

# 2022

## Sustainability Plan

### PETRONOR





## Legal notice

This Local Sustainability Plan sets out a set of objectives that, in whole or in part, go beyond what is required by law and are aimed at contributing to sustainable development. The participating companies of the Repsol Group have the firm intention of undertaking and fulfilling all of them. However, they reserve the right to modify, postpone or cancel their compliance without implying legal liability, although they undertake to publicly justify these possible cases.

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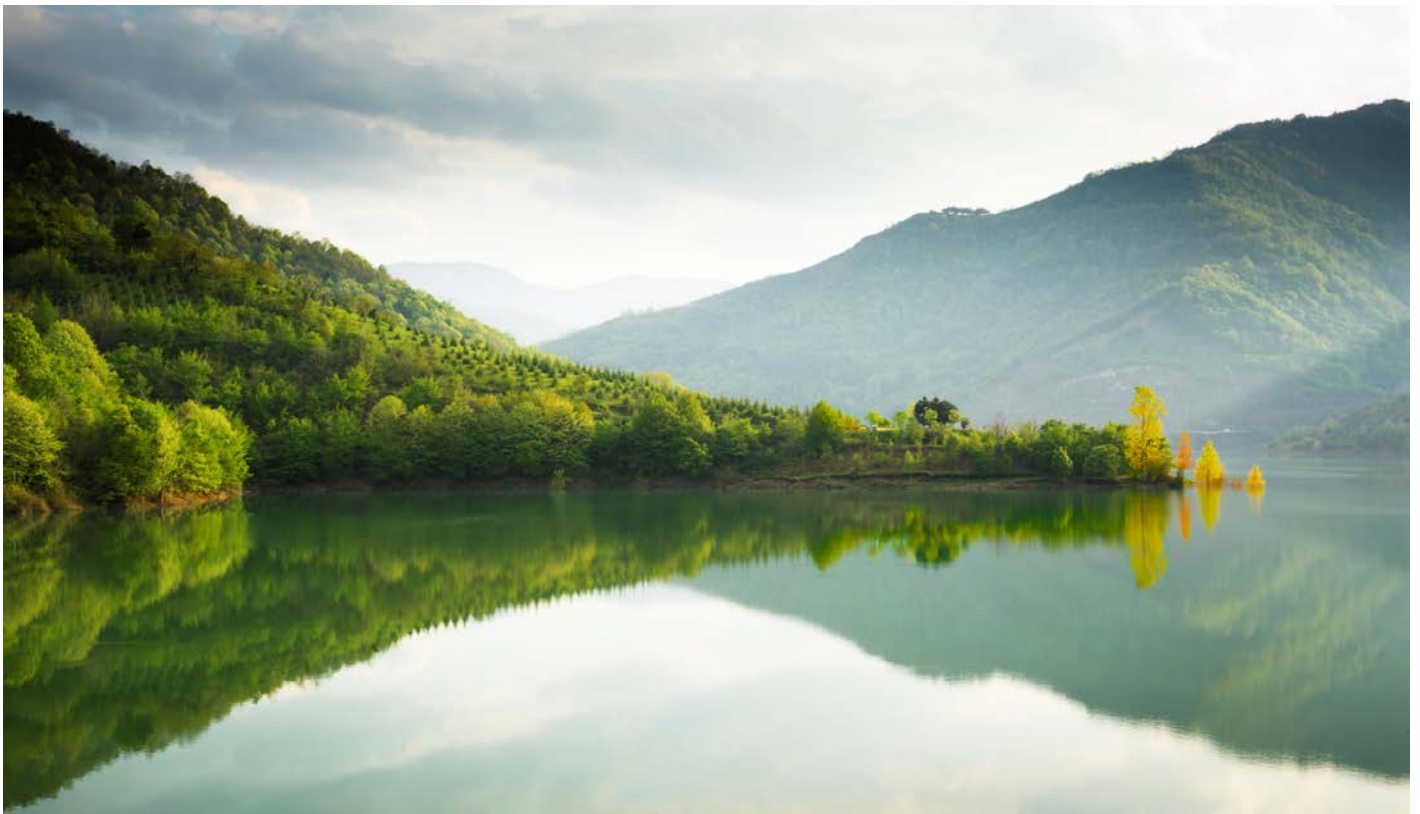
# Our vision of Sustainability

Following our **Sustainability Policy**, at Repsol we contribute to sustainable development by trying to meet the growing demand for energy, which is essential for the realization of people's fundamental rights, and by creating value in the short and long term.

This policy is developed through internal rules and procedures that are organized around our **Sustainability Model**. This model, based on international standards, incorporates ethical, environmental and social considerations in our decision making, based on dialogue with stakeholders globally and locally.

We repeat this exercise every year, generating initiatives that seek to maximize positive impacts and minimize negative impacts on society and the environment throughout our value chain.

This is the origin of our **Sustainability Plans**, public and annual action plans. The **Global Sustainability Plan** is our roadmap and from it we deploy **Local Sustainability Plans** for each country or Industrial Complex, taking into account the specific circumstances and needs of each place where we operate.



# Our vision of Sustainability

The Sustainability Plans are articulated around the six axes of Repsol's Sustainability Model



## Climate change

We aim to be a net zero emissions company by 2050



## Environment

We consume the resources needed to generate power more efficiently and with the least possible impact



## Innovation and technology

We promote innovation and incorporate technological advances to continue growing and improving our environment



## Safe and secure operation

We guarantee the safety and security of our employees, contractors, partners and local community



## People

We believe in people and promote their development and that of the communities where we operate



## Ethics and transparency

We act responsibly and in full wherever we are present



# Sustainable Development Goals

Repsol has supported the United Nations **2030 Agenda** and its **17 Sustainable Development Goals** (SDG) since its approval in 2015 and works to implement it at all levels and businesses. The main efforts are concentrated since 2018 on SDGs 7, 8 and 13, for its role in access to energy, contribution to socioeconomic development and the fight against climate change; SDGs 6, 9 and 12, prioritizing innovation, sustainable management and efficient use of resources in its operations; and SDG 17, establishing alliances with the rest of stakeholders and actively participating in different partnerships.

We annually publish our contribution to the United Nations 2030 Agenda through an

**SDG Report** with numerous indicators, projects and testimonials that show our contribution at global and local level. The SDG Reports are available at [www.repsol.com](http://www.repsol.com).

Aware of the challenges that still exist in terms of the 2030 Agenda, we have been involved in the development of the **IPIECA SDG Roadmap for the oil and gas sector**, which will be a guide in the incorporation of actions linked to the 17 SDGs. Likewise, we are preparing an **SDG Contribution Plan**, which has as a key aspect to continue deepening its measurement, in order to optimize the positive impacts of Repsol.



# Sustainable Development Goals

The **actions** that make up this **Plan**, defined taking into account the local context, contribute to supporting the **2030 Agenda** by addressing the following objectives:



# 2022 Sustainability Plan Summary

# 20

Total actions



Climate change

## 2



Environment

## 7



Innovation and technology

## 4



Safe and secure operation

## 2



People

## 4



Ethics and transparency

## 1



# Climate change

We share society's concern about the effect that human activity is having on the climate and we are firmly committed to the aspiration of limiting the increase in the planet's global average temperature well below 2°C with regard to pre-industrial levels.

Our challenge is to supply energy in a safe, efficient, accessible and sustainable manner, reducing Greenhouse Gas (GHG) emissions in line with the objectives of the Paris Agreement and the Sustainable Development Goals of the United Nations (SDGs).

In December 2019 Repsol publicly expressed that it would align its strategy to be a net-zero emissions company by 2050, making it the first in its sector to set this ambitious goal. With the technological advances available, we anticipate achieving between 80% and 90% net emissions reductions by that year, and we are committed to applying the best technologies to raise this figure, including CO<sub>2</sub> capture, use and storage. Without major technological disruptions, Repsol would rely on natural carbon sinks to reach its goal of zero emissions by 2050.

Accordingly, we have joined the Oil and Gas Climate Initiative (OGCI) to share best practices and technology solutions, and participate in the OGCI Climate Investment Fund, to channel the committed investment of \$1 billion over ten years in the development of technologies to reduce GHG emissions on a significant scale.



# Climate change → Actions



## Action

Improve energy efficiency by using waste heat from production processes.



## Description

As part of the decarbonisation programme, we will install a new heat exchanger for the generation of low-pressure steam, thus making use of the waste heat from HCGO (heavy fuel oil from coke).



## Indicators

1. Reduce emissions of this greenhouse gas by 8.2 kt CO<sub>2</sub>/year.
2. Make an investment of 1,009 k€.



## Contribution to SGDs



# Climate change → Actions



## Action

Ensuring the quality of analytical results related to greenhouse gas emissions.



## Description

We will compare the results of chromatography of fuel gases used in furnaces and boilers, such as Fuel Gas and Natural Gas, by means of intercomparison with another laboratory, accredited with the ISO 170025 standard, guaranteeing the quality of the results of the analysis of samples related to greenhouse gas emissions into the atmosphere.



## Indicators

1. Carry out 1 intercomparison of liquid fuels (fuel oil).
2. Carry out 1 intercomparison of natural gas.



## Contribution to SGDs





## 2022 Sustainability Plan

# Environment

As part of our mission to be an energy company committed to a sustainable world, at Repsol we work prioritizing the necessary actions to minimize the environmental impacts. To this end, we optimize the resources usage that we use in our industrial processes and in our products manufacturing, including water, minimizing impacts on natural capital and biodiversity, air emissions and water discharges, as well as waste generation, giving them a second life whenever possible.

Preservation of natural capital and the implementation of the work model based on circular economy are key aspects when developing our activity. The impacts prevention and minimization, as well as the environment restoration in which our operations are developed, are basic tools in our environmental management. Our goal is to maintain our social license to operate, demonstrating that we are sustainable throughout our value chain, both in our projects and operations, as well as in the products and services we make available to our customers.



# 2022 Sustainability Plan

## Environment → Actions



### Action

Improve early detection of leakage of storage tanks.



### Description

We will strengthen the tank monitoring network to ensure early detection of possible leakage of containment from the bottom of the tank, thus ensuring the protection of the environment and the safety of our facilities.



### Indicators

Install early containment loss detection system in eight tanks.



### Contribution to SGDs



# 2022 Sustainability Plan

## Environment → Actions



### Action

Incorporate bio-based waste as a circular raw material in manufacturing processes.



### Description

We will introduce bio-based waste into our production units. We will produce biofuels with a net zero greenhouse gas (GHG) emissions balance, contributing to a circular economy and the fight against climate change.



### Indicators

1. Formalize an agreement with authorized waste managers.
2. Incorporate at least 1,000 tonnes of bio-based waste as raw material in the manufacture of biofuel.



### Contribution to SGDs





# 2022 Sustainability Plan

## Environment → Actions



### Action

Recover treated water for industrial reuse.



### Description

We will improve the recovery of water from the tertiary system at the Refinery Water Treatment Plant (DAR) to reduce the consumption of fresh water from the Consortium.



### Indicators

Achieve a ratio of m3 of fresh water consumed/ t of Raw Materials Processed = 0.64.



### Contribution to SGDs



# 2022 Sustainability Plan

## Environment → Actions



### Action

Improving the energy balance in water treatment.



### Description

We will install ammonium ion analyzers in the acid water exhausters of the units known as TV3 and TF3, in order to optimize steam consumption and improve the quality of the effluent water to the refinery's water treatment plant, which will minimize odour impacts on the waste water treatment plant (WWTP) and improve its quality.



### Indicators

1. Decrease the steam consumption/load ratio by 5%. Taking 2021 as the base year.
2. To reduce CO<sub>2</sub> emissions by 780 tn CO<sub>2</sub>/year.



### Contribution to SGDs



# 2022 Sustainability Plan

## Environment → Actions



### Action

Train Petronor, S.A. leaders in the knowledge of the 2030 SDGs.



### Description

We will promote awareness of the SDG 2030 among the company's leaders, thus consolidating the focus on sustainability in all activities and levels of the organization. In this way, all actions must be aligned with Repsol's commitments to the SDG 2030.



### Indicators

Train 60 Petronor leaders in the knowledge of the 2030 SDGs through the ODStories training course.



### Contribution to SGDs





## 2022 Sustainability Plan

# Environment → Actions



### Action

Promote environmental volunteering for the natural improvement of ecosystems.



### Description

By promoting environmental volunteering, we will replace allochthonous tree species with others typical of the Atlantic forest on Petronor's own non-industrial land, in coordination with the Department of Rural Environment Management of Bizkaia.



### Indicators

1. Carry out an activity to plant 260 trees.
2. Participation of at least twenty volunteers in the tree planting activity.



### Contribution to SGDs



# 2022 Sustainability Plan

## Environment → Actions



### Action

To ensure the quality of analytical results related to the return of treated water to the sea.



### Description

We will guarantee the quality of the results of the analysis of samples related to environmental impact. We will carry out analytical intercomparisons with reference laboratories on aspects related to the quality tests for the discharge of treated water into the sea.



### Indicators

1. Carry out six intercomparisons with other laboratories.
2. Exceed 90% certainty in the total number of analyses performed.



### Contribution to SGDs



# Innovation and technology

Technological innovation is an essential lever for building more sustainable energy models and meeting the challenge of decarbonizing our products and services.

Repsol Technology Lab is one of the most cutting-edge private R&D models in Spain, working on the detection, validation and development of technologies that will help us achieve the ambitious goal of decarbonization that we have set ourselves as a company.

Our own research work is complemented by the Corporate Venturing investment fund and an open innovation strategy, establishing alliances with technology centers, companies and universities around the world.

In addition, Repsol participates together with its partners in the Oil&Gas sector in the OGCI Climate Investments (OCGI-CI), a vehicle for channeling committed investment of more than 1 billion dollars in startups with the aim of combating climate change by reducing greenhouse gas emissions associated with energy supply.

Also, since its creation in 2017, the Repsol Digitalization Program has maintained a firm commitment to Sustainability, contributing to the digital transformation of business units, generating value throughout the activity chain.



# Innovation and technology → Actions



## Action

Promote projects for the manufacture of synthetic fuels.



## Description

We will draw up the project for the construction of synthetic fuel production facilities, using renewable hydrogen (H<sub>2</sub>) and captured carbon dioxide (CO<sub>2</sub>) as raw materials.



## Indicators

1. Carrying out of the basic engineering for the project.
2. Launch of the request for tender for the 10MW electrolyser.



## Contribution to SGDs





# Innovation and technology → Actions



## Action

Drawing up the construction project for the renewable hydrogen production facility.



## Description

We will carry out the project for the construction of the facilities for the production of renewable hydrogen (H<sub>2</sub>) generated from gas obtained by gasification of municipal solid waste.



## Indicators

1. Carrying out engineering studies of the facility.
2. Carrying out studies linked to the logistics of processing, transport and storage of raw materials.



## Contribution to SGDs



# Innovation and technology → Actions



## Action

To develop eco-aggregate aggregates, allowing the creation of CO<sub>2</sub> sinks, for use in construction.



## Description

We will execute the project for the construction of the carbon dioxide (CO<sub>2</sub>) fixation facilities that we will use in the manufacture of eco-aggregates for use in civil works from waste. In this way, we contribute at the same time to the circular economy and the decarbonization of the industrial complex.



## Indicators

1. Carrying out tests on raw materials to optimize the formulation and manufacture of eco-aggregate.
2. Preparation of the necessary information for the processing of construction permits for the plant.



## Contribution to SGDs



# Innovation and technology → Actions



## Action

Build an electrolyser for renewable hydrogen production.



## Description

We will begin construction of the facilities needed to produce renewable hydrogen (H<sub>2</sub>) with mobility purity, by means of a 2.5 MW electrolyser located at the Muskiz-Abanto-Zierbena refinery.



## Indicators

1. Start of works for the implementation of the project.
2. Testing, commissioning and start-up of renewable hydrogen production.



## Contribution to SDGs



# Safe and secure operation

Maintaining excellent safety performance is for Repsol a moral obligation and an indispensable condition in our operations. Our ambition has always been to avoid any harm or negative impact on people, the environment, neighboring communities and the facilities themselves.

Now, with the incorporation of new businesses and the transformation of our industrial assets to meet decarbonization targets, we are strengthening our safety processes and updating them for a changing environment. We rely on the robustness of our processes and the use of the highest standards, and complement them with a safety culture that promotes early identification and correction of unsafe conditions.

In the current global context, with the acceleration of the digitalization process of society, secure operation also extends to digital operations, and cybersecurity is gaining more and more importance.

We have been working on cycles of improvement and adaptation our processes and information technologies for more than a decade. Also aware that it is an environment that is constantly evolving and gaining complexity, far from stabilizing the effort, we increase it in each cycle.





## Safe and secure operation → Actions



### Action

Conduct emergency drills together with public institutions.



### Description

We will carry out an emergency drill and three training days to learn about the industrial extinguishing systems available at the refinery and maritime terminal. We will count on the participation of institutions responsible for public safety (Ertzaintza, SOS-deiak, fire brigade, etc.) in order to contribute to industrial and personal safety at the refinery and its surroundings.

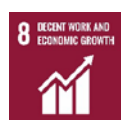


### Indicators

1. Carry out a joint drill with the aforementioned institutions.
2. Carry out three training days with the fire brigade of the Provincial Council of Bizkaia.



### Contribution to SGDs



## Safe and secure operation → Actions



### Action

To train, in industrial safety matters, the people who will be involved in the general scheduled shutdown of the Fuel Oil Reduction Unit (URF).



### Description

We will train the people who will intervene in the general programmed shutdown in the units of the URF area. Both the shutdown teams of supplier companies and Petronor's own teams.

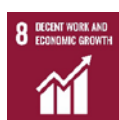


### Indicators

1. To train 2,400 people from industrial service providers.
2. To train 350 people from Petronor's own staff.



### Contribution to SGDs



# People

Our employees, communities, commercial relations, and customers are a primary axis in our Sustainability Model. We know that the people that make up Repsol are our main competitive advantage and the key to being a sustainable company. We are committed to equal opportunities, the management of diverse talent focused on the employee, work-life balance, training and development, and attracting and retaining talent.

Business operations are carried out in an increasingly demanding and informed social environment, and companies strive to establish sound relationships based on the principles of respect, cultural sensitivity, integrity, accountability, transparency, good faith, and non-discrimination with the people they interact with, particularly local communities.

At Repsol, we are committed to continue respecting human rights, and this means preventing our activities from having negative impacts for local people and, if such a thing does occur, doing everything possible to repair the damage done.





### Action

To promote quality education and reduce inequalities among university students in the surrounding area.



### Description

We will enable chemical engineering students to carry out their final degree project in the laboratory.



### Indicators

To allow undergraduate students to carry out their final degree project in the laboratory.



### Contribution to SDGs







### Action

Collaborate with local institutions in the area by acquiring pumping systems to alleviate flooding.



### Description

We will purchase suitable pumping equipment, compatible with municipal infrastructures, to provide assistance in flooding episodes in Muskiz.



### Indicators

Acquire pumping equipment to evacuate water in flood areas in Muskiz.



### Contribution to SGDs





### Action

Promote equal opportunities through the recruitment of people with disabilities.



### Description

We will hire people with disabilities, surpassing the legal requirement of reaching 2% of this condition in the group of people employed.

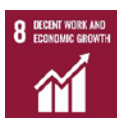


### Indicators

Achieve 2.35% of people with disabilities in the workforce.



### Contribution to SDGs





### Action

Training unemployed people to improve their skills and reduce inequalities.



### Description

We will train as Continuous Production Plant Operators (OPPC) prior to the hiring and incorporation of these professionals to Petronor S.A. staff, seeking to reduce inequalities and promoting decent work and economic growth.

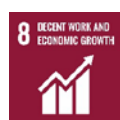


### Indicators

1. Train 34 people to achieve ownership of production units.
2. Hire at least 80% of the people trained in the OPPC course.



### Contribution to SGDs



## Ethics and transparency

We act with integrity in all countries in which we are present. Our ethical conduct involves strict compliance with both the letter and the spirit of the law.

On this axis, we establish the set of actions that ensure the company promotes and encourages a culture of integrity and responsibility for all Repsol employees, as well as our suppliers, contractors, and business partners.

We also define transparency and accountability as differential elements in the Repsol Sustainability Model. To be credible, it is essential to be consistently transparent.





## Ethics and transparency → Actions



### Action

Promote active communication with stakeholders to inform them about environmental aspects, industrial safety and employment generation.



### Description

We will hold at least four sessions of the Muskiz and Abanto-Zierbena Public Advisory Panels. We will deal with issues that Petronor considers to be of interest, such as: environmental aspects, industrial safety, job creation, mainly, and others proposed by the people attending the panels.



### Indicators

To hold four sessions in each municipality, Muskiz and Abanto-Zierbena.



### Contribution to SGDs



# Process of updating the Plan

## **This Sustainability Plan is a dynamic document**

Each year we will give an account of the extent to which the actions that make up this Plan have been carried out by publishing a monitoring report.

Moreover, given that the expectations of our stakeholders and the issues that concern them are changeable and subject to the evolution of events during the course of the year, this Plan will be updated annually with new actions or the reformulation of existing ones to adapt them to the new situation.

The successive updates of the plan will leave behind them a trail of completed actions that, collectively, are a contribution of our company to sustainable development.



# 2022

Sustainability Plan