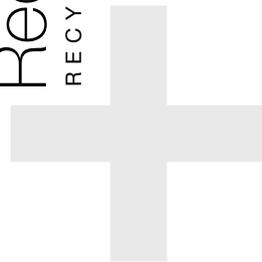


2022 RECYCLIA ANNUAL REPORT

# Recyclia Report22

RECYCLIA ANNUAL REPORT 2022



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RECYCLIA REPORT 2022



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## Here's to ten more years.



Luis Pérez Bermejo

CHAIR OF RECYCLIA

**D**ear friends, as I write this letter and take stock of Recyclia's work, I'm inevitably drawn to talk about uncertainty and, regrettably, for a further year, it seems that there are plenty of reasons to do so.

The return of war to Europe and the harsh humanitarian drama that has been unleashed by the invasion of Ukraine, uncertainty around its duration and its repercussions on the fragile international geopolitical balance join other unwelcome issues such as the deepening energy crisis, stresses along global supply chains and spiraling inflation with the highest rates for decades.

In short, 2022 was shaped by a complex and unstable global situation. However, projects such as ours, which are directly linked to the energy transition, the decarbonisation of the economy and sustainable mobility, took on a renewed sense of urgency and are now stronger than ever.

In 2022, at Recyclia we underscored our total confidence in the ability of our management model to fulfil our commitment to our member companies and Spanish society, and to successfully navigate a context that is both full of challenges and significant opportunities: the year of our remarkable tenth anniversary.

Modesty aside, our organisational structure (which is pioneering in Spain) that consists of several collective systems of expanded producer responsibility under one governing body, which has subsequently been adopted by other agents in this market, has enabled us to optimise the management of waste batteries and electronics in Spain by 30%.

This efficiency is what has enabled us to manage more than 64,000 tonnes of this type of waste in 2022, and increase our number of member companies to 1,610, thereby expanding our representation across all device categories.

Our third annual report on industry trends, which was presented last year, corroborates the flexibility and resilience of our management model and our contribution to helping our sector resume its path of growth after overcoming the disruption caused by the pandemic.

For this reason, it was deeply satisfying to close 2022 by celebrating our tenth anniversary and presenting our Environmental Awards, which we use to demonstrate our belief that research, dissemination and communication are highly powerful weapons for breaking down the barriers that make it difficult to change to a sustainable development model. These awards were held for the seventh time last year and the highly deserving winners included Domingo Jiménez Beltrán, whose loss has been deeply felt by all at Recyclia.

Therefore, I draw this letter to a close with the satisfaction of having fulfilled our objectives, and would like to emphasise that the best of this past decade has been you: friends and professionals in the sector who, within your areas of competence, have enabled us to overcome each new challenge. My sincerest thanks to all of you, with a special mention to the remarkable Recyclia team for sharing our goals, obstacles and dreams. Here's to ten more years!

## Strength, flexibility and resilience



José Pérez García  
CEO OF RECYCLIA

I'm delighted to have the opportunity to use this report to look back at what 2022 meant for Recyclia. As you are undoubtedly aware, 2022 was a very special year for us because we celebrated our tenth anniversary. When we created our management model back in 2012, a pioneering model in Spain that sets us apart in the waste management sector, we had no idea of the ten years that lay ahead.

Particularly the last few years, which have been marked by the unprecedented health crisis, Russia's invasion of Ukraine, a scarcity of raw materials, the energy crisis and inflation. These factors have forced us to carry out our work against a complex backdrop, to say the least, that is full of challenges. However, like all challenges, it has also taught us many lessons. One of the most important has been how inspired it was to create Recyclia, our greatest source of strength and the reason behind our well-proven resilience.

Over the past decade, not only have we optimised costs, we've also had the necessary flexibility to adapt our collective systems to the needs and trends of the market, significantly reducing the time required to take on managing new waste flows such as photovoltaic panels and electric vehicle batteries. The Recyclia model has also enabled us to increase our ability to engage in dialogue with government bodies and to generate R&D and quality employment.

The data gathered from 2022 clearly show how we have applied the lessons we've learned and how valuable it can be to follow existing paths to carry on succeeding in uncertain times and contributing to the fight against the climate emergency, the underlying challenge that is present alongside all those mentioned above, and no less relevant.

These data reveal that we managed 9,262 tonnes of batteries and more than 55,088 tonnes of electronic waste, 13% and 11% more than in 2021 respectively, also recording up to a 17% increase in collection requests compared to 2021.

These achievements have been possible thanks to the collaboration network between the public, government bodies, manufacturers, distributors, installers and managers that Recyclia aims to strengthen with each new year. Nor would it be possible without the talent and human quality of all the people who make up Recyclia, with a team of professionals and a Managing Board that is closely involved in the day to day running of our organisation.

Once again, my sincerest thanks to you all. We know that, together, we'll continue to learn lessons from challenges, reach ever-higher summits in our sector and maintain the distinguishing feature that has characterised us over the past decade and since our foundations began their work: our vocation for service and for contributing to the socioeconomic and sustainable development of Spain.

# 3.

## RECYCLIA PRESENTATION



# Recyclia Presentation

## RECYCLIA

Recyclia is the organisation that manages the Ecopilas, Ecofimática and Ecoasimelec collective systems for expanded producer responsibility. These foundations unite over 1,610 Spanish production companies. Recyclia is therefore the largest platform for selective collection and 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, whose Boards of Trustees choose directors to represent the interests of each foundation and sector.

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](#)

---

Benigno Martínez [Ecopilas](#)

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Ramón Campos [Ecopilas](#)

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Vidal Vicente [Ecofimática](#)

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Javier Pérez Yela [Ecofimática](#)

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# 4.

ABOUT US

About  
us

The three environmental foundations, Ecopilas, Ecofimática 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.



# “Give your batteries new life”



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

MEMBER  
COMPANIES

1,272

TONNES  
COLLECTED

Since 2014

48,812

COLLECTION  
POINTS

47,691

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 1,272 member companies, making it the leader in this sector in Spain with constantly growing business across the country.

Its extensive collection network, consisting of 47,691 containers at the end of 2022, 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 48,812 tonnes of used batteries and accumulators since the 2008 regulation came into force.



DID YOU  
KNOW?

Ecopilas has established the widest collection network for waste batteries in Spain with **47,691** collection points at the close of 2022.



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

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, Fundación Ecofimática 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 the legally established requirements set out in the current WEEE directive.

Ecofimática 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. The foundation makes it easier for these organisations to dispose of used equipment.

## Make an Impression on the Environment

MEMBER  
COMPANIES

16

TONNES  
COLLECTED

Since 2014

45,981

COLLECTION  
POINTS

27,276

Ecofimática has set up a major **network of collection points** that offers nationwide coverage, with **27,276 collection points** at the end of 2022.

DID YOU  
KNOW?

# “United by responsible recycling”



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

MEMBER COMPANIES

846

TONNES COLLECTED

Since 2014

286,769

COLLECTION POINTS

18,298

Ecoasimelec was set up in 2005 with the aim of assisting companies that manufacture and import electrical and electronic equipment to comply with the environmental obligations related to the publication of Royal Decree 208/2005. Ever since it was founded, Ecoasimelec has been a benchmark in Spain for the management of waste electrical and electronic equipment (WEEE), and it enjoys the trust of 846 member companies and notable representation across the sector in major segments such 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.

Since they first began operations, Ecoasimelec and Tragamóvil have managed more than 286,769 tonnes of waste electrical and electronic equipment, achieving a reuse and recycling ratio of over 85.5%.

DID YOU KNOW?

Ecoasimelec stands out for having a large number of member companies, with **846 members at the end of 2022.**

5.

RECYCLIA GENERAL INFORMATION

&gt;

# Recyclia General Information

Through the foundations that it governs, RECYCLIA has the most extensive waste electronics and battery collection network in Spain.

**The network currently has more than 93,000 points, enabling Recyclia to collect and correctly recycle more than 55,088 tonnes of waste over the past year.**





**SUMMARY OF KEY  
FIGURES FOR 2022**

55,088,324<sup>kg</sup>  
QUANTITY WEEE  
MANAGED BY THE FOUNDATIONS

93,265  
COLLECTION POINTS OF  
RECYCLIA FOUNDATIONS

9,261,875<sup>kg</sup>  
QUANTITY OF BATTERIES  
AND ACCUMULATORS MANAGED

1,610  
MEMBER COMPANIES  
IN 2022



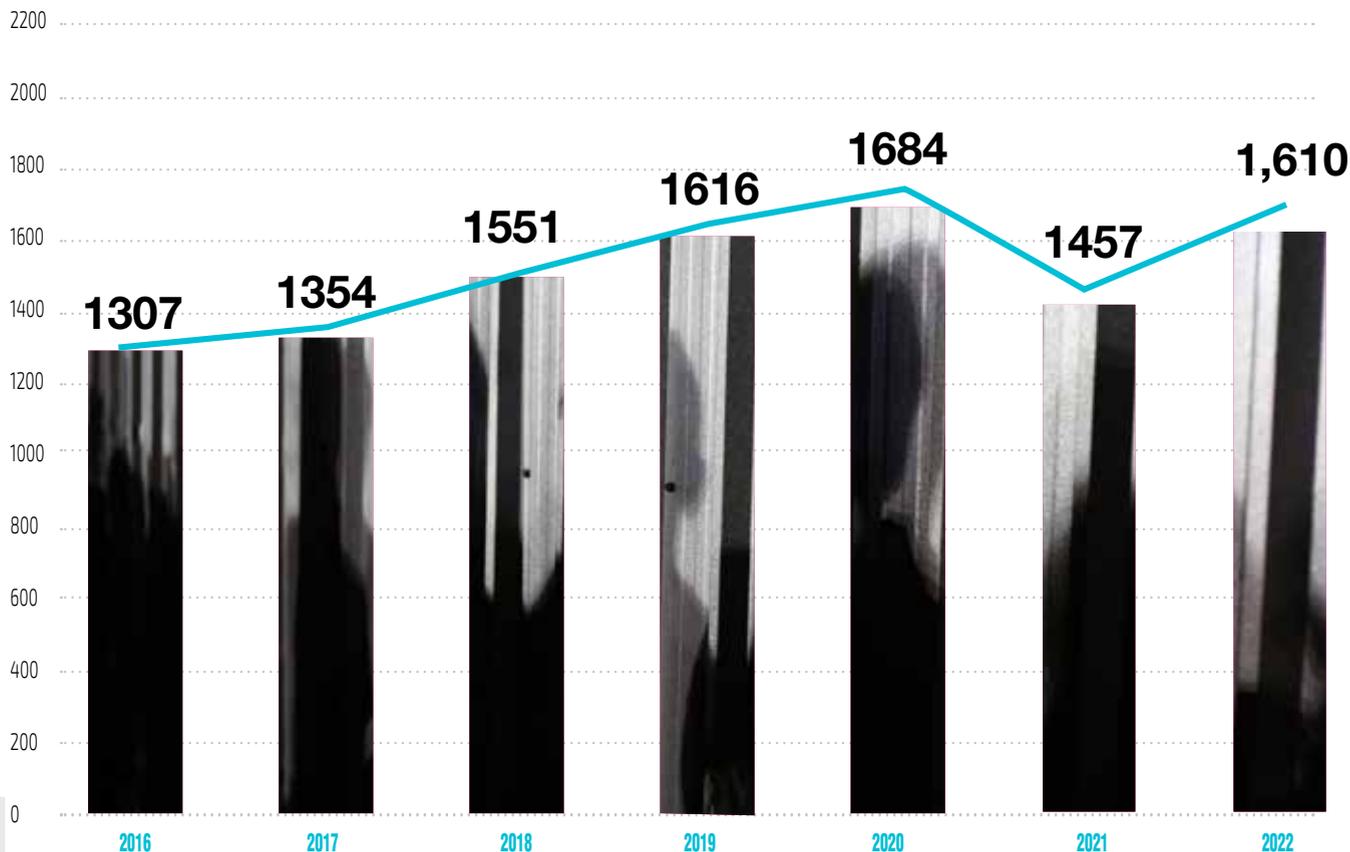


**MEMBER COMPANIES  
OF RECYCLIA  
FOUNDATIONS**

We continue to work hard to attract member companies, then guarantee that they comply with regulations and avoid unfair competition.

**MEMBER COMPANIES  
2022**

**1,610**





**COLLECTION  
POINTS OF RECYCLIA  
FOUNDATIONS**

**NEW  
COLLECTION  
POINTS IN 2022**

4,983

**COLLECTION POINTS OF  
RECYCLIA  
FOUNDATIONS IN 2022**

93,265

5.6%

Growth in the number of  
collection points in 2022  
compared to 2021





## QUANTITY MANAGED BY RECYCLIA FOUNDATIONS

**Kg managed by Recyclia foundations 2022**

QUANTITY OF WEEE  
MANAGED IN 2022

55,088,324

AMOUNT  
MANAGED  
**BATTERIES AND ACCUMULATORS  
IN 2022**

9,261,875

**Evolution of kg managed by Recyclia foundations 2016-2022**

*Quantity of WEEE managed*



## Evolution of kg managed by Recyclia foundations 2016-2022

*Quantity of Batteries and Accumulators Managed (kg)*

2016	<b>2,532,644</b>
2017	<b>3,032,995</b>
2018	<b>6,213,127.20</b>
2019	<b>7,223,006.50</b>
2020	<b>7,315,145</b>
2021	<b>8,191,220</b>
2022	<b>9,261,875</b>

13%

Growth in comparison  
to 2021



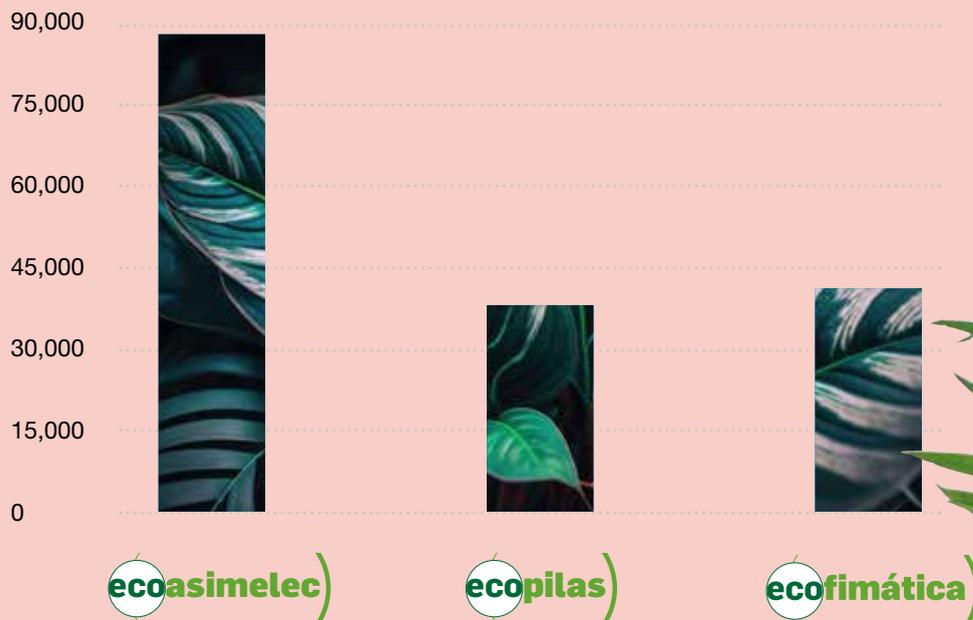


**NO. OF COLLECTION REQUESTS  
MADE TO  
RECYCLIA  
FOUNDATIONS 2022**

ECOASIMELEC 89,683  
 ECOPILAS 37,964  
 ECOFIMÁTICA 42,053

**TOTAL REQUESTS  
MANAGED  
BY RECYCLIA  
FOUNDATIONS**

169,700



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



6.

COMMUNICATION AND EVENTS

# 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 shared goal.

**Recyclia and the foundations it manages consider communication to be a key strategic tool in its work to raise public awareness.**

And just like that...our first decade passed.



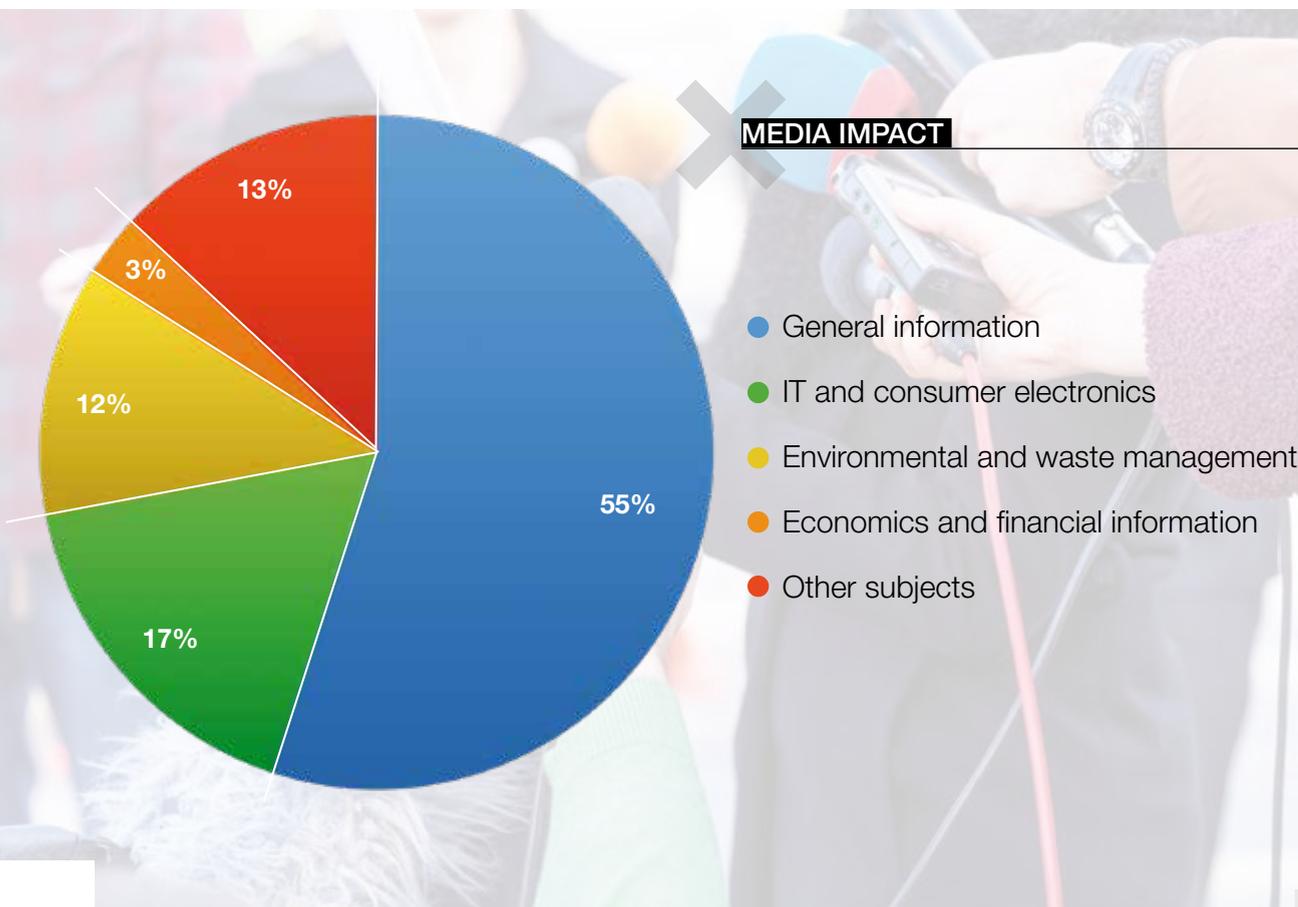


To quote our chair, Luis Pérez Bermejo, at the **7th Recyclia Environmental Awards in 2022** communication and dissemination are two extremely powerful weapons for breaking moulds and dismantling the barriers that make it hard to achieve a better quality of life for ourselves and future generations through sustainable development. That's why, since our foundations were launched, we've used both approaches as strategic tools for our work.

To be specific, in 2022 we contributed to an important milestone in terms of information and social communication by presenting, at the reinstated **EcoEncuentro** our third **Annual Report** on Trends in the WEEE and Battery Recycling Industry in Spain, giving socio-economic research the importance it deserves. For the seventh year, the Recyclia Environmental Awards were an opportunity to show our appreciation of the media and its professionals for their work at providing and distributing information.

In 2022, Recyclia's work to make information available had more than **1,600 impacts** in the press and on radio and television at a regional and national level. Most (55%) corresponded to articles published in the general media. Recyclia also recorded a significant presence in specialised IT and consumer electronics media (17%) and in environmental and waste management media (12%). Finally, impacts were also recorded in economics and financial media (3%) and media specialising in other subjects (13%), such as CSR, health, distribution and consumption, industry, logistics and sports.

In terms of these impacts, special mention should be made of the interviews held with Recyclia spokespeople and ABC and El Mundo newspapers, Cadena SER and Trece TV, among the audiovisual media, and La Voz de Galicia and Diario Médico, among the regional and specialist media respectively.





## RECYCLIA SOCIAL MEDIA AND WEBSITE 2022

Website visits remained high, particularly due to the campaign run with Leroy Merlin and recycling influencers (**over 100,000 views**) and also publications and information related to the 10th anniversary, the presentation of the Annual Report and the corporate video.

Number of website visits **68,731** by 38,976 visitors

News uploaded to website: 25

Newsletters sent: 9

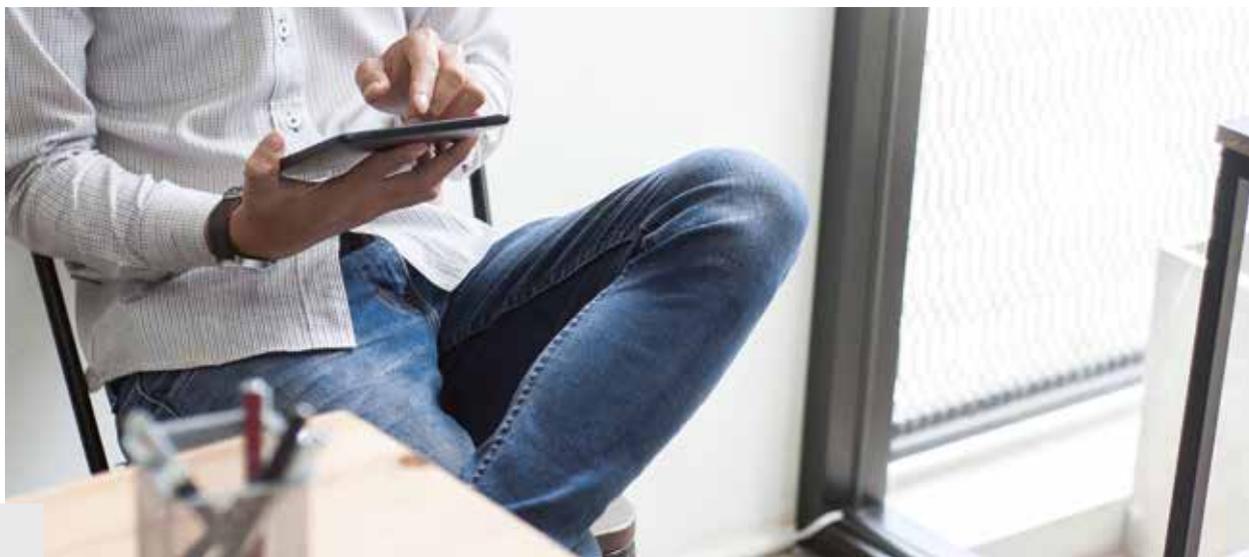
Queries related to operations, invoices, collection notifications and general: 370

The **Facebook (2,075)** profile saw a small amount of growth but less than **Twitter (6,809 followers)**, the most-followed network by information professionals and sector agents.

The networks that really took off in 2022 were **Instagram and LinkedIn**, which tripled their follower numbers, with **10,400 and 3,000** respectively.

Similarly, the **YouTube** video network, where Recyclia now has **600 followers**, also saw considerable growth.

In conjunction with the environmental foundations Ecopilas, Ecofímica and Ecoasimelec, Recyclia added more than **30,500 followers and achieved around MILLION** annual hits.



 **6,809**  
followers

 **10,400**  
followers

 **3,000**  
followers

 **2,075**  
followers

 **600**  
followers

**RECYCLIA  
WEBSITE  
VISITS**

**68,731**



**25**

news uploaded to  
website in 2022:

**A MILLION annual hits**

# events



## RECYCLIA CELEBRATES TEN YEARS AT THE 7TH RECYCLIA ENVIRONMENTAL AWARDS



In November, Recyclia presented its annual environmental awards. For the past seven years, these awards have recognised the work of people, organisations and media outlets who support sustainable development and, particularly, encourage recycling. The event was also an occasion to celebrate Recyclia's tenth anniversary.

The 7th **Recyclia Environmental Awards** honoured the University of Oviedo, for its research into new waste; Domingo Jiménez Beltrán, the first director of the European

Environment Agency; Spanish publication *IndustriAmbiente* and journalist María José Pérez-Barco who writes for the ABC Empresa supplement.

The jury particularly appreciated the collaboration between the University of Oviedo and the Recyclia foundations on a study run with the Mining Operation and Prospecting Department to find more advanced techniques to recover toner powder, and the Motostudent project to manufacture the most effective and least polluting electric engine on the market. *"Awards like this encourage us to keep following this path"*, stated Humberto Rodríguez, vice rector of Institutional Relations and Coordination at the University of Oviedo, who collected the award on behalf of the university.



Finally, the jury awarded a 'Special Recognition' prize to Pedro Poveda, a partner at the law firm Gómez-Acebo & Pombo and one of the most notable specialists in environmental law in Spain. He has been one of the "most outstanding professionals in Spain" working to defend the environment and fighting climate change in recent years.

The awards ceremony was followed by an event to celebrate **Recyclia's 10th anniversary**, which included a cake with candles and a corporate video that looked back at the milestones achieved over a decade of work and success.

More than a hundred attendees enjoyed a firmly ecological menu and received a memento of Recyclia's first ten years, a benchmark for effective and good work.





## PRESENTATION OF THE 3RD ANNUAL REPORT ON TRENDS IN THE RECYCLING INDUSTRY AT ECOENCUENTRO 2022

On Thursday 10 November, Recyclia celebrated a new **Ecoencuentro**, which returned to being an in-person event and was held in the Auditorio Rafael del Pino in Madrid.

The organisation was excited to hold the sector meeting again and, over the morning, discussions addressed the challenges of sustainability in the new world context.

Among the numerous attendees, special mention should be made of the outstanding conference given by Ángel Berges who outlined the details of the Spanish and European economies under the burden of the new energy crisis and financial markets.

Discussions also covered an in depth analysis of new legislation, online trade and energy storage.



The **3rd Recyclia Annual Report: Trends in the WEEE and Battery Recycling Industry in Spain**, was also presented at Ecoencuentro 2022 and was prepared by consulting agency AFI.



As Luis Pérez Bermejo, chair of Recyclia, stated in his speech, the waste electric and electronic equipment (WEEE) and battery sector is experiencing unprecedented growth in Spain, generating Gross Added Value of 1.23 billion euros in 2021.

This figure consolidates growth of almost 21% in the sector compared to 1.10 billion euros in 2019, resuming an upwards trajectory after being put off course by the pandemic in 2020.

In addition, the sector generated 21,300 full-time jobs in 2021 (+12.1% compared to 2019) and increased its contribution to the public treasury by 16.4%, increasing from 176 million euros in 2019 to 205 million euros in 2021.

As José Pérez, CEO of Recyclia, explained at EcoEncuentro, *“these figures demonstrate the robust nature of the collective system management model. The growth we’ve*

*experienced strengthens our position in the green economy but also enables us to become an ever more important part of the national economic framework due to our ability to generate employment. As well as being hugely satisfying,” Pérez concluded, “these data should be viewed as highly interesting in an economic context that, as well as being uncertain, is searching for new models and economic policies under the pressing need for sustainability.”*

### **Sociological aspects**

The third Recyclia Report explored different sociological aspects of recycling for the first time, and showed that education level is a highly influential factor. In fact, it suggests that a 1% increase in the population with higher education leads to growth of 0.63 points in the recycling rate.

According to the Recyclia report, the boom in micro-mobility and electric vehicles, the photovoltaic sector and opportunities offered by Next Generation funds are also clear factors that drive growth in the sector. With regard to electric vehicles, in addition to electric cars, a

surge in the use of urban electric bicycles and MTB, scooters and motorbikes significantly affects the waste flow of their batteries.

Growth in the flow of this type of waste presents the sector with the challenge of innovating the technology to optimise how this waste is processed. In this regard, it is important to mention that Ecopilas is involved in the Batraw project which is financed by funds from the Horizon Europe programme.

In terms of the photovoltaic market, installed power in Spain is predicted to exceed 20 GW this year. If growth in this type of installation continues to grow in both ground-mounted farms and self-consumption, 39.7 GW may be reached by 2030, the objective set by the National Integrated Plan for Energy and Climate.

Finally, the report identified Next Generation European funds as a factor influencing growth in the sector. It also pointed to the MOVES programmes, which are linked to electric mobility, and programmes that encourage renewable energy self-consumption and storage.



## 4th NATIONAL CONGRESS OF WEEE MANAGEMENT BEATS ATTENDANCE RECORDS



After being put on hold for two years due to the health crisis, the electronic recycling sector in Spain met, with over 370 participants, on 22 and 23 September for the fourth National Congress on Waste Electric and Electronic Equipment (WEEE) Management under the slogan 'Committed to the Environment'.

All participants agreed on the strategic contribution of the collective systems to the development of national and community policy on the Circular Economy due to its environmental benefits and because it reduces dependence on the supply of raw materials.

The congress was organised by the main collective systems that operate in Spain, including the foundations Ecoasimelec and Ecofimática, with collaboration by the General Directorate for Climate Change and Environmental Education at the Government of Aragón.

José Pérez, CEO of Recyclia, was responsible for closing the 4th National Congress on behalf of all the SCRAP. He was joined by Joaquín Olona Blasco, a minister for the Government of Aragón, and after presenting the main conclusions of the congress, he announced that the fifth congress would take place in Barcelona.

Gabriel García, director general of Recyclia, and Pedro Poveda, secretary of several of the Recyclia foundations, also participated in the congress.



## Ten years as a model of efficiency and responsibility

Recyclia, the organisation that governs the Ecoasimelec, Ecofimática and Ecopilas foundations, had an energetic start to 2022 and was committed to consolidating its efficient, responsible model, created exactly ten years earlier.

### 2ND 'SUSTAINABLE DIGITALISATION' CAMPAIGN

Following the success of the first 'Sustainable Digitalisation' campaign, which succeeded in gathering 4,692 devices and components from IT equipment during 2021, Fundación CEOE and SCRAP in the electronic recycling sector, such as Ecoasimelec and Ecofimática, began the year by presenting the second round of this initiative.

Thanks to charitable donations by over 60 companies and individuals across Spain, 2,594 devices were collected that will be reused by people with limited access to technology and distributed via 40 collaborating NGOs.

The devices will be used to respond to requests made by schools and training



centres, non-profit residences for the elderly, organisations that help those at risk of social exclusion and other people and groups who need them.

### SYMPOSIUM "NEW DEVELOPMENTS FOR A CIRCULAR ECONOMY"

The 20th Materials Conference was held on 24 February at University Carlos III in Madrid. This symposium was attended by organisations, businesses and professionals who met to present their new developments in environmental and waste management issues under the slogan "New Developments for a Circular Economy".

Recyclia participated with a speech by its CEO, José Pérez García, in which he presented "The successful example of Recyclia and waste management."

Recyclia was also present at an exhibition held in the university buildings where some of the foundations' containers were put on display with information about their work.



One of the most important containers was the smart container developed by Recyclia and Indumetal as part of the Circ4Life international project, which invited students to dispose of any WEEE they had at home.



## TOGETHER WITH FENIN at the EXPODENTAL FAIR

The Expodental Fair was held at IFEMA from 24 to 26 March, and is a professional congress promoted by the Spanish Federation of Health Technology Businesses, FENIN. It was an opportunity to see the latest developments and solutions for comprehensively fitting out dental clinics and laboratories.

Like last year, during the congress the guide created in conjunction between FENIN, Ecoasimelec and Recyclia: “Correctly managing waste electric and electronic equipment and batteries: the health technology sector” was distributed among visitors to inform companies in the dental sector about their role in correctly managing waste electric and electronic equipment and batteries.





## INFLUENCER CAMPAIGN WITH SUPPORT FROM LEROY MERLIN

Fundación Ecoasimelec and Leroy Merlin jointly organised a public awareness campaign that aimed to make people aware of the environmental benefits of repairing or recycling devices, such as electric tools, when they reach the end of their useful life. Messages were posted on the YouTube channels of electronics and DIY experts and influencers: Bricocrack, Rocha KRG and Domoelectra.

Leroy Merlin succeeds in recovering large amounts of waste for recycling each year, around 92% of the waste generated in stores.

Its 126 points of sale have multi-containers managed by Recyclia so that customers and partners can recycle batteries, portable batteries, lightbulbs and, of course, electric and electronic equipment,

The information videos shared by Bricocrack, Rocha KRG and DomoElectra, who together have over two million subscribers on their YouTube channels, were viewed over 100,000 times in just a few days.



## AGREEMENT WITH INTA

In spring, the National Institute of Aerospace Technology (INTA), under the Ministry of Defence announced it had chosen the Recyclia foundations to manage waste electronic equipment and batteries from the organisation's 15 centres in Spain. The two organisations signed a collaboration agreement that will see Recyclia install containers so that this waste can be disposed of and collected by the environmental foundations Ecoasimelec, Ecofímica and Ecopilas.

According to the agreement, Recyclia will also provide INTA with access to the online management platform that can be used for waste removal and to access detailed information about its traceability, from collection to storage and delivery at a treatment plant. Recyclia will also publish activity reports and certificates related to the correct environmental management of waste, and supply information materials about management procedures to INTA employees.

Finally, the agreement covers the possibility of both organisations running joint public information and awareness campaigns.



## Participation in Sector Forums

During the second half of the year, Recyclia was intensely involved in key forums held on renewable energy and electric mobility, plus professional assemblies and conventions by manufacturers and installers.



Specifically, the **9th Solar Forum**, the leading event in the photovoltaic sector in Spain, which was held on 5 and 6 October and was attended by Gonzalo Torralbo, sales director and director of Institutional Relations at Recyclia.

In addition, on 26 October, Gabriel Garcia, director general and director of Operations, took part in the Ordinary General Assembly of **ABITEL** (Biscay Association of Telecommunications Providers and Installers), which is currently immersed in developing a Single Plan for refurbishing homes and



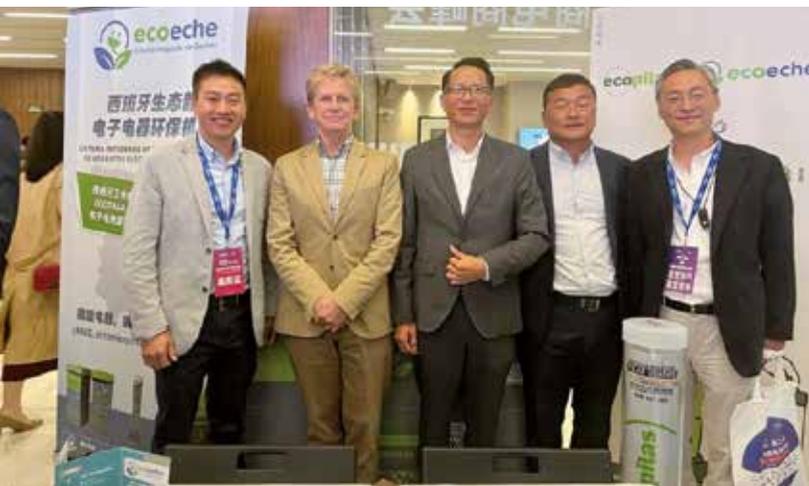
updating their telecommunication structures.

On 27 October, Recyclia also attended the Congress of Members of **AMBE** (Spanish Association of Brands and Bicycles) – a partner of the bicycle sector, and the Amiab awards ceremony, which coincided with the organisation's 35th anniversary.

Finally, on 29 October, Recyclia, and



particularly Ecopilas, were represented at the convention organised by the Ecoeche collective system that provides consultation services to Chinese companies and importers on how to comply with their obligations in terms of managing waste electronics and batteries in Spain; the Ecopilas foundation has recently signed a collaboration agreement with its representatives.



## STAND AT CONAMA

In November, Recyclia attended the **CONAMA** environmental fair with its own stand. The fair was opened by minister Teresa Ribera and was visited by hundreds of people who learned about our foundations and the projects in which they are involved, with a particular emphasis on the **BATRAW PROJECT EU**.

Finally, in December, María Jesús Veleiro, director of Strategic Analysis and Compliance, took part in a round table at a forum that brought together the main Spanish telecommunication installation companies: **TELCOM2022** organised by the Federación FENITEL. During her speech, she encouraged everyone to support Recyclia's work, and to work together for a future that is both sustainable and digital.

# own campaigns

## WITH ECOPILAS

The 13th Mallorca Cycling Challenge, Formentera 1/2 Marathon, seventh Maó 10-mile and 5-mile races and 9th Formentera Triathlon.



“Charge your Batteries” project and school visits with Grupo Tempel.

Sponsorship of the Extremadura-Ecopilas MTB cycling team.

Sponsorship of the National Rugby Schools Festival and Autumn Tournament in Pozuelo.

Sponsorship of the 3rd National “Flor de Lis” Horse Trial and Ecopilas Players basketball team (Liga Free Basquet).

Support for Escalona Running in Toledo.



Collaboration with Fundación BIOPARC and the MUNTANYA DE PALMA FILM FESTIVAL.

Collaboration with the Tour of Asturias cycling race

“PONTEVEDRA COLLECTS” campaign

LA VUELTA A ESPAÑA bicycle race saw cycling fans dispose of 4,148 kg of batteries in containers that Ecopilas installed at the start and finish lines of the 21 stages of the race; Ecopilas has collaborated with the bicycle race since 2011.





International Descent of the Sella.

Adapted Descent of the Sella.

Collaboration with Fundación Ecomar and Fundación del Cádiz Football Club to clean the sea and beaches.

Revival of the 'ECOPILAS FOREST' initiative in San Fernando, Almadén, Murcia and Lanzarote.

Support for Fundación FUNVIBA.

Collaboration with the SOCIAL-SPORTS SCHOOLS OF REAL MADRID in Segovia, Seville and Mazarrón (Murcia).



Sponsorship of the Wolfst Uniovi team, the team behind the development of the first racing electric motorbike in Asturias.

**With ECOASIMELEC AND ECOFIMATICA**

**BENEFIT CONCERT FOR UKRAINE.**

**ELECTRO-IMAGING CONGRESS FOR WEEE in Aragón and La Rioja.**

**Presence at EFICAM Fair and ASELEC Installer Day**



# joint campaigns

## ECOFIMATICA AND ECOASIMELEC together with other SCRAP

WEEE Agreement with FAEL, other Scraps and Recilec, **BROTHERHOODS OF EL ROCÍO WEEE MANAGEMENT** Publicity Campaign and Science Fair.

**'WEEE-CLM'** and **'You have the key'** WEEE Collection campaigns in Castile-La Mancha

Third **GIVE LIFE TO THE PLANET** campaign.

**Recycling with the Five Senses** in Valencia



SECOND **'RECYCLE THEM AS THEY DESERVE'** in Catalonia.

**"O QUE SE ENCHUFA RECÍCLAXE"** campaign in Galicia.



## ECOPILAS with other SCRAP

**PILABOT** in Galicia.

**APILO XII**, Catalonia.

**BERTO ZAMPAPILAS** in Valencia.

**RECYCLE YOUR BATTERIES** in Andalusia



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## IMPORTANT DATES AT WEEE FORUM

The first **General Assembly of WEEE Forum of 2022** was held online at the beginning of May. The main studies, projects and initiatives that would be developed during the year were presented at the assembly, when the European organisation also celebrated its 20th anniversary. WEEE Forum is a non-profit organisation that brings together 46 WEEE producer responsibility organisations from across Europe and Canada, India and Africa.

A few months later, in September, Recyclia also attended the 2022 General Assembly of WEEE Forum that was held in person for the first time in almost three years at the main offices of French management system Ecosystem in Paris.

Members of WEEE Forum, who include our Spanish colleagues Ecolec and Ecotic, addressed a variety of issues such as repairing household electrical appliances in Ireland, treatments to fireproof batteries, EU WEEE collection objectives and other projects and matters that are directly related to electronic recycling across Europe.



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Our colleague Evaristo Garcia presented the CIRC4Life project at the Assembly; Recyclia is involved in this innovative project related to the circular economy from Spain.

José Pérez, CEO of Recyclia, and María Jesús Veleiro, director of Strategic Analysis, attended the meeting in person.

In October, WEEE Forum was the driving force behind **International E-Waste Day 2022**, held to provide information and raise awareness about the importance of managing WEEE correctly to achieve environmental sustainability and the development of the circular economy.

The event attracted hundreds of companies interested in electronic waste from around the world and promoted the suitable processing of electric and electronic equipment so that it can be reused, repaired or recycled. This year, it focused on small electronic devices that are no longer used but are kept in drawers and cupboards, or even thrown out with the general waste.

Finally, on Wednesday 7 December, the EPR Grand Challenge conference was held in Brussels. It was also organised by WEEE



Forum and attracted international experts to an intense conference that addressed the worldwide challenge presented by electronic waste and the scarcity of rare-earth elements. José Pérez García, CEO of Recyclia, took part in the conference.

WEEE Forum also turned 20 in 2022 and, after the conference, it celebrated its anniversary with a dinner attended by EU representatives, former WEEE Forum chairpersons and senior management, and current representatives from most European Countries.

The following day, a new WEEE Forum General Assembly was held and the studies, projects and initiatives from 2022 were presented.

If you drop off your broken appliances at an official collection point, they will be properly recycled:





## MEETINGS AND EVENTS WITH **EUCOBAT**

The first **EUCOBAT General Assembly** was held on 18 May; Ecopilas is a member of Eucobat and followed the meeting from Madrid via videoconference. One of the main activities carried out by Eucobat, through its Policy Working Group, in which Ecopilas actively participates, is monitoring future legislation that will regulate the management of battery waste in Europe and its member states.

Last year, Ecopilas also significantly contributed to the Technical Group that has made recommendations for the correct management of lithium-ion batteries that result from waste electrical and electronic equipment.

Similarly, Ecopilas celebrated European Battery Recycling Day at the starting line of the 19th stage of La Vuelta a España bicycle race, which was contested in Talavera de la Reina.

European Battery Recycling Day was started by Eucobat in 2015. Eucobat is an association that unites the most important collective systems across Europe; Ecopilas is a founding member and the only Spanish representative. On Battery Recycling Day, and during the whole week, Eucobat members intensify their work to provide information and raise awareness using their social networks.

To coincide with the start of the first stage in Utrecht (Holland), the Ecopilas CEO invited his Dutch colleague from the Stibat system to take part in the 'Action for Recycling' that we perform at a large number of the cycling race stages.





## EUROPEAN PROJECTS

Following the success of the Cir4life and Lions2Life projects, Recyclia is actively participating in the European projects BATRAW, FREE4LIB and Circular TwAln, and the BATERURGIA project signed with the CDTI and Spanish partners.

The **BATRAW project** aims to maximise acceptance and market impact through an ambitious Communication, Dissemination and Operations plan that includes circular business models, innovation workshops, dissemination on EU platforms, policy reports and other strategies to reach the markets and interested parties.



The results of BATRAW are of great strategic importance in view of the EU battery market, which is growing exponentially, and of the need to reduce the EU's dependence on importing critical raw materials. The project will further promote general sustainability and the circularity of products from batteries and raw materials.



Finally, the **FREE4LIB project** aims to develop six sustainable and efficient processes for recycling lithium ion batteries at the end of their useful life by creating technology with a technology readiness level (TRL) of between 5 and 6: dismantling, pre-treatment and four material recovery processes.

Circular Twaln is a project that will break down barriers so that all interested parties in circular value chains of the manufacturing and process industries adopt and make full use of reliable Artificial Intelligence technology, enabling sustainability from one end to the other i.e. from designing ecological products to making full use of their waste throughout the circular chain.

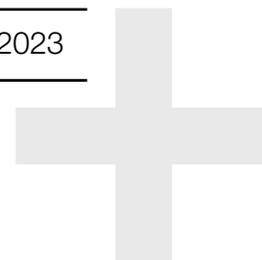
Finally, the **BATERURGIA project** involves “research into advanced recycling technology to obtain strategic metals from EV batteries”. Its objective is to respond to the challenges presented by recycling LIBs and contribute knowledge to solve problems related to selectively recovering and separating critical metals for their use in manufacturing new batteries, or replacing conventional raw materials and entering other production sectors, such as alternative raw materials.

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