

ECOPILAS
ANNUAL
REPORT

2019





FUNDACIÓN para la Gestión
Medioambiental de Pilas

INDEX

ECOPILAS **ANNUAL REPORT** / 2019

04

1/ LETTER FROM THE CHAIR_

06

2/ ABOUT US_

10

3/ COMPANIES AND SECTORS_

12

4/ 2019 FIGURES_

18

5/ ECOPILAS OPERATIONS_

26

6/ COMMUNICATION AND EVENTS_

40

7/ SOCIAL COMMITMENT_

44

8/ INTERNATIONAL_

01_

LETTER FROM THE CHAIR/



José Pérez García
CHAIR OF ECOPILAS

Since American John Goodenough invented the lithium-ion battery forty years ago, leading to the creation of laptops, smartphones and other devices that are now essential to daily life, numerous companies have launched into a race to develop powerful, highly durable and safe energy units.

Calcium, fluoride with liquid or hydrogen components, or the case of the automotive industry, are just some of the most recent developments, but this accelerated rhythm of innovation mustn't prevent us from seeing the other side to this progress: the environmental challenge represented by the generation of such a high volume of battery waste with such varied compositions.

Fortunately, today there are many agents in the Spanish and European battery and accumulator industry who are committed to closing the life cycle of these products and ECOPILAS is one of the most important and celebrated around the world. This is demonstrated by the results detailed in this annual report that correspond to work by the environmental foundation in 2019 and it gives me great pleasure to present these figures for a further year.

In general terms, our work in 2019 translated into managing 7,223 tonnes of all kinds of batteries and accumulators -portable, industrial and automotive- a 16% increased compared to 2018. Of this volume, 3,311 tonnes were domestic batteries, equivalent to 45.84% of batteries commercialised last year. Thanks to these figures, since it began its operations in 2008 to 2019 ECOPILAS has managed almost 37,000 tonnes of batteries of all types.

FULLY COMMITTED TO MAKING RECYCLING EASIER FOR THE GENERAL PUBLIC

Furthermore, the foundation continues to broaden its representation in the Spanish market with 1,074 member companies of the foundation, almost a 20% increase compared to

last year. In addition, we continue in our commitment to making recycling easier for the general public, bringing collection points closer to people by establishing the widest network in Spain and one of the widest in Europe. In 2019 alone we installed 3,627 new collection points, 10% more than in 2018, expanding our network to 40,945 points.

All this has been possible thanks to the intense, tireless communication and awareness work that will be described in detail in this report. This work aims to promote battery recycling among numerous professional, social and institutional groups and the general public, and in 2019 our activities earned us several awards.

Therefore, for a further year I would like to take this opportunity to offer my sincere thanks to our member companies, the Managing Board, all other agents in the sector (processors, logistics chain, distribution channel, etc.) and the general public for placing your trust in our management model and the human team that forms ECOPILAS. Many thanks for contributing to consolidating our foundation as the best solution for achieving sustainability in our environment.

02_

ABOUT

US/

ECOPILAS

➤ **Ecopilas, a non-profit foundation**, was created in 2000 by the leading battery manufacturers and importers for the correct environmental management of waste batteries across Spain.

It is defined by current legislation as a collective system of expanded producer responsibility, dedicated to manufacturers, importers and distributors, for the environmental management of waste batteries.



Ecopilas has over 1,074 member companies and is the largest collective system in Spain for portable batteries, industrial batteries and electric vehicles; it is a benchmark in Spain and around the world as a management model for waste batteries.

One of the keys to achieving the foundation's aims has been Ecopilas' operation to establish the largest collection network for waste portable batteries in Spain with over 40,900 collection points to date. As a result, the foundation has been able to process over 37,000 tonnes of used batteries.

Do You Know?

ECOPILAS HAS ESTABLISHED THE WIDEST NETWORK OF PORTABLE BATTERY COLLECTION POINTS IN SPAIN WITH OVER 40,900 COLLECTION POINTS TO DATE, WITH THE RESULT THAT OVER 37,000 TONNES OF USED BATTERIES HAVE BEEN CORRECTLY PROCESSED.



BOARD OF TRUSTEES



The Board of Trustees is the foundation's governing body. It is comprised of representatives from battery manufacturers, battery-powered electrical device manufacturers and representatives from the distribution sector.

Its key functions include approving the foundation's budgets, modifications to its bylaws and setting the tariffs that are applicable to the different types of battery placed on the market by member manufacturers.



STRUCTURE OF ECOPILAS BOARD OF TRUSTEES

CHAIR

José Pérez García

Ecopilas

MEMBERS

Andreu Vila Ramos

FUNDACIÓN ECOTIC

Idoia Marquiegui

ANGED

Benigno Martínez González

SAFT BATERÍAS, S.L.

Jaime Corderas Vilaró

Panasonic España, Sucursal de
Panasonic Marketing Europe GmbH

Ramón José Campos García

IMPREX EUROPE, S.L.

SECRETARY

Non- trustee

Gonzalo Torralbo Pérez

Ecopilas

03_ COMPANIES AND SECTORS/

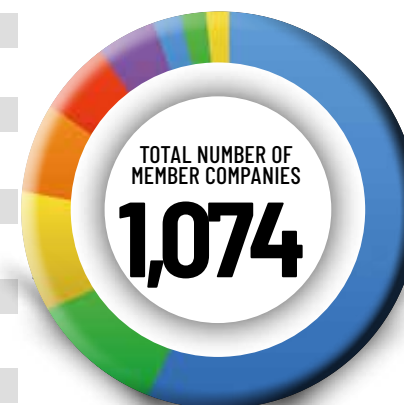
COMPANIES AND SECTORS



At 31 December 2019, Ecopilas had 1,074 member companies. This figure represents a variety of sectors in which these members operate. The most significant sector is the consumer electronics, telephone and IT sector (57%), followed by the battery and accumulator sector (11.1%); the electromedicine sector (9%); the toy, leisure, sports and personal care sector (6.7%); the small household appliance, lighting and electric material sector (5.4%); the professional and industrial sector (4.3%); the distribution sector (2%); telecommunications and radiocommunications (1.8%) and, finally, office IT equipment (1.67%).

11

%	SECTORES	Nº OF COMPANIES
57.26%	CONSUM. ELECTR./TELEPHONE/IT	615
11.17%	BATTERIES AND ACCUMULATORS	120
9.49%	ELECTRO-MEDICINE	102
6.7%	SMALL HOUSEHOLD APPLIANCES/HARDWARE/DIY/ELECTRICS	72
5.4%	TOYS/LEISURE/SPORTS	58
4.37%	PROFESIONAL/INDUSTRIAL	47
2.04%	DISTRIBUTION	22
1.86%	TELECOMS AND RADIOCOMMUNICATIONS	20
1.67%	OFFICE I.T	18
	TOTAL	1,074

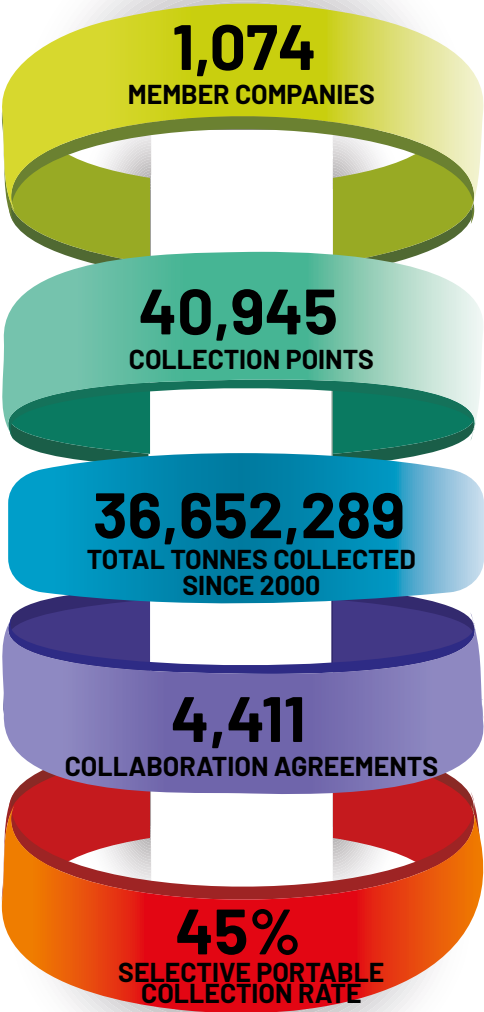


¿Did you know?

ECOPILAS REPRESENTS MORE THAN 1,100 BATTERY COMPANIES, MANUFACTURERS AND IMPORTERS FROM VERY DIFFERENT FIELDS OF ACTIVITY.

04_ 2019 FIGURES/

SUMMARY
OF KEY FIGURES

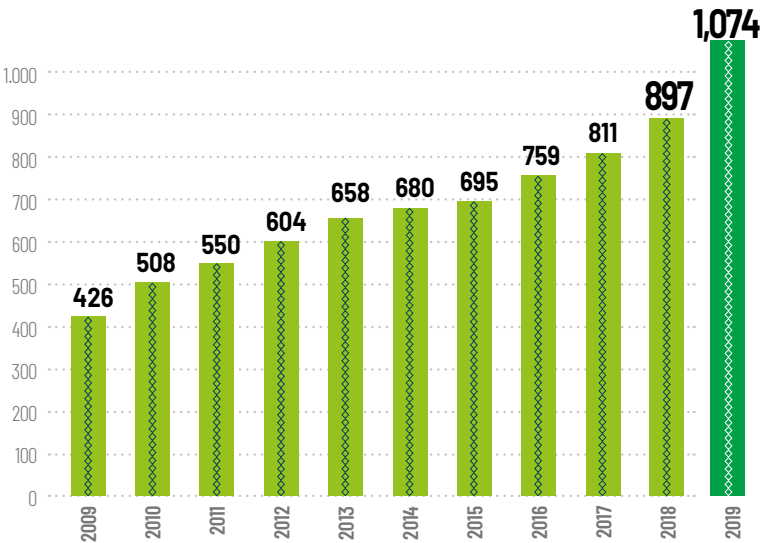


MEMBER
COMPANIES



The 20% increase in Ecopilas member companies in 2019 demonstrates the trust placed in our organisation by battery producers and our leadership in the sector.

Furthermore, a trend for growth in the number of collection points in the Ecopilas network is also increasing. In 2019 the foundation reached 40,945 collection points, 9% more than the previous year. This was partly due to the computerisation of the container request process through the Ecopilas website.

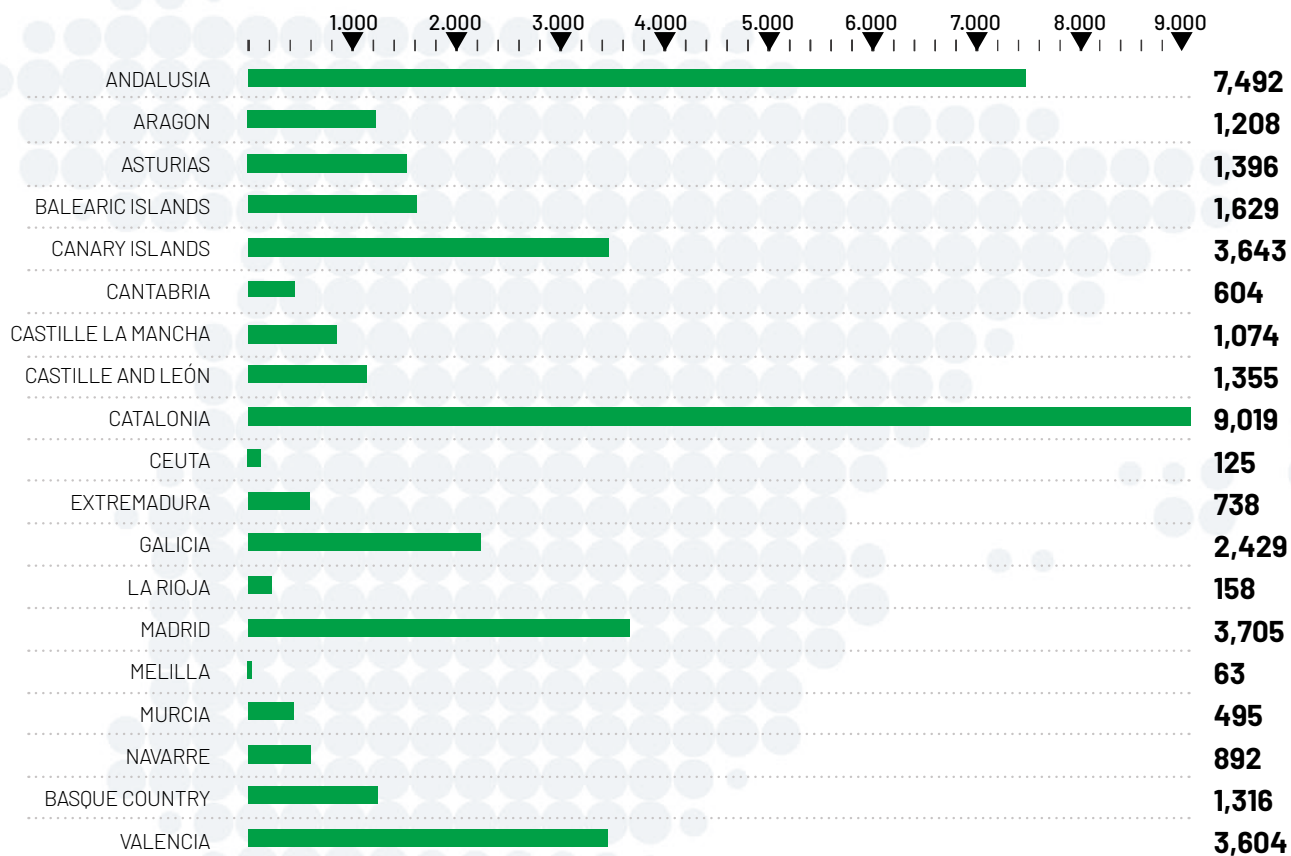


COLLECTION POINTS BY AUTONOMOUS COMMUNITY



Ecopilas' main aim is to have a collection network that is accessible and close to the public. One of the most important tools it uses to achieve this objective is a collection points search tool on the **www.ecopilas.es** website that can be used to locate the nearest public battery collection point.

14

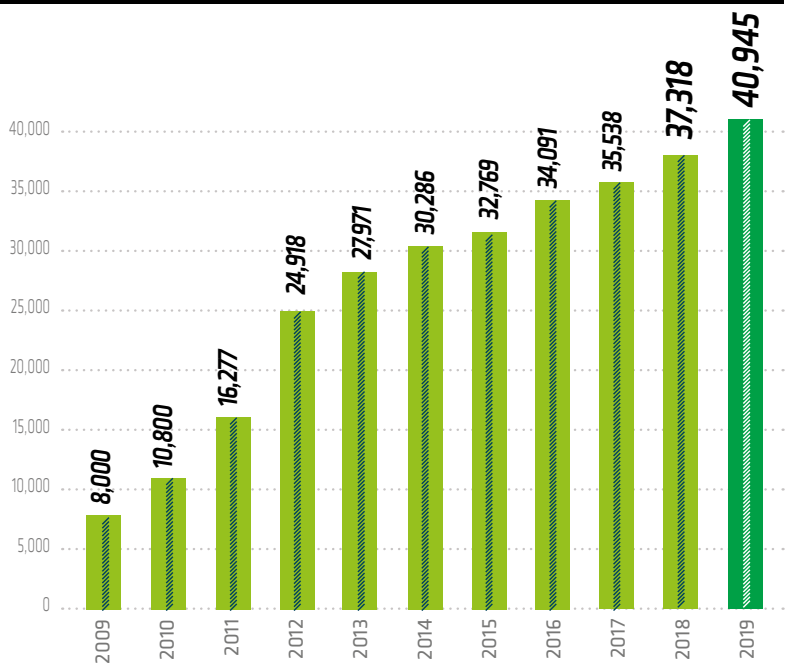


TOTAL COLLECTION POINTS

40,945

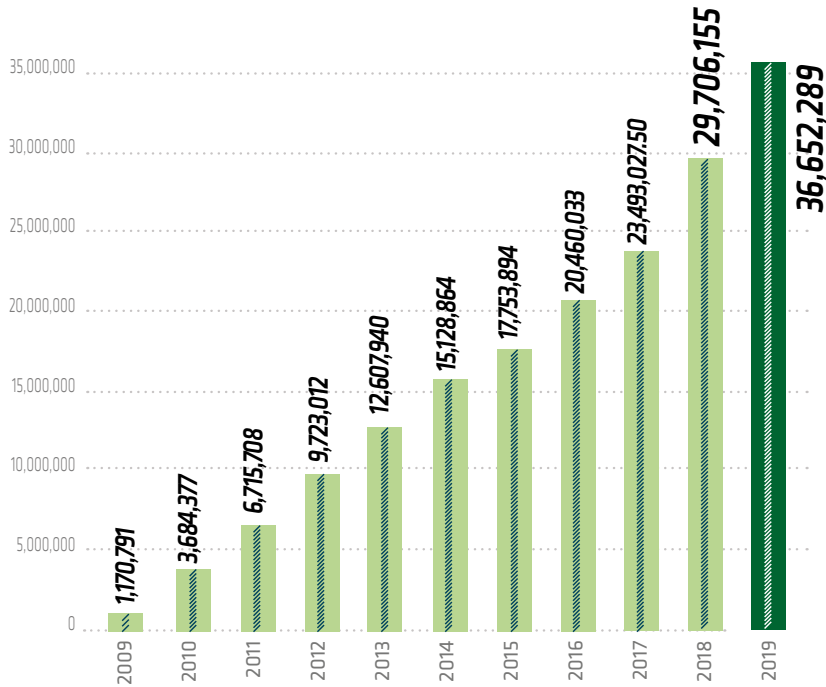
GROWTH OF
COLLECTION POINTS

» The Ecopilas battery collection network is the second widest in Europe with over 48,300 containers at 40,945 collection points distributed across Spain



AMOUNT
COLLECTED
CUMULATIVE 2009-2019

» In 2019, the Ecopilas collection network reached a total of 36,652 tonnes of batteries collected since the start of its operations. This result is due to the constant growth of our collection network and the awareness of, and collaboration from, the public.



AMOUNT COLLECTED 2019

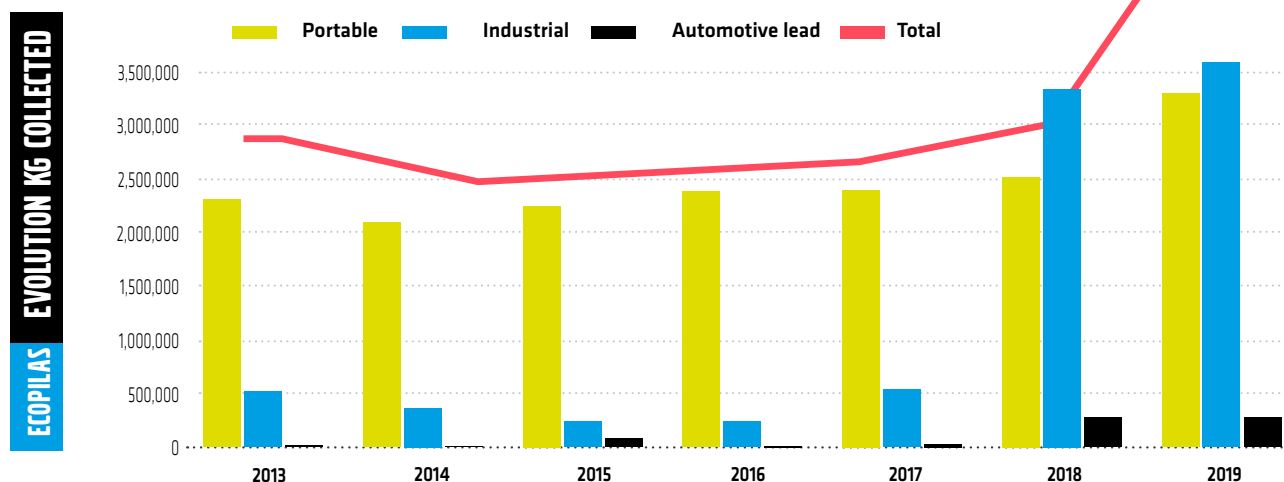
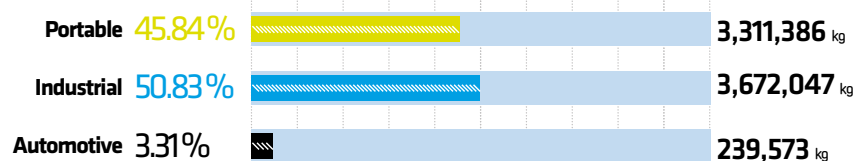
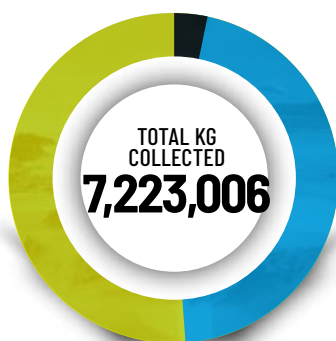
Did you know?

THE COLLECTION RATE OF THE ECOPILAS CONTAINER NETWORK FOR PORTABLE BATTERIES WAS 45%

➤ We collected over 7,000,000 kg.

In 2019 the total amount of used batteries collected by the Ecopilas network was 7,223,00 kg.

The Ecopilas collection index for portable batteries was 45%, meeting the target established in the Royal Decree on batteries and accumulators. Over 3,000 tonnes of waste portable batteries were collected, 30% more than the previous year. Collection of automotive batteries and accumulators currently stands at 3%.

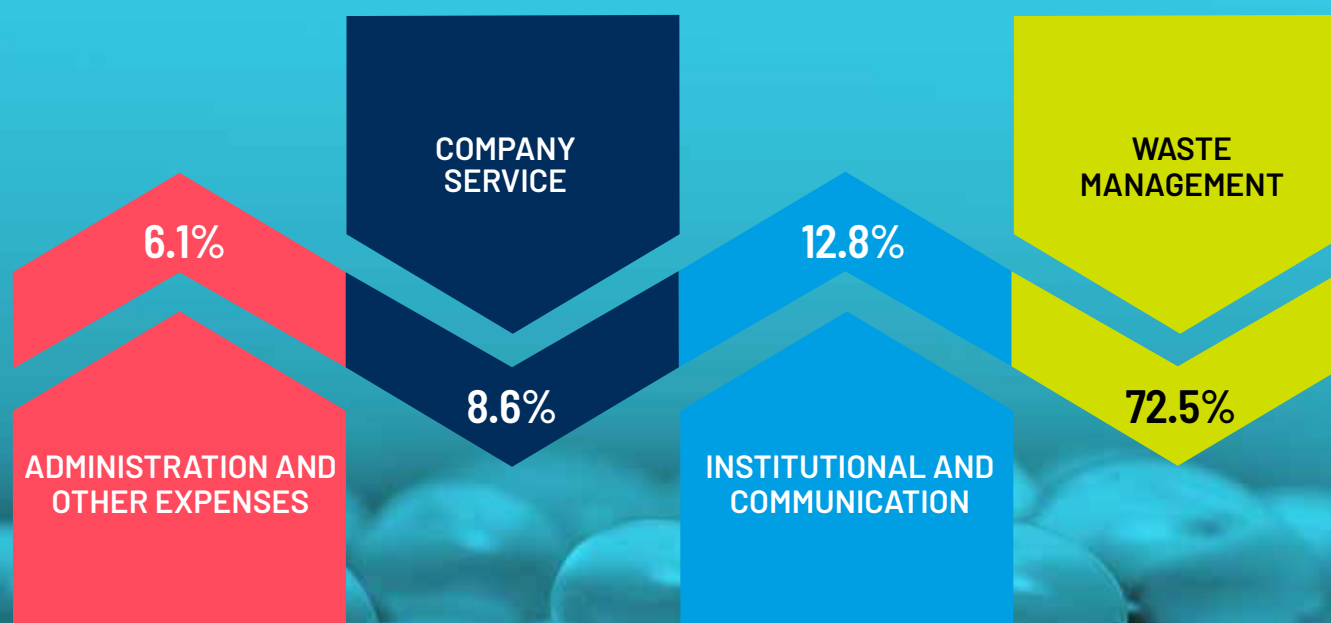


DISTRIBUTION OF COSTS ECOPILAS



Communication expenses hold a key place in the cost structure and this is because information campaigns are a key instrument in raising awareness about the correct management of waste batteries among the general public, companies and governments. **In 2019, Ecopilas allocated 12.8% of its total expenses to communication and public awareness.**

17



05_ **RECOPILAS OPERATIONS/**

MAIN ECOPILAS COLLECTION CHANNELS

PORTABLE USE



Ecopilas uses distribution, and municipal, professional and industrial networks as its portable battery collection channels.

Municipal Collection: includes municipal recycling facilities, schools, public centres and municipal collection network containers.

Distribution: primarily composed of Ecopilas' own network of containers located in retailers, supermarkets and department stores.

Other: professional and industrial collection. A highlight of this channel has been the increase in waste collected from WEEE decontamination and collaboration with waste processors.

Did you know?

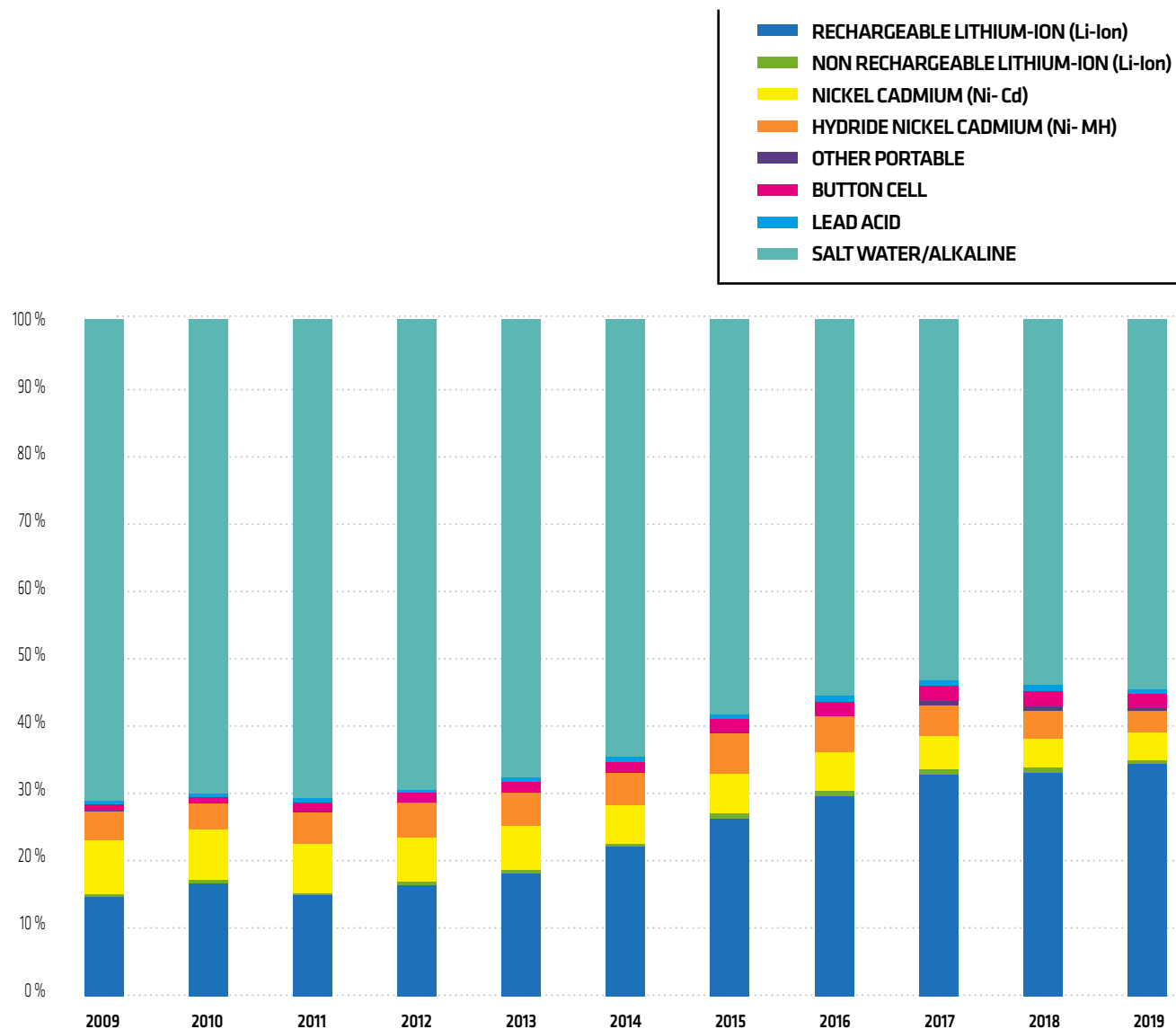
ECOPILAS HAS A WIDE RANGE OF CONTAINERS THAT CAN ADAPT TO ALL TYPES OF BATTERIES AND LOCATIONS, GUARANTEEING A VERY HIGH LEVEL OF COLLECTION COVERAGE THROUGHOUT SPAIN.



Ecopilas has a wide range of containers that can adapt to all types of batteries and locations, guaranteeing a very high level of collection coverage throughout Spain. The "tube collection bin" is the most commonly found container in the collection network because it is designed for establishments with high user traffic. They are usually located in the most visible point of each store, ensuring that they are easily spotted by consumers who want to dispose of their waste batteries and accumulators.

EVOLUTION OF THE PORTABLE BATTERY MARKET:

Distribution by battery and accumulator technology declared to Ecopilas



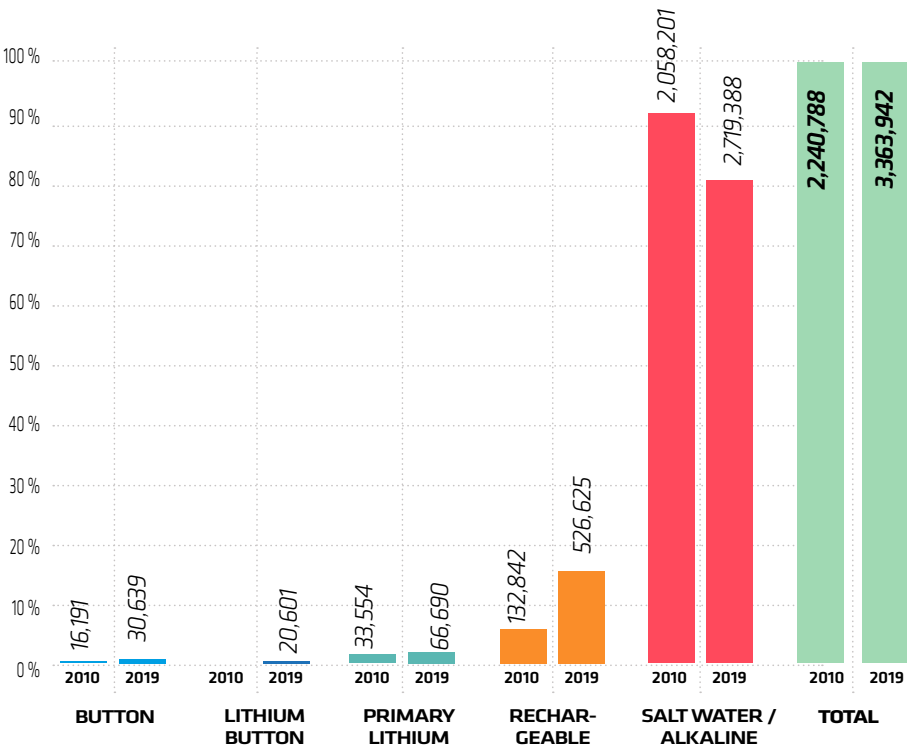
In 2006, when the first battery directive based on expanded producer responsibility was enacted, batteries in the market had an average lifespan of four years. Today, these batteries are being partially replaced by batteries that last for an average of six years, as can be seen in the following table.

	Zinc-Alkaline	Button	Primary Li	Li-Ion	Ni-Cd	Ni-MH	Other	Pb-acid
Vida media	4.0	No data	5.9	6.2	12.3	7.1	No data	8,7

Source: "How the battery life cycle influences the collection rate of battery collection schemes." Consolidated European report. Möbius/Eucobat. 2017

NOTE: this study was based on a wide sample of Pp-Bp batteries that became waste in different European countries. However, it has been adjusted according to the record of amounts released to market in previous years.

Distribution by battery and accumulator technology declared to Ecopilas



If we compare the graphic "Distribution by battery technology declared to Ecopilas" and the graphic of kg collected by battery type, it can be seen that, despite the significant growth in Li-Ion batteries released to market, this increase is not proportionally reflected in the bar chart that illustrates the evolution of Li-Ion batteries collected in our containers, where alkaline batteries clearly continue to dominate.

It should be highlighted that the Ecopilas Foundation collected over 50% of alkaline batteries released to market, one of the highest rates among the European collective systems for expanded producer responsibility.

In terms of Li-Ion batteries collected in our container network, the real situation in the market is not shown because:

- These batteries have a longer average lifespan, 6.2 years compared to 4 years for an alkaline battery.
- Collection of Li-Ion batteries comes from flows other than the Ecopilas container network. This fact means it is difficult to capture this type of waste because most of these batteries come from treatment plants or WEEE end processors.

ECOPILAS OPERATIONS

INDUSTRIAL USE

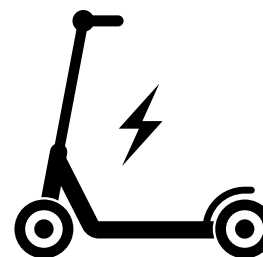
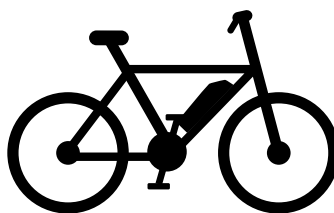
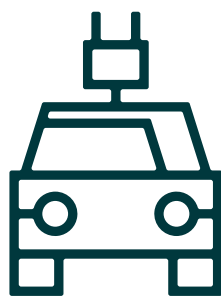
22

Industrial Use:

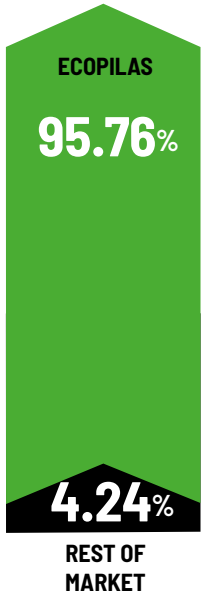
The size and composition of industrial batteries that contain lead or cadmium means that they are potentially far more dangerous than portable batteries and therefore must be collected separately following strict safety procedures that guarantee their correct final processing at a treatment plant.

Ecopilas has created two specific channels for industrial collection, adapted to the needs of manufacturers and the most common types of technology that use this type of product, also ensuring that the collection and processing of these batteries is fully traceable.

These types of batteries are primarily Ni-MH or Li-Ion batteries. Despite their highly diverse uses, Li-Ion batteries particularly stand out for their increased use in all kinds of electric vehicles (cars, bicycles and scooters).



Their growth in the past two years of market placement has been 45% each year and despite the fact that they are still collected less (due to the longer average lifespan of these batteries), in 2019 the Ecopilas Foundation collected 54% more of these waste industrial batteries than in 2018.

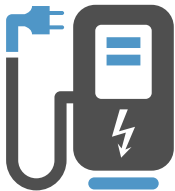


Industrial Li-Cd Batteries:

Ni-Cd batteries are commonly used at large industrial facilities in the electrical and rail sectors and by oil and gas companies. They are highly popular for intensive use due to their reliability but using these batteries requires significant safety measures to be put in place. They must also be carefully monitored.

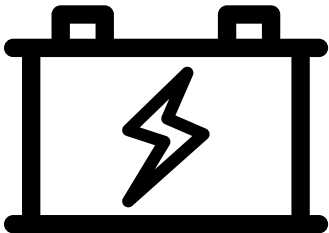
Since the foundation began its activity in 2008, this waste has been a key channel in its industrial operations, and Ecopilas is the leader in the management of this type of waste.

MARKET	% POM
ECOPILAS	95.76%
REST OF MARKET	4.24%



Industrial Lead Batteries

The industrial lead collection channel is another important operation at Ecopilas. Industrial lead collection is historically performed by the main lead-acid battery recyclers in Spain. The Ecopilas Foundation has established agreements with these recyclers to ensure this waste is correctly processed.



Industrial batteries without cadmium or lead

“Other technology” industrial batteries, i.e. batteries “without cadmium or lead” as they are described in the Royal Decree, are essentially Ni-MH or Li-Ion batteries. They have very diverse uses, especially Li-Ion, because they are replacing many other types of technology such as lead and Ni-Cd in tools, backup batteries and uninterruptable power supplies (UPS), medical equipment batteries, etc. Above all, their increased growth is due to their use in electric mobility, in hybrid and electric cars, personal mobility vehicles (PMV), bicycles and electric scooters.

NOT JUST CARS

24



New mobility doesn't just mean individual vehicles. Over the past few years, business models have been developed over that have decongesting traffic and reducing emissions as their main function. These models are based on the possibility of being able to share personal mobility vehicles (PMV), motorbikes, bicycles and electric scooters.

These new models shorten the lifespan of batteries in these vehicles because the number of daily recharges is far greater than for that of a privately-owned vehicle. Correct management of these batteries is key to reducing their environmental impact.

BATTERY TYPE	2018		2019	
	Units	Kg	Units	Kg
Batteries, accumulators and industrial batteries without cadmium or lead	155,319	5,398,734.31	205,911	7,843,140.29
Growth in kg	31,705	1,572,429.96	50,592	2,444,405.98
Growth by %	25.6%	41.1%	32.6%	45.3%

Did you know?

PLACING ON MARKET OF INDUSTRIAL BATTERIES WITHOUT CADMIUM OR LEAD GREW AT A RATE OF 40% COMPARED TO THE PREVIOUS YEAR.
LI-ION BATTERIES HAVE A 72% RECYCLING EFFICIENCY PERCENTAGE.

The Ecopilas Foundation is already responding, in terms of manufacturers and collection points, to be able to store and safely manage waste from batteries based on Li-Ion technology.

IN 2019 COLLECTION OF THESE BATTERIES INCREASED BY 54% COMPARED TO THE COLLECTION FIGURE FOR THE PREVIOUS YEAR.

Did you know?

ECOPILES MILESTONES

1,074
MEMBER
COMPANIES

1,074 companies are members of ECOFIMÁTICA, 20% more than in 2018.

25

40,945
COLLECTION
POINTS

In 2019 Ecopilas reached a total of 40,945 collection points. This was a 9% increase on 2018. At the close of 2019, the collection point network had 48,300 containers. It expects to exceed 50,000 containers during 2020.

7,223
TONNES
COLLECTED

7,223 tonnes were collected during 2019, 16% more than in 2018.

23,830
MINI COLLECTION
BINS DISTRIBUTED

Since 2018, 23,830 mini collection bins have been distributed.

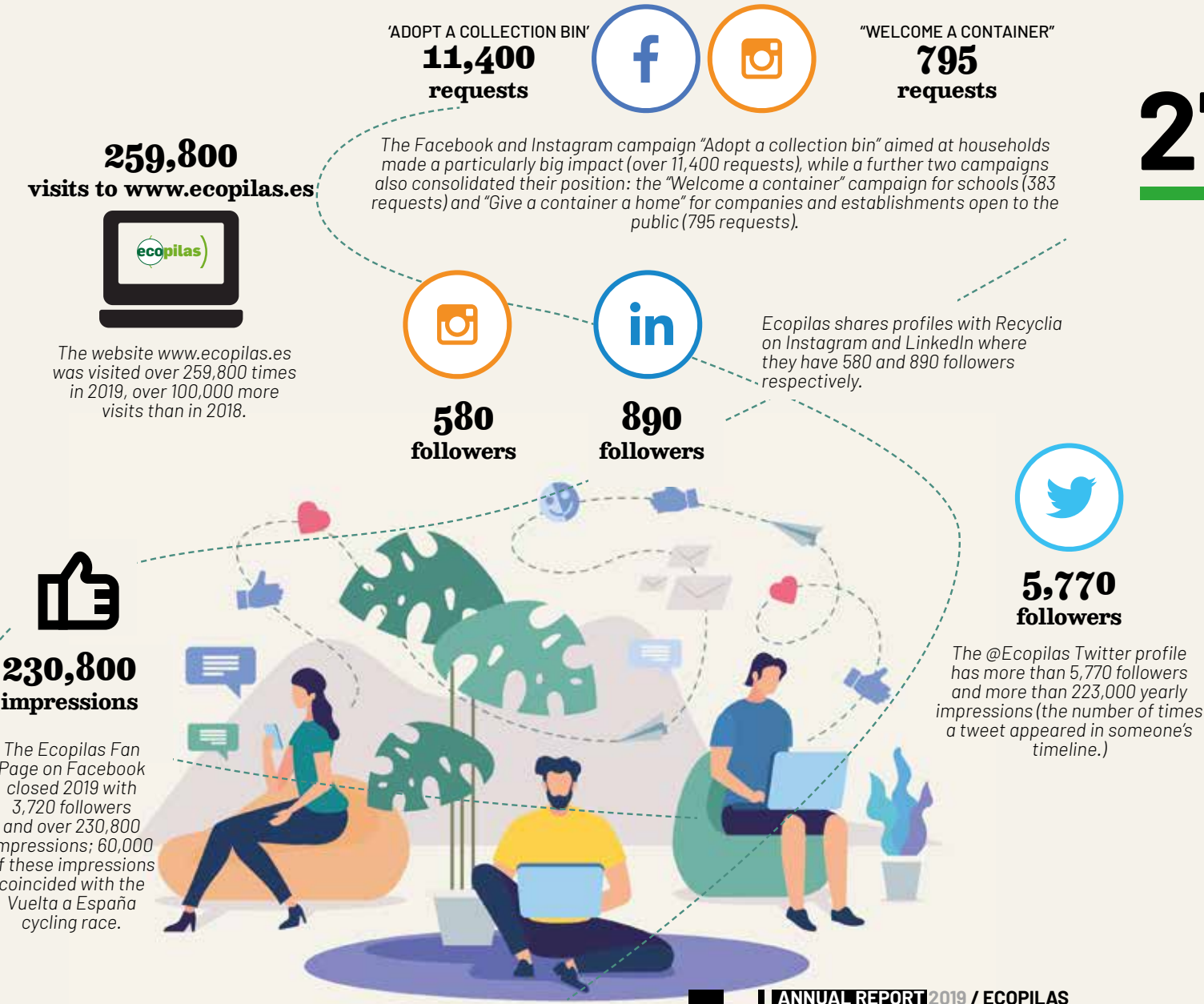
06_ COMMUNI CATION AND EVENTS/

During 2019 the Ecopilas Foundation continued to position its image firmly in the public mind through general media channels, and specialist and on-line channels that targeted a more specific public and group of professionals.

Young people, sports fans and environmental advisors were reached through the new website and social media.

SOCIAL NETWORKS AND WEBSITE

27



2019 VUELTA A ESPAÑA



In 2019 thousands of fans visited the Ecopilas stands at one of the most popular sports competitions held in Spain: the Vuelta a España cycling race. It is so popular that this year the foundation had record-beating figures in terms of turnout and participation in the battery collection campaign that it ran in the over 40 towns through which the race passes.

Every fan that visited the stands received a mini domestic collection bin for waste batteries. And for a further year, the foundation encouraged participation by the public in the campaign by awarding prizes to the fans who deposited the most batteries and the three municipalities that collected the greatest volume of waste batteries per inhabitant.



The most active towns in the 2019 collection campaign were, in winning order, Aranda de Duero in Burgos, Colmenar Viejo in Madrid and Pravia in Asturias. The governors of the last two municipalities received the prize that

Ecopilas awards each year for collecting 4,000 batteries, in the case of the Madrid town, and 2,600 in the Asturian town.

It is important to highlight that Ecopilas is a pioneer in relating sports to raising awareness about recycling and teaching good recycling habits. In fact, it started to run environmental awareness campaigns at sports events in 2011, the year it first collaborated with the Vuelta a España cycling race. Since then, given the excellent public response, each season the foundation has expanded its collaboration with different amateur and professional sports events in many different disciplines.



OWN CAMPAIGNS

“WELCOME A CONTAINER” AND
“ADOPT A COLLECTION BIN”



Since it was created in 2000, Ecopilas has worked hard to make recycling easier for the general public by making battery collection bins more accessible. To increase the volume of waste that it manages, in 2019 Ecopilas continued its ‘Welcome a container’ and ‘Adopt a collection bin’ campaigns that were warmly welcomed for a further year.

Aiming to expand its network of collection points in schools, ‘Welcome a container’ sends out containers and teaching materials for schoolchildren free of charge. Thanks to this initiative, 383 schools collected over 12,700 batteries. Furthermore, requests for containers by education centres doubled compared to 2018.

At present, the Ecopilas school network is comprised of 5,417 collection points, representing 13.23% of the 40,945 points it has installed in public buildings, retail centres and stores across Spain. Specifically, Ecopilas has containers in kindergarten, primary and secondary schools, universities, sailing schools and music schools in all the autonomous communities.

2019 was also the second



year of the ‘Adopt a collection bin’ campaign that members of the public can use to request a free domestic collection bin for their home. Thanks to this initiative, Ecopilas sent out over 16,400 of these containers to Spanish homes.

Since the campaign was launched in 2018, Ecopilas has sent out nearly 40,000 of this type of collection bin.



ECOPILAS FOREST IN HUELVA

Sixty schools in Huelva Province took part in the “Ecopilas Forest” initiative to boost reforestation in an area of the province that has great biological value.

The “Ecopilas Forest” project was launched by the foundation to encourage collecting and recycling batteries in schools. Activities took place under the framework of this campaign in Cadiz, Navarre, Madrid, Ciudad Real and Lanzarote.

During 2019, Ecopilas distributed containers for used batteries to schools in Huelva who had several teaching weeks to collect the greatest amount of this type of waste possible.

Once the campaign had finished, an area of great biolo-



gical value was found where planting would take place in 2020, waiting for the most suitable season to guarantee the trees’ viability and uphold the joint aim of repopulating and teaching about how to protect the natural environment.

In addition to the collection campaign in schools, Ecopilas ran an awareness project with information sessions and educational materials to inform schoolchildren about the importance of their collaboration in issues related to protecting the environment.

According to José Pérez, Ecopilas CEO, “The Ecopilas Forest encourages the public to contribute to recycling and also supports direct environmental conservation action that is currently highly necessary.”

The “Ecopilas Forest” initiative is part of the foundation’s strategy to make battery collection points more accessible to the general public, with a particular focus on involving the school community.

In 2018, the first “Ecopilas Forest” helped to recover 900 m2 in Haria, a municipality in Lanzarote.



ACTIONS IN EXTREMADURA



In June 2019, Ecopilas joined the Extremadura-Ecopilas mountain biking team at its official presentation for the season, which was held at the Placeat Plena Inclusión Extremadura facilities. The event was attended by Manuel Hernández, the director general for Sports; Fernando Pizarro and David Dóniga, the mayor and minister for Sports in Plasencia; José Pérez, CEO of Ecopilas Environmental Foundation; Francisco Valverde, CEO of Placeat, and the five members of the Extremaduran team, which in the 2019 season was comprised of Pedro Romero, Alejandro Díaz de la Peña, Manu Cordero, Miguel Benavides and Desiré Castro.

During the event both José Pérez, our CEO, and the director general for Sports in Extremadura emphasised the sense of balance that is achieved when Ecopilas' sponsorship and the Extremadura MTB Team are combined to create economic support and full collaboration from the team in environmental activities that have hel-

ped collect over a tonne of batteries this season.

The Extremadura-Ecopilas MTB team carried out numerous awareness activities throughout the year in different towns in Extremadura, in collaboration with schools, for example Jerez de los Caballeros school in Barcarrota (home town of Hernado de Soto), in Frenegal de la Sierra, and in Zahínos.

Dozens of schoolchildren once again proved that young people are actively contributing to leaving the planet in a better state than they found it, firmly committing to recycling used batteries and accumulators. Over a thousand children took part in these five activities.

Also in the Community of Extremadura, Ecopilas was present at the "Wellbeing and Sustainable Life" congress that was held in Plasencia and attended by the president Fernández Vara.



DESCENT OF THE SELLA

For the sixth consecutive year Ecopilas participated in supporting the International Descent of the Sella canoeing race, event 83 of its kind, which took place on 3 August and attracted over 250,000 spectators.

In addition to awarding one of the competition's winning prizes, Ecopilas installed containers in Arriendas and Ribadesella, where the start and finishing lines of the race were located. The foundation informed fans who had come to enjoy the race from the banks of the Sella and who visited its stands of the environmental benefits of recycling this type of waste and the importance of cooperating to ensure it is processed correctly.



VUELTA A ASTURIAS

Cycling fans in Asturias deposited over 100 kg of batteries in containers that environmental foundation Ecopilas placed at the start and finish lines of the three stages in the Vuelta a Asturias cycling race, held from 29 April to 1 May. The foundation also awarded the green jersey at each of the three stages.

This was the second consecutive race where Ecopilas has promoted the environmental benefits of battery recycling among the population of Asturias. It is also important to highlight the considerable public awareness work that the foundation carries out in the Principality of Asturias.



ARECES ECOPILAS



In 2019 Ecopilas renewed its collaboration with the ice hockey world by supporting Asturian women's team CP Areces. The Recyclia environmental foundation was one of the team's main sponsors and in the 2019 season it competed under the name CP Areces Ecopilas.

The foundation also promoted the collection of 620 kg of batteries among fans by installing collection bins at the Grado Municipal Sports Centre to coincide with all the matches that CP Areces played at home.



33

CRC POZUELO

Almost 300 kg of batteries were collected as a result of the campaign Ecopilas ran over two days in May when the Under-12s National Rugby Festival was held, organised by Rugby club CRC Pozuelo and the Spanish Rugby Federation. Later, on 12 October, Ecopilas collaborated with the Madrid club once again in its now classic Autumn Tournament, and players and attendees were able to deposit their used batteries at the Ecopilas stand at the event.



PROVINCIAL GOVERNMENT OF BURGOS

In 2019 Ecopilas returned to Burgos to renew its collaboration agreement with the Provincial Government for the third consecutive year, committing to the relationship between sports and battery recycling. The collaboration agreement covers three main areas: a battery collection campaign in schools, and collaboration

in two highly anticipated sports competition, the Atapuerca cross-country race and the Vuelta a Burgos cycling race. Educational workshops were run under the framework of this agreement with the students who took part in the school competitions and selective battery collection was promoted at the cycling race podiums and at the most important cross-country race in the athletics calendar. These activities meant that, in 2019, numbers exceeded the 2018 figure of 4,000 students from 24 schools who were taught environmental education thanks to this agreement.



MAJORCA CYCLING CHALLENGE

Ecopilas collected over 150 kg of waste batteries through the environmental awareness campaign run during the Majorca Cycling Challenge professional cycling race held from 31 January to 3 February.

The foundation ran an information campaign and installed collection bins in the various towns that the race passed through across the island to raise awareness among fans of the importance of disposing of batteries separately. Ecopilas also set up a stand so that the public could dispose of used batteries in collection bins.



OTHER OWN CAMPAIGNS

Ecopilas had a greater presence than ever at sports competitions and environmental events across Spain over the summer and autumn.

To mention just a few, highlights include its participation in the **SOW OXYGEN PROJECT - SCHNEIDER/CRUZ ROJA**, held in San Agustín de Guadalix in Madrid.



This information and environmental awareness project aimed give Schneider employees information to make them more aware and take a greater interest in problems that negatively affect the environment, and to give them the knowledge, skills, means and abilities needed to contribute towards its protection and care.

An awareness workshop with collaboration by ECOPILAS representatives was run for Schneider employees about the importance of natural spaces and the impact of rubbish on these spaces.



CURSA DE MUNTANYA D'OLOCAU

The Ecopilas Foundation also took part in the 7th Cursa de Muntanya d'Olocau. This sports event has a double purpose: first, to give fans of this sport the chance to enjoy themselves and discover the mountains in the area and the Sierra Calderona Natural Park, and

second, to raise awareness and help children and adults affected by cerebral palsy.



ENVIRONMENTAL ACTIVITY AT MIRAFLORES TOWN HALL

This event was organised by the minister for the Environment in Miraflores de la Sierra, Sara González. Ecopilas sent out collection bins and information about battery recycling for this environmental activity held at the end of September. The Town Hall published a announcement that all inhabitants could collect a mini collection bin, and provided them with information about environmental awareness.

INTERNATIONAL HORSE RIDING COMPETITION

For the first time ever Ecopilas was present at the International Horse Riding Competition at the Militar de la Dehesa Sports Club in Madrid, and also at various other sports events such as the 8th Night Race in Modubar, Burgos, the 2019 running race in La Escalona, Toledo and the Rugby Playa 5 contest.



JOINT CAMPAIGNS

PILABOT. GALICIA

"Pilabot", a robot created with the mission to protect the environment by reducing the pollution generated by battery waste, was the star of the awareness campaign run by the Regional Government of Galicia with the Galician school community in collaboration with Ecopilas and other collective systems for expanded consumer responsibility.

The "Pilabot" competition was developed to raise awareness and promote collecting battery waste in Galician schools, and it also led to the installation of containers in over 150 Galician education centres, educational talks and the distribution of teaching materials.



Participating centres collected 44 tonnes of batteries, an extremely high figure that represented almost 20% of the total tonnes collected in 2018 across Galicia.

The competition was divided into two categories: kg of waste collected in containers in the schools themselves, and the amount collected per pupil. The prize for both categories was a sum that could be exclusively spent on school materials or sports equipment.

The competition winners were, in the following order, CEIP de Caión (A Laracha), with 1,382 kilos, CPR Plurilingüe La Purísima (Ourense) and CRA Amanecer (Ribadavia).

APILO XII. CATALONIA



In 2019, the Catalan Waste Agency organised the “Apilo XII” battery collection competition for the fifth consecutive year. For the first time it awarded the school that prepared the best campaign to promote battery recycling. The CWA, in collaboration with the collective systems that operate in the region, including Ecopilas, also continued to give prizes to the schools that recycled the most in each province; the 2019 winner was Colegio Escola Marinada de Lleida.

Over the five years of the “Apilo XII” campaign over 300 tonnes of batteries have been collected thanks to participation from 900 schools. The initiative offers educational resources and materials to encourage used battery collection and their subsequent recycling, such as stories, videos, workshops and games that can be used both at home and school.

37

BERTO ZAMPAPILAS VALENCIAN COMMUNITY

Primary schools in the Valencian Community collected over 23 tonnes of portable batteries during the “I help Berto Zampapilas” campaign by the Department for Agriculture, the Environment, Climate Change and Rural Development.

The initiative was run by the Ecopilas and ERP collective systems for batteries and awarded prizes to the Flors de Castelló Foundation, CEIP Confrides de Alicante and CEIP Vilamar de Valencia for collecting the most batteries per student in their province from among the 150 schools that took part in the campaign. It also included environmental workshops that involved dramatised shows telling the story of Berto Zampapilas, a rare species of dragon that lives in Carbonia, a city that is six kilometres below the Earth’s crust.



SUPPORTING BATTERY RECYCLING IN THE BALEARICS

At the beginning of the year, Ecopilas signed a framework agreement with Viceng Vidal, minister for the Environment, Agriculture and Fishing in the Regional Government of the Balearic Islands, and ERP, regarding the management of waste battery accumulators to boost battery recycling in the Balearics.

The agreement will last for four years and aims to give continuity to the services that are currently provided (thanks to a previous, now expired agreement) by the collective systems for expanded producer responsibility that are managed by these two organisations.

The agreement covers the conditions of selective collection, storage, processing and eliminating portable waste batteries, excluding industrial and automotive waste batteries.



By signing the agreement, the managing organisations of the collective systems commit to manage the collection of portable waste batteries from the points established by the government and to propose and implement information, public awareness and environmental sensitivity campaigns to make selectively collecting waste batteries more efficient.

In turn, the Government will participate and collaborate in promoting and, where applicable, implementing measures that aim to expand and improve selective collection of waste portable batteries. Furthermore, in its own area of competence, it will establish more environmental inspection, control and surveillance processes to monitor the obligations and actions established by the agreement.

INSPIRING GIRLS

In 2019, Recyclia and the Spanish Federation of Household Appliance Traders (FECE) collaborated with the Inspiring Girls Foundation to promote various environmental workshops and fun competitions. Inspiring Girls aims to increase the professional ambitions, self-esteem and employment prospects of girls, showing them the wide variety of professions in the world, in this case those related to the environment.

This led to the “Girls and recycling: a circular economy for a sustainable world” event, which enjoyed support from government minister Teresa Ribera and was held at the Ministry for the Environment events hall.

80 girls attended the event, which aimed to familiarise the participants with recycling through different workshops and recycling challenges. In turn, nearly 50 Madrid



school children from San Sebastián state school took part in the

“We care for the planet” recycling workshop organised within the framework of COP25 and were taught ideas about the circular economy.

In addition, for the first time an Inspiring Girls event was held in Extremadura and it aimed to get the participating girls used to the idea of recycling and the circular economy, offering them the vision of a future vocation in environmental sciences. The event was attended by Fernández Vara, president of the Regional Government of Extremadura.



07_ SOCIAL COMMIT MENT/

7th ALTRUISM AWARDS BY THE JOSÉ RAMÓN DE LA MORENA FOUNDATION

At its 7th Altruism Awards, the José Ramón de la Morena Foundation paid tribute to Ecopilas' contribution to social wellbeing through the work it has carried out to collect and recycle batteries in Spain for almost two decades.

José Guirao, former minister for Culture and Sports, handed over the award to José Pérez, chair of Ecopilas, in recognition of the "great work the foundation has carried out for 19 years, responding to the principle that producers are co-responsible for the management of waste generated by batteries and accumulators at the end of their useful life." In addition, he highlighted that Ecopilas has the widest collection network in Spain for this type of waste.



REAL MADRID FOUNDATION

In 2019, Real Madrid Foundation, Segovia Town Hall and Ecopilas renewed their agreement for the management and operations of the Socio-sports Football and Values for Integration School. Created in 2011, the initiative was attended by over sixty 5-16 year-olds who were taught values related to integration and socialisation, and respect for the environment.



Clara Luquero, mayor of Segovia; Emilio Butragueño, director of Institutional Relations at Real Madrid, and José Pérez, Ecopilas CEO, renewed the agreement at an event at Segovia Town Hall. Pérez emphasised that the renewal "is the result of the satisfaction and effectiveness that Ecopilas sees in this initiative because it contributes to a social purpose while encouraging recycling at the same time."



ECOMAR FOUNDATION

Sailing clubs and schools along the Spanish coasts collected two tonnes of used batteries in the summer of 2019, a record figure that was a 36% increase compared to 2017. This initiative has been part of the "Charge your batteries and recycle" campaign run by Ecopilas and the Ecomar Foundation since 2015 and it promotes recycling this type of domestic waste among the pupils and members of sailing clubs and schools in Spain.



During the campaign, Ecopilas distributed 7,000 household collection bins and installed 148 containers in 74 sailing clubs. The "Charge your batteries and recycle" campaign awards sports equipment (lifejackets and sails) to the three clubs that collect the most batteries during July and August. In 2019, the winning centre was the Club Do Mar Cariño in La Coruña with 580 kg. Second and third place went to the Escuela Municipal de Vela Theresa Zabell in Cadiz with 209 kg and Actividades Náuticas de Tenerife with 201 kg.

OTHER ACTIVITIES

In 2019 particular highlights of the solidarity activities run by Ecopilas include:

- Support for the **Jaime de Amo Solidarity Festival** held on 22 March in Madrid. The school supports different solidarity projects through the Proclad Foundation and in 2019 it raised funds to provide nursery schools in the Kiembeni neighbourhood in Mombasa, Kenya, with drinking water.

- Participation in the **Real Family Fest** in Valdebebas, Madrid, the biggest family and solidarity festival in Europe,

held to raise funds for socio-sports programmes run by the Real Madrid Foundation in juvenile facilities. Ecopilas taught workshops about recycling household waste.

- For a further year Recyclia and Ecopilas also took part in the Environmental Awards run by the **Argadini Association**, which aims to assist people at risk of social exclusion due to physical or psychological reasons.

- Ecopilas also sponsored the charity race by the **Almar Foundation** in Boadilla del Monte to help people affected by Friedrich's ataxia.

43

CLEANING CUDILLERO PORT

In 2019, Ecopilas took part, for the third year running, in the deep cleaning of Cudillero port organised by the En-sidesa Underwater Activities Group (GEAS). This event brings together volunteers, enthusiasts, and members of the public who recognise the importance of caring for the sea and it has been held at the end of October since 1994.

Ecopilas was responsible for managing the mini waste facilities for batteries, thereby making collecting this type of waste easier for people participating in the event.



The initiative was part of the National Deep Clean of the Seabeds, a programme run by the Sea Guard Network that enjoys participation from dozens of clubs and diving centres across Spain.

08_ INTER NATIO NAL/

EUCOBAT HOLDS ITS GENERAL MEETING IN SEVILLE

In 2019, Ecopilas hosted the Eucobat General Meeting. Eucobat is an association that unites the 18 most important collective systems for battery and accumulator recycling in Europe. The Recyclia Foundation is a founding partner and the sole representative from Spain.

The event was held in Seville on 11 and 12 April and it covered the latest developments in battery and accumulator management with a special focus on reviewing the Directive that regulates environmental management of this type of waste, specifically on obligatory collection targets.

In addition, electric vehicle battery recycling was a focus point with close attention on aspects such as financing its management, transporting it safely and preparing it for reuse.

These areas were also addressed in a specific conferen-



ce about this emerging market that Eucobat organised in June 2019 in Norway, currently the country with the greatest number of electric vehicles in Europe. In fact, in 2018 one in three cars sold in Norway was electric.

The Eucobat General Assembly also addressed the principle issues that affect the sector in general, such as applying International Carriage of Dangerous Goods by Road (ADR) legislation to the general transport of this type of waste, or a review of the safety instructions that should be provided at collection points. Both of these areas are closely related to the increasing growth of Li-ion batteries in the collected waste flow.

According to Ecopilas, between 2010 and 2017, this flow has increased by 137% due to a proliferation of this type of battery in new devices.

Eucobat held a new General Assembly in Lyon (France) in September to coincide with the 24th International Congress for Battery Recycling ICBR 2019.



CONSULTATION TO THE GOVERNMENT OF MONTENEGRO

Ecopilas provided consultation services to the Government of Montenegro so that it can develop a battery collection and recycling system based on the Spanish model, detailing the different initiatives that the environmental foundation runs to raise public awareness about managing this type of waste.

José Pérez, Ecopilas chair, explained the Spanish experience to a delegation from the Government of Montenegro during a series of conferences organised by the Ministry for Ecological Transition (MITECO) as part of the Technical Assistance and Information Exchange (TALEX) programme of the European Commission.

24TH LA LIGA PROMISES INTERNATIONAL TOURNAMENT IN ABU DHABI



In 2019, Ecopilas collaborated for the first time in the La Liga Promises International Tournament which was held for the 24th time from 27 to 29 December in Abu Dhabi and involved 16 international juvenile category teams. Considered one of the most important events in the LFP World Challenge calendar, the tournament is coordinated by the Professional Football League and the José Ramón de la Morena Foundation.

The foundation's logo, mascot, slogan and social network contact were projected on the perimeter LED display system that runs around the pitch during the 20 games that were played over the three-day tournament. This meant that the foundation was visible by fans at the event and viewers of Gol Televisión, the channel responsible for broadcasting the event in Spain, and numerous international channels.



PUBLISHED BY	ECOPILAS
DESIGN	LEADERS COMUNICACIÓN
PRINTED BY	GRÁFICAS RIGEL
LEGAL DEPT.	M-15091-2020



FUNDACIÓN para la Gestión
Medioambiental de Pilas



Calle Orense, 62. 28020 MADRID



Tfno.: +34 91 417 08 90 - Fax: +34 91 555 03 62



ecopilas@ecopilas.es



www.ecopilas.es