

We believe
in a fair,
inclusive
and



sustainable
energy
transition

2020
summary

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Energy transition and society: lines of action

Repsol Foundation is committed to a **fair and inclusive energy transition** for a sustainable future



2020 has seen the consolidation of the energy transition and society strategy for Repsol Foundation that began in 2019. A strategy aligned with that of the company, the Sustainable Development Goals, Agenda 2030 and the Paris Accord; and focused on four lines of action, but without forgetting their social approach.

This transformation process contributes to responding to the global energy transition challenge, through the growth of the impact investment programme and entrepreneurship support.

In addition, the Foundation promotes debate and knowledge around energy, the keys to fighting climate change and a sustainable future.

In a context marked by the effects of COVID-19, Repsol Foundation has strengthened itself and adapted to the circumstances, continuing to develop its projects.

In 2020 the projects carried out benefited more than 48,000 people.

Impact investment

Investments in companies focused on energy transition and the inclusion of vulnerable groups in Spain.

Entrepreneurship and innovation

Through our business accelerator Entrepreneurs Fund, we promote innovative technology-based solutions to accelerate energy transition.

Energy knowledge

We promote debate and disclosure on energy transition through a series of conferences, a network of chairs and the Zinkers digital educational platform.

Social and volunteering

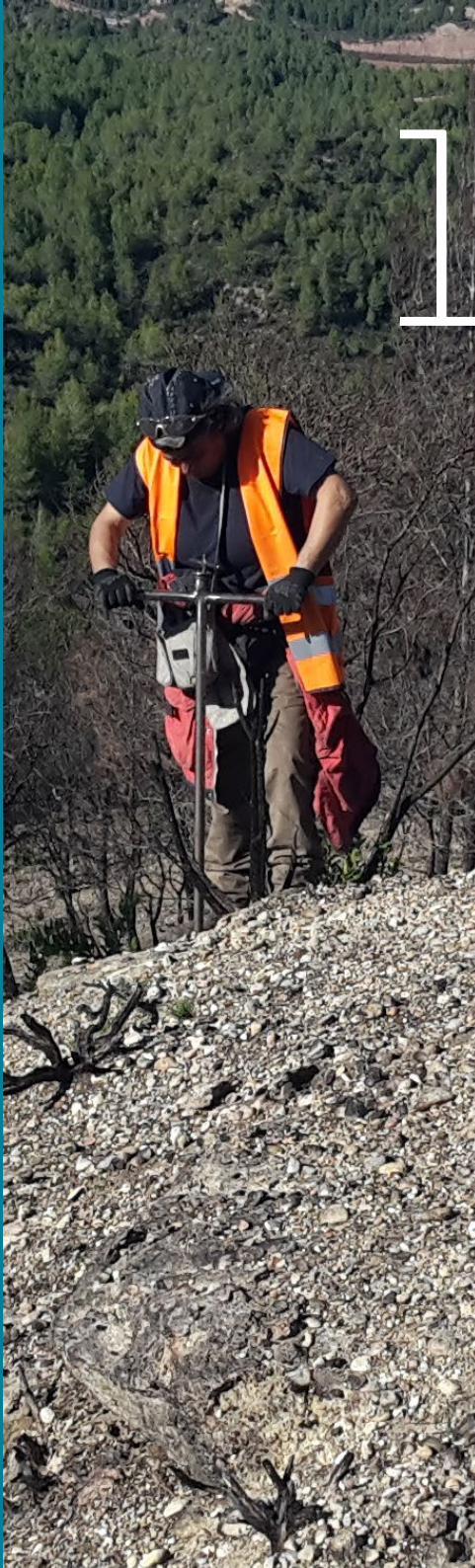
Development of projects that contribute to responding to social energy transition challenges.



Summary

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Impact investment

Repsol Foundation is a pioneer in impact investment, promoting the growth of a network of social companies focused on energy transition and the inclusion of vulnerable groups in Spain. For this, it has Repsol Social Impact, a company 100% owned by the Foundation.

Repsol Foundation offers financing and support to develop the business plans of these companies, maximising their positive impact and profitability. At the end of 2020, there were five companies offering solutions **in energy efficiency, sustainable mobility, circular economy and emissions offsetting.**

Repsol Foundation invests in companies that contribute to the **energy transition** challenge and the **inclusion of vulnerable groups** ■

As stated by António Calçada, Managing Director of Repsol Foundation: *“We invest in business solutions based on a new economy, which seeks to respond to the challenges of today’s society – energy transition in our case – to achieve both economic and environmental gains.”*

Reforestation with Grupo Sylvestris

Development of projects with a **three-fold impact**: economic, social and environmental

Group Sylvestris, in which Repsol Foundation has a 21% shareholding, promotes reforestation and forest management as a tool to combat climate change by offsetting CO₂ emissions.

Alongside them, Repsol Foundation works on an ambitious reforestation programme in Spain to promote the voluntary emission offsetting market, generating a triple transforming effect:

- **Economic:** by supporting a green and sustainable rural economy.
- **Social:** with the creation of local and quality inclusive employment.
- **Environmental:** creating new forests to offset carbon emissions and mitigate climate change.

The planting carried out by Sylvestris Group is designed pursuant to the norms of the Spanish Office of Climate Change (OECC), the official body for certifying absorption projects, created by the Ministry of Ecological Transition and

Demographic Challenge. Currently a third of the nearly 60 new forests registered at the Spanish office for Climate Change have been developed by Sylvestris Group.

In addition, Land Life Company, Repsol Foundation and Sylvestris Group have launched a reforestation plan in Mombeltrán, Cuevas del Valle and Fresno del Río (Castilla y León) as well as in Ejulve (Aragon), where more than 250,000 trees have been planted in areas affected by fires and agricultural neglect, with which up to 72,000 tonnes of CO₂ may be removed from the atmosphere.

In total, more than 290 hectares have been reforested in 2020, with more than 50 people employed on these projects.

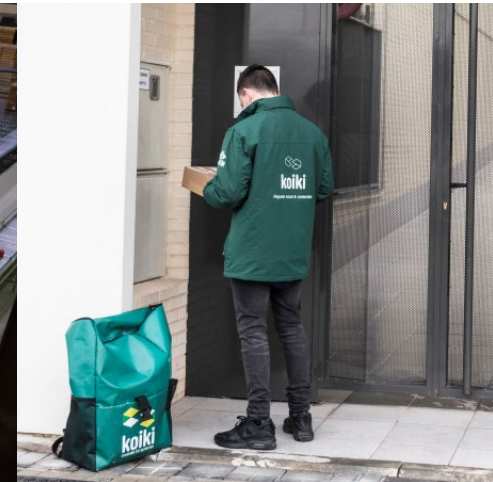


Koiki

Sustainable distribution of last mile parcels

Koiki is a **sustainable and inclusive** last mile delivery company, created in response to the increase in traffic caused by the boom of e-commerce to improve sustainability and efficiency in the distribution of parcels in cities. In addition, it is a company with a social impact, promoting inclusive employment, as it generates jobs for people with disabilities or at risk of exclusion.

With an initial shareholding of 25% by Repsol Foundation – to increase to 35% by 2021 – Koiki has an **extensive network of urban microcentres** working at a neighbourhood level, making deliveries by foot, bicycle or electric scooter and in eco-efficient vehicles when the post code area is extensive.



Thanks to the boost from Repsol Foundation, Koiki has grown exponentially, with a network of 50 microcentres in 17 Spanish provinces at the end of 2020 (Álava, Alicante, Almería, Asturias, Baleares, Barcelona, Cuenca, Girona, Huelva, León, Lleida, Madrid, Malaga, Murcia, Valencia, Vizcaya and Zaragoza). It has also signed an agreement with Fundación Juan XXIII and Grup Cooperatiu TEB to create **two consolidation centres in Madrid and Barcelona**.

It delivered about 400,000 “sustainable” parcels in 2020, which represents a saving of 172 tonnes of CO₂, generating employment for more than 150 vulnerable people.

+ 400,000
sustainably delivered
parcels

172
tonnes of CO₂

+ 150
job opportunities



Eco-sustainable rehabilitation of housing with GNE Finance

In the field of energy efficiency, Repsol Foundation has a 20% shareholding in GNE Finance. A startup providing **accessible financing with personalised technical assistance** for the eco-sustainable rehabilitation of housing focused on improving energy efficiency and renewable energies.

Its services have a direct contribution on the regeneration of the communities with a triple impact: environmental, social and economic. By improving the comfort and energy efficiency of homes, energy poverty is alleviated, social inequality is mitigated and the environment is improved, all while creating local employment.

GNE Finance has received the support of the EU Horizon 2020 programme for the development of the Europace project. In 2020, it worked on several European pilot projects, such as Hola Domus in Olot, Girona and the OpenGELA project in the Basque Country.

SAEMA and the circular economy. Recovery and recycling of packaging

Repsol Foundation has acquired 35% of Saema, a special employment centre dedicated to the recovery and recycling of packaging from yellow containers (plastics), which operates in the bay of Santander and the Eastern zone of Cantabria. The recycling plant has a workforce of 115 people, with 78% of them having some form of disability.

In 2020, it processed about five million kilos of waste, recovering materials to give them a second life. This activity achieves a reduction in the consumption of raw materials and CO₂ emissions.

Repsol Foundation is involved in the management of investee companies, enhancing their ability to be profitable and economically sustainable over time

Strategic alliance with ILUNION. Recycling4all

Recycling4all is a company in which Ilunion (the conglomerate of companies of the Social Group ONCE) has a 75% shareholding and Repsol Foundation a 25% shareholding, which was created with the aim of becoming a benchmark in the recycling of e-waste or WEEE (Waste from Electrical and Electronic Equipment). It has 166 employees, of whom 60% have some form of disability.

The new society operates **throughout the business value chain: collection, transport, classification, storage, processing, reuse and recovery of waste**. Its future plans include extending the recycling activity to products and materials linked to energy transition, such as solar panels and photovoltaic panels, to be ahead of the game in the processing and reuse of these materials.



In 2020, in the two plants located in La Bañeza (León) and Campo Real (Madrid), more than 14,500 tonnes of e-waste were processed, of which 90% could be reintroduced into the productive circuit to create new products.

Part of the material processed in these two plants came from various Spanish provinces, as Recycling4All also has nine temporary storage centres that – together with a fleet of more than 60 specialised vehicles – are responsible for the collection, classification, temporary storage and transportation for its final processing.

14,500 Tn
of waste electrical
and electronic equipment
treated

60%
of employees from
vulnerable groups

2

Entrepreneurship and innovation

The Entrepreneurs Fund is an essential tool to accelerate the development of innovative technology-based projects so that they are on the market as soon as possible and therefore contribute to energy transition.

We support startups with innovative solutions in decarbonisation, the circular economy and the digitalisation of the energy industry ■

New edition of the Entrepreneurs Fund

In 2020, **six new technological and innovative energy transition startups** were incorporated into our accelerator after the annual call launched in January.

Repsol Foundation supports these companies – in the acceleration process and that present a high degree of maturity – with a **financial contribution** of up to 120,000 euros, **technical and business advice** from the mentoring team, and the possibility of accessing industrial level pilot tests in Repsol's facilities and industrial centres.




Economic contribution of up to **€120,000** and **technical and business consultancy** ■

In the 2020 call, a total of 1,275 proposals were received from more than 83 countries. Of note was the increase in American startups, which tripled compared to the previous call.

The six companies that were selected stand out for their innovative solutions in the circular economy, decarbonisation and digitalisation of the energy industry.

+ 1,275
proposals received

+ 83
countries

Scope	Start-up	Origin	Value proposal
 circular economy	Evo Enzyme	Spain	Enzyme selection for the degradation of plastics and industrial scale production.
	Captative Systems	Italy	Nanoparticles to eliminate heavy metals in industrial waters
 digitalisation	Aloxy	Belgium	IoT (Internet of Things) control of critical valves in industrial plants.
	Eigen	USA	Artificial intelligence applied to distillation unit operations.
 decarbonisation	Opus 12	USA	Ethylene production from CO ₂ .
	Uni Sieve	Switzerland	Membranes for propane-propylene separation with reduced energy consumption and CO ₂ emissions.

We successfully accelerate the process of launching technological solutions onto the market

After passing through the Entrepreneurs Fund, several companies supported by Repsol Foundation are now mature and have become solid and pioneering companies in their field.

This is the case of **Alerion**, a Spanish startup accelerated in the last call. Specialising in the design and development of drones for maintenance and inspection activities in industrial facilities, Alerion signed an agreement this year with Saudi Aramco for the development of several projects.

Other companies that have been part of the acceleration programme, such as Finboot, Digital Twin and Place to Plug, have signed collaborative agreements with Repsol.

Repsol Foundation is committed to innovation and talent through initiatives and technological solutions that drive energy transition ■



Energy knowledge

Repsol Foundation promotes rigorous knowledge around the keys to energy transition through three lines of action:

Series of conferences

Repsol Foundation professorship in Energy Transition in a network of universities

Zinkers, a digital educational platform

Series of conferences

Reinforcing the mission around the concept of energy transition and society, Repsol Foundation produced a series of conferences throughout the year that brought together national and international specialists and experts through different formats. It is a forum that promotes **inclusive and rigorous debate** around the keys and levers of energy transition. Most conferences took place online, adapting to the circumstances of COVID-19.

In collaboration with benchmark entities, more than twenty conferences were organised, with those on the following topics being of particular note:

Towards a circular economy. Economic opportunities within the framework of energy transition

A series of six online meetings with the aim of addressing economic opportunities within the framework of energy transition, renewable energies, new consumption patterns and efficiency and innovation of processes in the energy sector. These events were carried out in partnership with **Funseam** (Foundation for Energy and Environmental Sustainability).

Technology and mobility

Experts in the field and Government representatives participated in the *Third Technology and Mobility Forum – Immediate Future* – promoted by **Fundación Corell**. It raised the need to combine strengths to create a sustainable, realistic and enabling energy model.

Energy transition technologies

A series of five webinars organised in partnership with **EsadeGeo** – EDASE's Geopolitics and Global Economy Centre – where expert academics in technology and energy transition studied new available technologies and their role in a more sustainable future, among which they highlighted: *CCUS: direct air capture*; *Low emission hydrogen*; *Power to fuels*; *Waste to fuels* and *Power to liquids in action*.

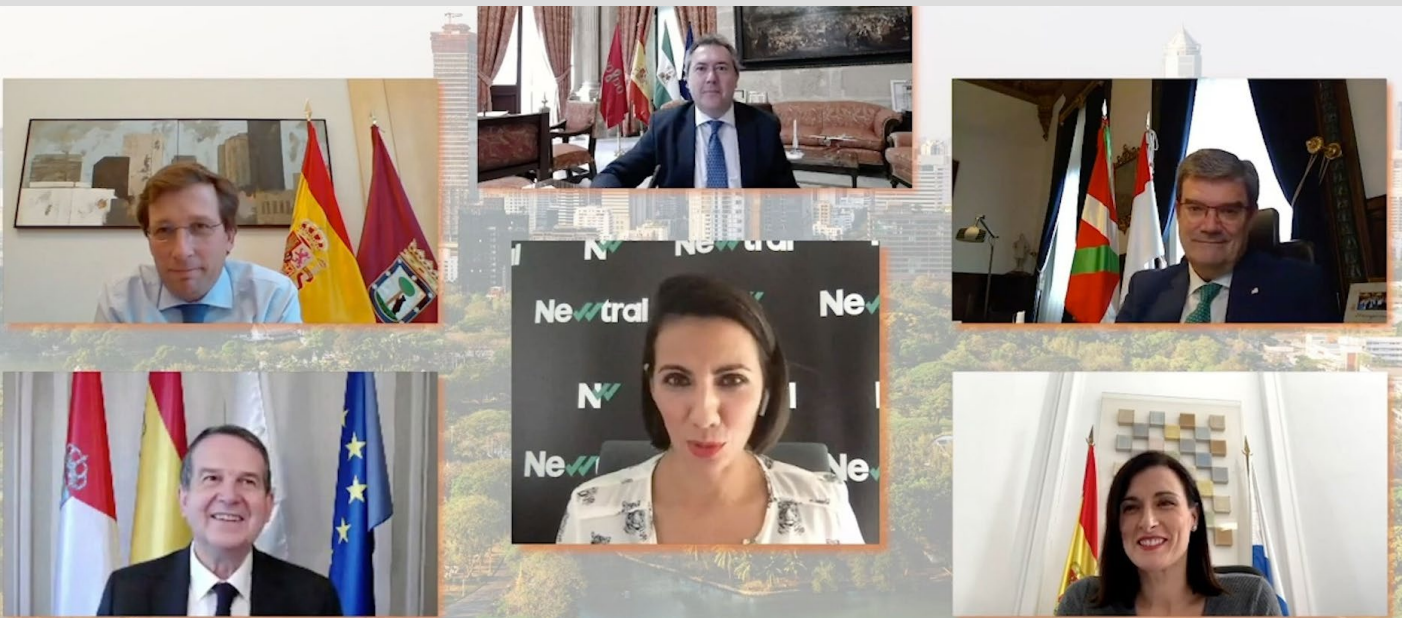
Energy challenges in cities

The session *Smart cities and energy challenges*, carried out in conjunction with the **Carlos III University of Madrid**, brought together mayors from major Spanish cities, as well as experts who discussed urban evolution and the challenges of mobility, energy efficiency or responsible consumption in cities; without losing sight of the social and environmental impact.

Energy transition as an economic phenomenon

The role of Spanish companies was the theme of the session held jointly with **Casa de América**, where representatives of major Spanish companies with a presence in Latin America addressed the challenges and opportunities of energy transition in the region.

We promote rigorous debate through various formats and with the involvement of experts and leaders in energy transition



Featured events in 2020

The **24 events** carried out – 20 of which were online – saw the involvement of more than 100 expert speakers in energy, technology and energy transition, among others. With more

than 6,900 registrations and more than 12,000 subsequent views of the events online, the series of conferences exceeded the initial aims in terms of repercussion and impact.

Partners					
Funseam	The Aspen Institute	EsadeGeo	Forum of forums Forum of meetings	Funseam	EsadeGeo
The role of energy efficiency in achieving ecological transition goals	An energy transition: competitive, just and based on technological and industrial capacities	Energy policy planning in the EU and how it affects European industry	SIXTH INTERGENERATIONAL FORUM OF FORUMS MEETING. "New challenges for business sustainability"	WEBINAR "Energy scenarios: current situation and future outlook"	1st WEBINAR CYCLE Energy transition technologies "CCUS: direct air capture"
	february		march	may	june
june		july	september		october
Energy transition as an economic phenomenon: the role of Spanish companies	2nd WEBINAR CYCLE Energy transition technologies "Low emission hydrogen"	3rd WEBINAR CYCLE Energy transition technologies "Power to fuels"	SECOND EDITION OF THE ONLINE COURSE on Energy transition in Spain	1st SESSION CYCLE Workshops on the circular economy "Towards a circular economy"	2nd SESSION CYCLE Workshops on the circular economy "Efficiency and innovation in energy sector processes"
Casa de América	EsadeGeo	EsadeGeo	Atlantic Institute of Government	Funseam	Funseam
Partners					

Featured events in 2020

Partners					
Funseam	Funseam	University of Deusto	Seres	Funseam	
3rd SESSION CYCLE Workshops on the Circular economy "Renewable Energies, raw materials, new and alternative materials"	4th SESSION CYCLE Workshops on the Circular economy "Opportunities for CO₂ as a resourced, instead of a waste"	WORKSHOPS "Energy and urban transition. Sustainable and smart mobility"	"Radar Seres 2020 Purpose Driven Leadership"	5th SESSION CYCLE Workshops on the circular economy "New consumption patterns"	
october					
november			december		
"Smart cities and Energy challenges"	6th SESSION CYCLE Workshops on the circular economy "Final reflections to define public policies"	THIRD CORELL MOBILITY FORUM Technology and mobility, immediate future	4th WEBINAR CYCLE Energy transition technologies "Waste to fuels"	Presentation of the book by David Victor "Making climate policy work"	5th WEBINAR CYCLE Energy transition technologies "Power to Liquids in action"
Carlos III University of Madrid	Funseam	Think Tank Movilidad Fundación Corell	EsadeGeo	Atlantic Institute of Government	EsadeGeo
Partners					

Network of Repsol Foundation Chairs in Energy Transition

To transfer the relevance of energy transition and climate change to society, Repsol Foundation has moved forwards in the development of the **Network of Repsol Foundation Chairs in Energy Transition** in major Spanish universities. This initiative was created to develop and disseminate knowledge to **support science and academic debate** on one of today's most critical issues: **climate change**.

During this year, different dissemination activities have been carried out within the Repsol Foundation Professorships in Energy Transition with the **University of Barcelona** (UB), created in 2019. An **Observatory on Nature-Based Solutions** (NBS) has been created to study the various alternatives, as well as its potential to contribute to mitigating climate change through the capture and

A network of chairs with major universities to **generate and disseminate rigorous knowledge based on science and technology**

absorption of CO₂. Workshops have also been carried out on this issue to allow companies, researchers and administrations to share the challenges it represents for all parties involved in implementing NBS in the context of combating global warming.



Recovery, storage and use of CO₂

Nature-based solutions

University of Barcelona



Sustainable mobility

Air quality and global carbon footprint in mobility

Polytechnic University. Madrid
Graduate School of Industrial Engineers. UPM



Decarbonisation of industry

Reducing the carbon footprint in industry and its economic and social impact.

Polytechnic University. Madrid



In 2020, **two new Repsol Foundation Chairs in Energy Transition** were created with the Pontifical University of Comillas (ICAI) and the **Polytechnic University of Madrid (UPM)**.

The first will study ways to achieve **sustainable decarbonisation of industry**, integrating the technological, economic and social perspectives.

The second will focus on **sustainable mobility**, initially addressing two lines of work; the global mobility carbon **footprint** and **improving air quality** to promote better knowledge of the carbon neutral future concept and study the role of the latest technologies in controlling emissions.

These chairs will also include activities for students relating to energy transition.

Social Impact Professorship

In addition to the Professorships in Energy Transition, the Foundation also has a Social Impact Professorship, created in partnership with the Pontifical University of Comillas, Open Value Foundation and Management Solutions. Its objective is to promote research and innovation in impact investment.

To contribute to the dissemination and debate, the **Social Impact Laboratory** has been created; a Think Tank of pioneering knowledge in Spain. This laboratory brings together a group of experts to reflect on the future of impact investment, the measurement of its contribution and the risks associated with it, as well as to create a white paper on the issue.



300 + schools
10,000 students

Repsol Foundation is committed to **education** to face the **challenges of the future** of energy from the standpoint of knowledge ■

Zinkers: education for a sustainable future

Repsol Foundation is committed to educating children and young people as a strategic tool to address the challenges of energy and sustainability based on knowledge and a critical, trained and aware spirit.

Through the digital educational platform **Repsol Foundation Zinkers**, it brings key concepts about the challenges of energy transition to the classroom and promotes knowledge, fostering a critical, trained and aware spirit, based on scientific rigour and technological neutrality.

This platform has offered different interactive resources for **secondary education** students (it is also extended to **primary education** in 2021) and teachers through educational programmes with curricular content on energy, climate change and the 2030 Agenda. Developed with innovative methodologies, such as Project-Based Learning (PBL), gamification and flipped classrooms, each programme allows schools to adapt the scheduling to each school year.

For secondary school students, Zinkers works with cross-cutting content with different areas of knowledge (such as physics and chemistry, biology and geology, technology, or history and language) and educational skills such as teamwork, communication, calculation, and problem solving. More than 300 schools throughout Spain and 10,000 students have taken part in the programme since it was launched in 2019.

4 Social and volunteering



Repsol Foundation wants to respond to the social challenges of energy transition and the sustainable development goals. To this end, initiatives are carried out to train vulnerable people to generate job opportunities in the field of energy transition and environmental.

In 2020, the development of projects was limited by the pandemic. However, Repsol Foundation has strengthened itself and adapted to the circumstances, and also helped to alleviate the health emergency situation in the most affected groups.

Training vulnerable groups for employment

Repsol Foundation encourages inclusion through the professional development of people at risk of exclusion through training projects that improve their employability and financial independence.

Once again, one of the most outstanding was the action **Impacto contra la violencia de género** (Impact against gender violence), in collaboration with Fundación Integra. The initiative seeks to improve the employability of women victims of gender violence in Madrid. Despite the health emergency in 2020, of the eight women who took part, three found employment. In the seven editions held, 113 women have taken part, with a 71% rate of access to employment.

Repsol Foundation encourages the training of **vulnerable groups** to promote their employability ■

In its commitment to improve employability and **facilitate the social and workplace integration of young people with difficulties**, the Foundation, in partnership with Fundación Ite, supported the Youths with a Future project for the sixth year. The employability of 40 young people at risk of exclusion was improved through the development of job skills that allow them to integrate into the logistics sector, focused on last-mile delivery.

Solidarity campaign with the Red Cross

The Foundation joined the **Plan Cruz Roja RESPONDE** (Red Cross RESPONDE Plan), which aims to meet the most urgent needs of more than one and a half million people

in vulnerable situations during the health, economic and social emergency. Through the solidarity campaign, the company's employees in Spain were able to make full donations to the programme. The amount collected by the employees, added to the additional donation made from the Foundation, totalled more than 180,000 euros.

For another year, we worked with **Aquí También de Ayuda en Acción** (Help in Action's Here Also) project, which fights against school absenteeism and promotes equal opportunities in educational centres in La Coruña, Puertollano and Tarragona through the delivery of educational materials, meal subsidies, and awareness-raising among students. During the pandemic, the most urgent needs in terms of food, connectivity and computer equipment were met for the most affected students and families.



Reforestation

Repsol Foundation promotes the fight against climate change through reforestation and environmental improvement projects around its Industrial Complexes.

Last year, plantations were made around Cartagena, Tarragona and Muskiz (Bilbao). These plantations have generated job opportunities among vulnerable groups in the area, in addition to helping recover damaged ecosystems through reforestation with native species.

In **Cartagena**, Repsol Foundation and Cartagena City Council launched a project that made it possible to reforest 17 hectares of land on Mount La Atalaya. A total of 4,800 plants of six different species were planted and the local employment of vulnerable groups was promoted through the hiring of twelve people. It is estimated that in the next 50 years, this environmental and social action will absorb a total of 434 tonnes of CO₂.

Reforestation is profitable and sustainable, generates employment and benefits the environment

In **Tarragona**, in the Ribera del Ebro area and in partnership with Flix City Council, 10.5 hectares have been reforested in the area of Ermita de Remei, an area of natural interest affected by a fire in 2019. In total, 5,253 plants of 11 different indigenous species were planted. For this, seven people in vulnerable situations were hired from the Municipal social services. It is estimated that in the next 50 years, this environmental and social action will absorb a total of 769.85 tonnes of CO₂.

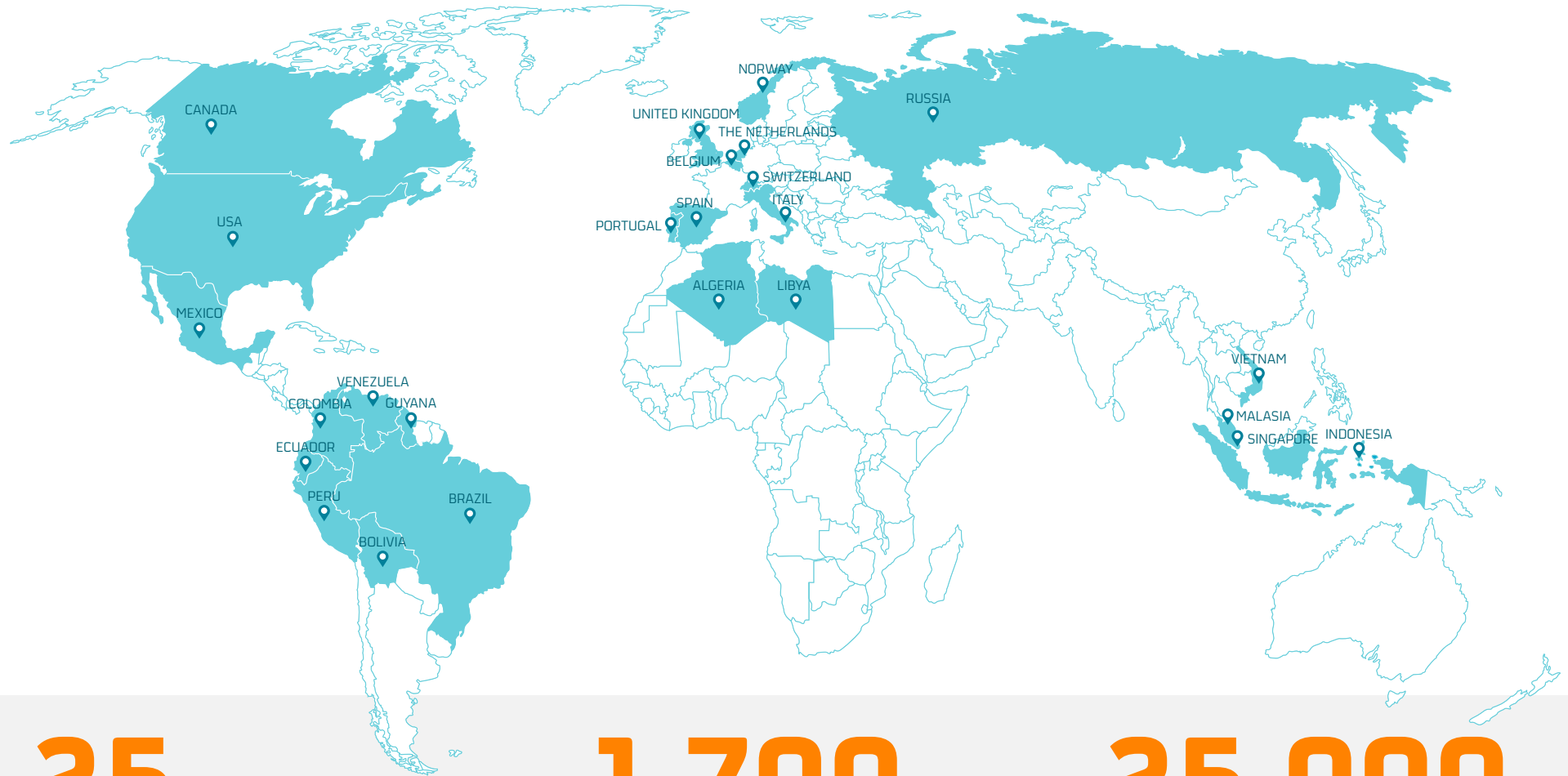
Another reforestation project is that of the Pozas area in **Muskiz, Bilbao**. In collaboration with the Town Hall and the Provincial Council of Vizcaya, a reforestation project has been started on a 7.2-hectare site affected by a fire in 2019.

The planting of 5,500 plants of 11 indigenous species will allow 873.25 tonnes of CO₂ to be absorbed from the atmosphere over the next 30 years.

These projects were carried out by Sylvestris Group, a company specialising in reforestation and rural development, owned by Repsol Foundation.



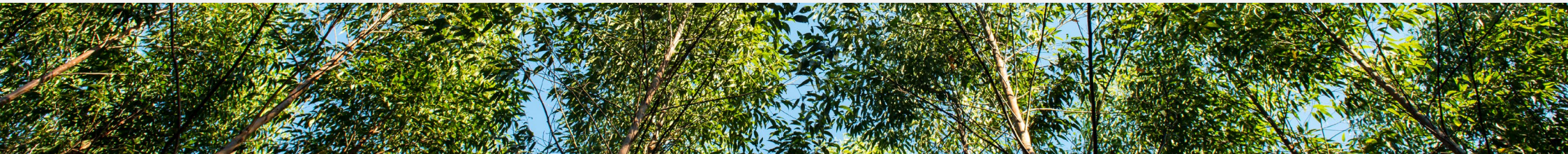
International volunteering week



25
countries

+1,700
volunteers

+25,000
people benefiting



More than 1,700 Repsol volunteers from 25 countries took part in Repsol's Third International Volunteering Week. Various events with more than **75 activities** online and face-to-face – when health conditions so allowed – focused on **SDG 13, Climate Action** (Sustainable Development Goals), which have directly benefited more than 25,000 people.

Likewise, the Repsol team of Volunteers also carried out support actions in response to COVID-19 and contributed to the work of food banks and soup kitchens with the delivery of more than 11 tonnes of food to the Food Bank (FESBAL).

In this edition, Repsol volunteers were able to collaborate in different environmental activities:

- Reforestation and cleaning of natural spaces.
- Online recycling workshops or actions to learn about and implement different types of crops from home.

Thanks to these activities, **more than 140 kg of waste was collected and more than 3,500 trees have been planted.**

At a global level, the online activity “Volunteers for environmental awareness” has been rolled out in all countries, in collaboration with Fundación Pau Costa, in which more than 300 volunteers became agents of change, raising local awareness about the importance of caring for the environment and fire protection.

Other volunteering activities

To meet the needs of the most vulnerable people affected by COVID-19, in 2020 Repsol Foundation joined various initiatives in which volunteers were able to contribute their time accompanying lonely people through letters, emails (*Letters Against Loneliness, Nobody alone*) and phone calls (*Minutes together*) or supporting vulnerable young people to continue their training through online sessions.





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