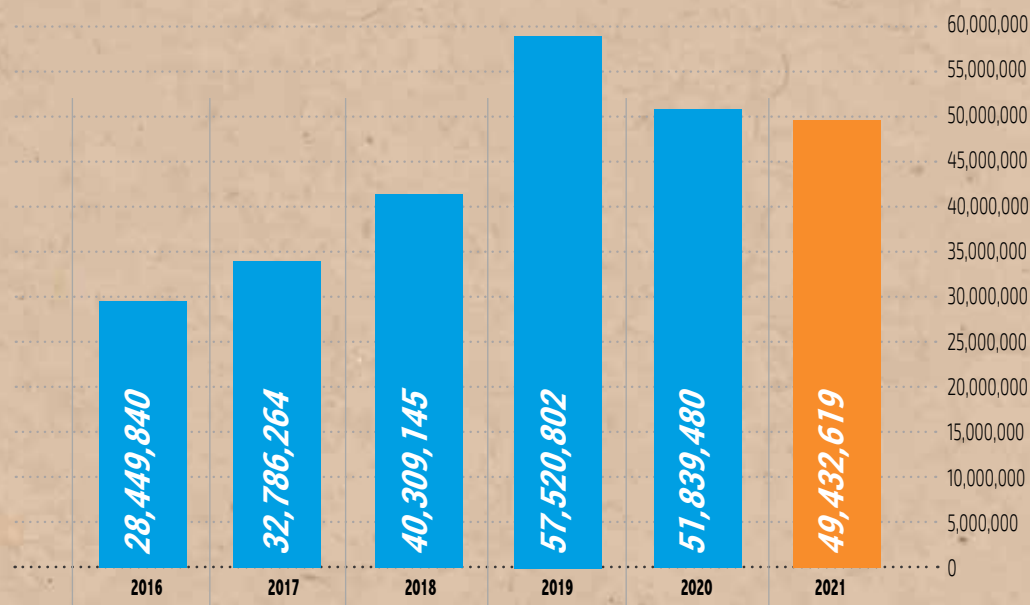


QUANTITY OF BATTERIES AND  
ACCUMULATORS MANAGED IN 2021



Evolution of Kg managed by Recyclia foundations 2016-2021

Quantity of WEEE managed





Evolution of Kg managed by Recyclia foundations  
2016-2021

Quantity of Batteries and Accumulators Managed  
(kg)

2016	2,532,644
2017	3,032,995
2018	6,213,127.20
2019	7,223,006.50
2020	7,315,145
2021	8,191,220



Kg managed by Recyclia  
foundations since start of activity  
(WEEE + Batteries)



448,827,865.52 kg

TOTAL BY FOUNDATIONS  
to date



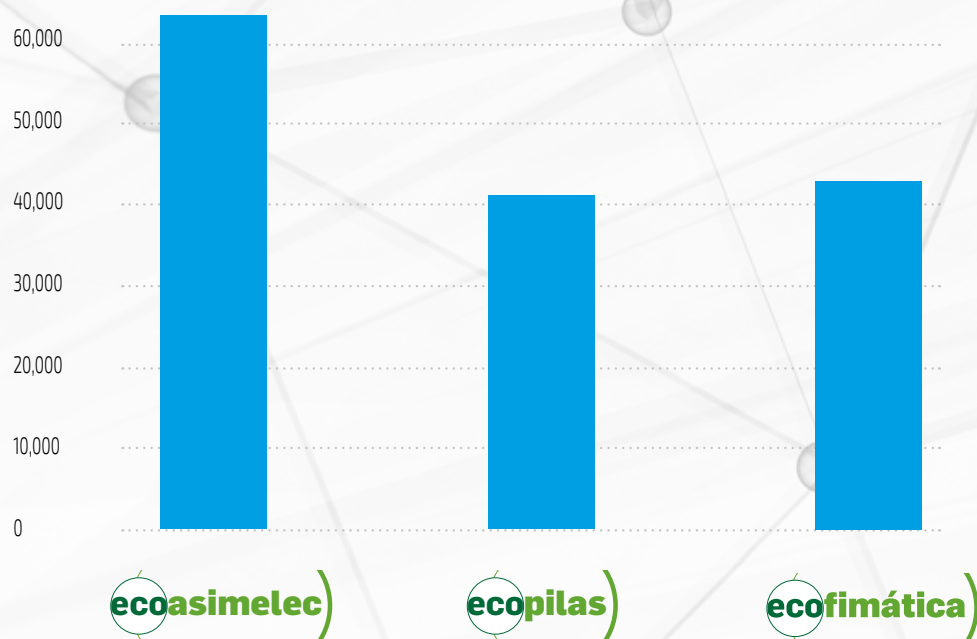
## NUMBER OF COLLECTION REQUESTS MADE TO RECYCLIA FOUNDATIONS IN 2021

ECOASIMELEC 63,410

ECOPILAS 40,277

ECOFIMÁTICA 41,468

## TOTAL REQUESTS MANAGED BY RECYCLIA FOUNDATIONS



No. of daily requests managed by Recyclia foundations:  
**397 requests/day** (365 days).





# AVERAGE EXPENSES OF FOUNDATIONS



5.2%

INSTITUTIONAL  
AND COMMUNICATION



3.1%

ADMINISTRATION  
AND OTHER  
EXPENSES



6.9%

COMPANY  
SERVICE



84.8%

WASTE  
MANAGEMENT

## COMMUNICATION AND EVENTS

## COMMUNICATION RESULTS

Communication plays an essential role in helping society as a whole to reach the turning point of embracing a sustainable, decarbonised and efficient future as a common project.

Since we began our activity, **Recyclia and its member foundations have considered communication to be a key strategic tool** for developing our work to raise public awareness.





In 2021, in particular, we will resume our Environment Awards, the sixth edition of which we had to postpone due to the health crisis in 2020. At this event, we once again recognised the work of the media and its professionals in terms of information and dissemination. We also provided continuity, albeit virtually, to one of the initiatives which, despite being in its early days, attracts most media interest: the presentation of our 2nd Annual Report on Trends in the WEEE and battery recycling industry in Spain.

In 2021, Recyclia's informative work recorded more than **1,500 impacts** in the press and on radio and television at regional and national level. The majority (47.8%) corresponded to articles published in the general media, followed by specialised ICT equipment and consumer electronics (16.9%); environmental and waste management (16.2%); other subjects (15.4%) such as CSR, health, industry and sports, and, finally, economics and finance (3.7%).

Among these impacts, it is worth highlighting the interviews with different Recyclia spokespersons carried out by TVE, Antena 3, Trece TV, El Mundo, La Vanguardia, Expansión, Cinco Días, Onda Cero, Cadena Ser, Cope, Radio Intereconomía, El Confidencial or Diario Médico, and other media outlets.





## RECYCLIA NETWORKS AND WEBSITE 2021

In 2021, Recyclia consolidated its position as a very significant player in the environmental segment on social networks, both nationally and internationally, with more than 12,000 direct followers. This number, added to the other followers of the environmental foundations, gives us a sample of 25,000 people who receive daily, regular and direct information.

The Recyclia website, which has been remodelled to update its contents and include new sections to improve positioning, has received around 60,000 visits from **35,000 visitors**, slightly more than in 2020.

Throughout the year, the website published and disseminated **25** news items, sent 5 newsletters and handled more than 450 enquiries.

As far as social networks are concerned, the most notable figure can be found on **Instagram**, a network aimed especially at young people, doubling the number of followers thanks to new content and stories.

Currently, there are **3,800 followers**, twice as many as in the previous year.

The LinkedIn profile, the professional social network for executives and middle management, registered a similar trend, closing the year with **1,670** followers.

The number of followers on Twitter rose slightly to **6,600** and so too on Facebook with **1,890**.

During the year, coinciding with the holding of new events that enabled the production of attractive videos, the launch of the Tik Tok channel was confirmed, which it shares with the Ecopilas Foundation, with more than 250 followers.







**35,000** visits to Recyclia website

**6,600** followers

**3,800** followers

**1,670** followers

**1,890** followers

**25** news published on the website

**250** followers





## EVENTS

### PRESENTATION II RECYCLIA ANNUAL REPORT

#### **Trends in the electronic equipment and battery management industry in Spain**

The recycling of electronic waste (WEEE), batteries and accumulators is a sector with great potential for growth in our country, especially with regard to solar panels and lithium batteries from electric mobility, the volume of which will continue to increase in the coming years as a result of the decarbonisation process of our economy. This is the main conclusion of Recyclia's 2nd Annual Report 'Trends in the WEEE and battery recycling industry in Spain', presented

on 29 November at a meeting attended by Luis Pérez Bermejo and José Pérez, Chairman and CEO of Recyclia, respectively, and Emilio Ontiveros, Chairman of International Financial Analysts (AFI).

According to this second edition, the sector generated a Gross Value Added of 1.1 billion euros in our country in 2019, 15.7% higher than that generated in 2018. It also generated 15.8% more jobs, to reach 19,000, and contributed 176 million euros in tax revenue. These ratios define the sector and according to José Pérez, CEO of Recyclia, reflect "not only its growth, but also the robustness of a management model that demonstrates a high social value to move towards a circular and sustainable production model."

#### **Spain meets its targets**

With regard to WEEE, battery and accumulator management figures in Spain, the report analyses the latest available data for 2018 as a whole. Spain, in particular, managed 320,000 tonnes of WEEE, 11.6% more than in 2017 and the equivalent of 51% of the tonnes of electronic equipment placed on the market, thus exceeding the mandatory collection target of 45% set by the European Union. This ratio puts Spain ahead of countries such as Italy (39%), Germany (43%) or France (46%) and significantly above the European average (47%). With regard to batteries and accumulators, the report states that practically all of this waste was collected and treated within Spain. 240,000 tonnes were managed in 2018 alone.





### The impact of the pandemic

Recyclia's study also analyses the impact of the pandemic on the electronics and batteries market in 2020. 747 million appliances were sold last year, 1.8% more than in 2019 and the equivalent of 1,042,000 tonnes.

Similarly, the report shows that the market penetration of home appliances grew by 5.4%, driven by the increase in teleworking and home entertainment. Particularly noteworthy is the strong increase in monitors and screens (+27.4%), as well as small computer and telecommunications devices (+24.2%). In contrast, the demand for professional appliances decreased by 9.5% compared to 2019, mainly due to lower business activity and massive office closures. Of all devices placed on the market last year, professional devices accounted for 21.6%, 2.7% less than in 2019.

Manufacturers also brought 607 million batteries to market, weighing around 15,000 tonnes, an increase of 4.1% in terms of units, and 10% in terms of weight, compared to 2019.

### The waste of the future

Looking ahead, the report predicts that the growth of electric mobility and solar energy production facilities will open up a very important niche market in terms of recycling, economic impact and employment, and will require investment in dedicated plants to manage the expected volumes of waste.



Specifically, the study indicates that the annual volume of solar panel waste will reach around 30,000 tonnes by the end of this decade, when the first ones installed in 2005 are nearing the end of their useful life; a figure that contrasts with the 1,000 tonnes collected in 2019. It also predicts a significant upturn in lithium batteries for electric vehicles, which already account for 60% of all batteries on the market and will increase by around 30% per year during this decade.



## 6th RECYCLIA AWARDS

### 6th Recyclia Environment Awards - Awards for good practice: Recycling, transport and press, essential sectors

On 14 December, the Real Casino de Madrid hosted the sixth edition of the Recyclia Environment Awards, after its cancellation last year due to the health crisis. This edition has allowed Recyclia to recognise the efforts of the more than 140,000 workers in the waste collection and recycling sector in our country during the pandemic and, most importantly, the professionals who transport waste, in order to guarantee this essential activity.

As the Chairman of Recyclia, Luis Pérez Bermejo, said, "these awards take on special relevance and are the perfect finishing touch to a year of activity which, taking into account the circumstances facing us all, has required an extra effort from all of us."

The 6th Recyclia Awards went to the National Road Transport Committee and the Real Madrid Foundation, both in the category 'Greatest Support by a Public or Private Entity for the Promotion of Recycling'. The other award winners were the TRECE TV channel, the journalist Nicolás Pan-Montojo from El Ágora, the newspaper about water, and the businessman Guillermo O'Shea, Chairman of Indumetal Recycling.

With the award to the National Road Transport Committee, Recyclia recognises the importance of the logistics link in the waste recycling chain and, in particular, its contribution to maintaining this activity during the health crisis. The judging panel valued its responsiveness in adapting its infrastructure, adopting the necessary preventive measures to protect the health of its workers, once the lockdown was declared in 2020. The award was collected by its Deputy Chairman, Pedro Alfonsel.

In the same category, Recyclia honoured the Real Madrid Foundation's commitment to educating the new generations about respect for the environment and recycling, through its social-sports football schools project. The judging panel also valued the collaboration between the organisation and Ecopilas for the sustainability of the schools in Segovia and Seville. The Real Madrid ambassador Álvaro Arbeloa collected the award on behalf of the Foundation.

### Media Recognition

In the category 'Best Work by a Media Outlet to Raise Awareness of Recycling',

the 6th Recyclia Award went to TRECE TV, for





its news programme SOS Tierra (SOS Earth). The organisation recognised the interest of a generalist television station in giving space to environmental content in its news programme "Trece al día". The judging panel valued its rigorous, yet informative approach to issues such as the challenges of the growth of e-waste and batteries and household tips on how to ensure their recycling. The award was collected by José Luis Hornillos, deputy director general of TRECE TV, and Adrián

Naranjo, director of SOS Tierra.

In the category 'Best Work by a Journalist to Raise Awareness of Recycling', Nicolás Pan-Montojo, a journalist with El Agora, the newspaper about water, was awarded the prize for his article 'Removing waste and recycling in times of coronavirus.' Published in April 2020, he was among the first to highlight the essential work of recycling workers during the health crisis; a sector he describes as "invisible", but with an "indispensable social role."

Finally, the judging panel decided to award Guillermo O'Shea, Chairman of Indumetal Recycling, a special mention for his 40 years dedicated to the e-waste recycling activity, with special attention to the promotion of R&D&I and the development of new business models based on the circular economy. Indumetal Recycling was the first company in our country to implement a collection and recycling model for this waste in the Basque Country in the 1990s, thus becoming the benchmark for subsequent initiatives in other regions.





## GREAT SUCCESS OF THE SOLIDARITY INITIATIVE, "FOREST OF GRATITUDE FOR OUR ELDERS"

The presentation of the "Forest of Gratitude for Our Elderly" took place in May at the El Campillo Environmental Education Centre (CEA), located in Rivas Vaciamadrid. The event was attended by Mariano González, Deputy Minister for the Environment, Territorial Planning and Sustainability of the Community of Madrid; Luis del Olmo Flórez, Director General of Biodiversity and Natural Resources; José Pérez, CEO of Recyclia, and representatives of the distribution organisations participating in the campaign.

The 258 kilos of electronic equipment and batteries deposited by the people of Madrid in the Recyclia containers installed at more than 50 establishments of well-known commercial chains allowed the reforestation of an area of high biological value in the Southeast Regional Park, a protected natural area forming part of the Natura 2000 Network and interconnected



with other areas through the Green Arc of the Community of Madrid.

The reforested area was named "Forest of Gratitude for Our Elderly", in memory of the deceased members of the group most affected by COVID-19.

This is the result of the collection campaign of the same name that the environmental foundations, Ecofimática, Ecoasimelec and Ecopilas carried out during the months of June and July 2020, with the collaboration of the BricoDepot, Decathlon, Leroy Merlin and MediaMarkt chains.

For every kilo of electronics and batteries removed, a financial contribution was made to carry out this reforestation project, a forest that "not only honours the memory of so many elderly people who have died, in many cases without the comfort of their families, as a result of this terrible disease. It should also remind us that this pandemic is rooted in the human-induced disruption of ecosystems and that we have an inexcusable duty to protect nature, every day, in all our actions."





## CAMPAIGNS FOUNDATIONS



Together with the **ECOMAR FOUNDATION**, **Ecopilas** collected more than 1.9 tonnes of batteries from sailing clubs and schools during summer of 2021. In November, the Chair of Ecomar, Theresa Zabell, took the Stadium Cup to Recyclia to share with our organisation the annual presentation of this award. About to celebrate its 100th anniversary, the Stadium Cup is the oldest sporting award in Spain, which is awarded to the person or entity that has made a special contribution during the year to the promotion and encouragement of sport.

**Provincial Institute for Sport and Youth of the Provincial Council of Burgos (IDJ): Burgos schools collect 3.5 tonnes of batteries** - ECOPILAS

**Pupils from Real Madrid's 22 social-sports schools collect a tonne of batteries** - ECOPILAS

**The "A Coruña Recopila" campaign visits 40 municipalities in the province of A Coruña** - ECOPILAS

**Ecopilas celebrates European Mobility Week with GoTo** - ECOPILAS

**Sponsorship of Extremadura - Ecopilas and Areces Skating Club** - ECOPILAS

**Challenge Ciclista Mallorca, Vuelta a Asturias and the Women's Vuelta a Burgos** - ECOPILAS

**Vuelta a España, Adapted Descent of the Sella and Vuelta a Burgos** - ECOPILAS

**Spanish Tennis Championships, XVII Atapuerca International Cross, VI Escalona Running and the Formentera Half Marathon.** - ECOPILAS

**Telefónica International Volunteer Day** - ECOPILAS

**"Forest of Gratitude for our Elders"** ECOPILAS, ECOASIMELEC and ECOFIMÁTICA

**Recyclia launches a pilot campaign to give mobile phones a second life in Catalonia** - ECOASIMELEC

**Recyclia launches a new information campaign on Trece TV** - ECOPILAS, ECOASIMELEC and ECOFIMÁTICA





## JOINT CAMPAIGNS

**"Madrid has its point"** – ECOASIMELEC and ECOFIMÁTICA



**Valencian Community "Back to the shop", campaign with the Valencia Inland Consortium and the Campaign "With the 5 senses" – ECOASIMELEC and ECOFIMÁTICA**



**Valencian Community "Berto Zampapilas" (Valencian Community) – ECOPILAS**



**Valencian Community "RAEECIONA" promotes the prescriptive work of retailers in order to increase the recycling of appliances.** – ECOASIMELEC and ECOFIMÁTICA

**Valencian Community "Recycle your appliances" Bike-Informers – ECOASIMELEC and ECOFIMÁTICA**



**Galicia: "Pilabot" – ECOPILAS**







## COLLABORATION AGREEMENTS

***Ecopilas and AMBE will continue to work together to increase the recycling of electric bicycle batteries in Spain. – ECOPILAS***



***The Cádiz Football Club Foundation and Ecopilas ensure that the beaches of Cádiz are looked after by recycling batteries – ECOPILAS***

***Renewal of the agreement with León City Council to increase the collection of batteries – ECOPILAS***

***Ecopilas renews its collaboration with the Provincial Council of Burgos to promote environmental awareness among young people – ECOPILAS***

## ***Termination of the Collaboration Agreement with Ecolum***

At the end of 2021, Recyclia and Ecolum jointly decided to terminate the collaboration agreement that both entities had had in place since 2014 and which had culminated in an integration process in March 2017. The two entities adopted this decision in the belief that they had met the objectives they had set themselves in this process. Both entities also expressed the possibility of maintaining some kind of specific collaboration in the future.

***MotoStudent Project: Ecopilas collaborates with the University of Oviedo in the design of the efficient motorbike of the future – ECOPILAS***





CSR

**Real Madrid Foundation and Ecopilas renew their collaboration agreement for the eleventh season – ECOPILAS**



**Ecopilas renews its commitment to the Bobath Foundation to improve the quality of life of people with cerebral palsy – ECOPILAS**

**SUPPORTING GIRLS WITHOUT LIMITS, BY THE Inspiring Girls Foundation:** 'Girls without limits' A total of 30 students from the Jesuit school in Fregenal de la Sierra (Badajoz) participated in "Girls without limits: healthy and sustainable", an event organised by the Inspiring Girls Foundation, in collaboration

with Komvida and Recyclia, on 15 November. Janira Jori, Recyclia's Logistics and Suppliers Coordinator, attended the speed networking session in which the participating girls were divided among seven tables.

**THE SUMMIT IS THE WAY"** The presentation in Madrid of the documentary film camera 'The summit is the way', the first inclusive winter trekking of Amiab on Everest was a great public success in an afternoon of emotions. Recyclia was represented at the event, and its members were very pleased to have been one of the institutions that collaborated in the initiative, contributing our small grain of sand so that this team could achieve its great feat on the way to #Everest. The documentary reflects the story of three boys from Albacete with intellectual disabilities, Alejandro, José and Jesús, who join Alex Txikon's winter expedition project to the Himalayas.



## INTERNATIONAL

### SUCCESSFUL COMPLETION OF THE **EUROPEAN CIRC4LIFE** PROJECT

The pilot test of the first incentive system implemented in our country to increase the collection of small electronic devices, by means of smart containers, ended with the removal of 600 kilos of electronic waste, 10% of which will be reused.

This pioneering experience in our country has been coordinated by Recyclia and the waste management company Indumetal Recycling, responsible for managing the waste, both for recycling and reuse. It has been one of the four pilot experiences forming part of the European "CIRC4Life" project, the aim of which is to study the viability of new business models based on the Circular Economy.

Recyclia is the only Spanish collective system to participate in this project, which is financed by the Horizon 2020 program and coordinated by the University of Nottingham. 17 organisations from eight EU countries participate in CIRC4Life, including universities, research centres, processing plants, collective systems, private companies and NGOs.



On average, each user participating in the pilot experience, which ran from November 2020 to October 2021 in the Bizkaia municipality of Getxo, made five waste deliveries. In addition, there have been more than 1,500 downloads of the mobile application required to identify the user, enable the opening of the smart container door and receive the corresponding eco-credits as a reward.

In order to carry out the project, the organisations previously installed two roaming smart containers in three public buildings and three schools in Getxo, in collaboration with the town council.





## JOINT AWARENESS-RAISING EXPERIENCES, **AT THE WEEE FORUM**

The first General Assembly of the WEEE Forum 2021 was held online on Friday, 28 May. During the meeting, the activity report for 2020 was presented and the organisation's accounts were approved. In addition, a number of issues and legislative developments on waste were discussed. Recyclia was represented at the online meeting by its CEO, José Pérez García.

The Brussels-based WEEE Forum is the International Association of Producer Responsibility Organisations for Electronic Waste, which spans three continents. During 2020, it increased its scope with new members from Colombia, South Africa, Spain and Lithuania.

In collaboration with the WEEE Forum, Recyclia and its foundations have carried out different informative actions.

Throughout 2021, other activities have included the sharing of various interesting infographics on the recycling of mobile phones, TV screens and other WEEE, as well as the raw materials that constitute them and the importance of recycling them, through the social networks and websites of the organisations that make up the WEEE Forum.

In addition, at the WEEE Forum's General Assembly in December, Recyclia's director of strategic analysis and compliance, María Jesús Veleiro, remotely presented the results of the "Forest of Gratitude for Our Elders" campaign, in a session in which the members of the WEEE Forum shared success stories in awareness-raising.

Recyclia highlighted this example of collaboration with the electronics chain, which enabled the collection of 258 kilos of this type of waste and the reforestation of an area of high biological value in the Southeast Regional Park of the Community of Madrid.





## LIONS2LIFE: SECOND LIFE BATTERIES, A SUSTAINABLE SOLUTION FOR STORING PHOTOVOLTAIC ENERGY

The batteries of personal mobility vehicles (scooters, bicycles and electric motorbikes) can become a viable and sustainable solution for storing solar energy, which saves costs on electricity bills by committing to a Circular Economy.

This has been the main result of the European Lions2Life project in which researchers from the Polytechnic University of Valencia (UPV) have participated with the collaboration of the Energy Association of the Valencian Community (AVAESN), Recyclia, Erion and Mosaik UrbanSytems and which was presented after several months of implementation on 10 December 2021, at the facilities of La Pinada Lab in Valterna.

The Lions2Life team has designed and built this battery connected to the solar plant that supplies power to the Pineda facility and states that it is also necessary for such technology to be environmentally friendly, efficient in the use of natural resources and integrated as part of a circular economy scheme."

The event was attended by the Commercial and Institutional Relations Director of Recyclia, the entity through which ECOPILAS has supplied waste batteries from scooters, bicycles and other electric mobility vehicles for the development, testing and manufacturing of these new batteries, giving them a second life and making the most of resources and energy.

The participating organisations have developed a new battery made entirely from lithium batteries recovered from bicycles and electric scooters. Recyclia has been in charge of providing the batteries for this project, in cooperation with its Italian counterpart Erion. The environmental organisation has also contacted manufacturers and advised the project partners on the evolution of the electric mobility market, as well as on the management and flows of this type of waste.

Mosaik Urban Systems, from its Pinada Lab facilities, will include this battery in its offer to citizens seeking a sustainable life; while AVAESN is working with local councils and companies in the region to promote sustainable mobility services and energy solutions.





## INTERNATIONAL E-WASTE DAY, AT THE MEXICAN UNIVERSITY OF MONTERREY

In October, the CEO of Recyclia and general director of Ecoasimelec and Ecofimática, José Pérez, gave an online conference to the community of the UANL University in Nuevo León, Mexico, coinciding with the celebration of e-Recycling Week 2021, on the other side of the Atlantic.

The conference entitled "The recycling of electronic equipment in Spain and Europe. Regulations, practical experience and management models" could be followed on Facebook Live on the platform "UANL Sustentable" of the Autonomous University of Nuevo León, in the state of Monterrey.

## ACTIVE PARTICIPATION OF ECOPILAS IN EUCOBAT

Throughout the year 2021, Ecopilas has actively participated in both General Assemblies held by the European organisation EUCOBAT, as well as in a variety of working groups.

The first General Assembly was held remotely in April due to the circumstances of the pandemic. The second Assembly, considering the improved conditions resulting from the COVID-19 situation, could be held in a hybrid format where some members connected remotely, and other Eucobat members were able to meet again in Geneva in September,

coinciding with the International Congress for Battery Recycling held at the same time.

One of the main activities carried out by Eucobat, through its Policy Working Group, and in which Ecopilas has participated very actively, is the monitoring of the future legislation that will regulate the management of battery waste in Europe and its Member States, something that the European Commission has been working on for some time.

In 2021, Ecopilas will also be active in the Technical Group that has made recommendations for the correct management of the lithium-ion batteries that appear in waste electrical and electronic equipment.

As has been customary since its creation in 2021, a few days before the General Assembly, Ecopilas joined the European Battery Recycling Week, an initiative promoted by Eucobat and in which most of the members of the association participate, each in their own country.





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Orense nº 62, 28020 Madrid  
(+34) 914 170 890  
(+34) 915 550 362  
recyclia@recyclia.es



[www.recyclia.es](http://www.recyclia.es)



ecopilas) ecofimática) ecoasimelec)