Impact report 2019

Climate Neutral Group
for better business

greenseat
jij maakt het mogelijk

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The publishing of this Impact Report coincided with the global Covid-19 pandemic in the spring of 2020. Due to less production in Asia, and the resulting reduction in small particles in the atmosphere, the Himalayan mountains are unusually and suddenly visible from a distance.

Mission
Together from A to Zero CO_2

The Coronavirus crisis has brought the world to a standstill. Humanity has demonstrated a remarkable resilience in adapting behaviour accordingly. As a result, pollution and CO_2 emissions have dramatically decreased and, because of this, nature is recovering. This is really hopeful, particularly for the fight against the climate crisis. If we are able to retain some of this new behaviour, we will continue to achieve enormous climate gains that will bring us closer to our 2050 goals, and help organisations on their way from A to Zero carbon emissions.

Climate Neutral Group's mission is 'Net Zero' carbon emissions by 2050. Our strategy is to guide organisations from A to Zero CO_2 by first calculating the CO_2 footprint of their entire business, and then implementing an effective reduction strategy, which includes carbon offsetting and other remedial actions.
The Climate Neutral Certification process and subsequent results are tested against strict criteria that make all efforts transparent and visible. With GreenSeat, CNG's brand, (business)travelers can offset the impact of their trips, mainly flights. Offsetting through climate projects elsewhere in the world is the only way to neutralise the remaining and unavoidable CO_2 emissions – these projects aim to reduce CO_2 internationally, thereby limiting global climate change. Investment in these carefully selected climate projects is an important cornerstone of CO_2 reduction and contributes to social upliftment in vulnerable communities.
This report provides insight into the impact made by Climate Neutral Group and our clients in 2019. With an increased number of projects, we not only expanded our impact, but also improved efficacy across all areas of our business. We are proud of the results and growing ambitions of our clients, which are successfully helping to combat climate change and bringing us that much closer to our 2050 goal of 'Net Zero' carbon emissions.

René Toet, Managing Director Climate Neutral Group & GreenSeat

Impact 2019

A TO ZERO CO_2

Our A to Zero CO_2 approach started in 2019 – the ongoing strategy includes four steps: FOOTPRINTING; REDUCTION; OFFSETTING and CERTIFICATION. Under the guidance of our team of expert consultants, more than 35 organisations are being helped to achieve realistic climate goals.

FOOTPRINTING

In 2019, CNG has exceeded the limit of **3,500** Footprintsfor multiple sectors including: service providers, manufacturing companies, industry and NGOs.

Over **150** different Carbon LCA (**Life Cycle Analysis**) calculations have been made – a **35%** increase in the number of Footprints.

CNG performed carbon footprint reports on a number of products including coffee, tea, bananas, packaging, print and even birdseed.

For more than **100** organisations, CNG calculated the CO_2 emissions from their business air travel through a link of our Flight Calculator with their travel agent's booking system (e.g. BCD, VCK and ATPI), which arrange the offsetting of the flights.

Carbon Circle of Influence

By looking beyond their own CO_2 footprint, we provided insights to both Schiphol airport and the port of Rotterdam on how they might consider CO_2 reduction initiatives.

REDUCTION

Energy

More than **100** Energy Scans have been carried out with CO_2 reduction advice that includes ROI (Return on Investment) calculations. The recommended measures are implemented with care and advice, provided on applying for subsidies where appropriate, i.e. the installation of solar panels. The Energy Scans are funded by municipalities and used to inspire businesses to save energy.

Towards a sustainable travel policy

A sustainable business travel policy was applied to more than **10** internationally operating organisations. The policies were determined through Travelscan, which analyses flights and the net effect of possible carbon reduction measures. Our sustainable business travel experts delivered multiple workshops for Uber as well as Travel and CSR managers at The NATM Convention & Trade Show.

Mobility advise

Sustainable mobility strategies were provided to **35** businesses after performing an in-depth scan on the CO_2 emissions of each business' mobility and commuting activities. Considering mobility has an average share of 50% of an organisation's total carbon footprint, the transition to public transport, sharing of cars and electrification of fleets has already resulted in substantial CO_2 reductions.

OFFSETTING

739,583 tonnes of CO_2 were offset - an increase of **40%** compared with 2018.

What this looks like:

40 mill.
= number of trees grown in 1 year

389,254
= number of return flights between Amsterdam and New York

67,354
= number of trips around the equator by car

60% of the total tonnes CO_2 were offset with Gold Standard credits.

Gold Standard
Climate Security & Sustainable Development

23% of the total tonnes CO_2 were offset with VCS.

VCS VERIFIED CARBON STANDARD

New to the portfolio: Diverse forest conservation projects.

National Carbon market in The Netherlands

The first offset project that we exclusively offer in The Netherlands is a *methane fermentation project.*

CERTIFICATION

More than **60** organisations, products, brands and services are now using the Climate Neutral Guaranteed label. The quantity of labelled products including coffee, tea and bananas, which are available in various supermarket chains, is creating increased awareness and interest. To date, more than **2 million** products in stores carry the Climate Neutral Guaranteed label.

iseal alliance member

Due to increased interest in the certification, the programme was updated in early 2019 in line with ISEAL guidelines. ISEAL is the global membership organisation for credible sustainability standards. The process takes two years in its entirety and entails stakeholder consultations, the setting up of an Advisory Board and aligning certification bodies. Existing certification holders are now in a transition phase, whereas new Climate Neutral Group relationships will start directly with the updated certification standard, which aligns with the goals set out in the Paris Climate Agreement.

Featured cases 2019
from A to Zero CO_2

NORDIAN CAPITAL PARTNERS

Nordian Capital Partners was the first organisation we guided from A to Zero CO_2 in line with the Paris Climate Agreement. All 13 Nordian participating partners are also following this approach - implementing our CO_2 management software and planning their future climate conscious decisions. The reduction strategy is currently in development and will be implemented soon.

PLUS

Since 2017, PLUS supermarkets have stocked Climate Neutral Guaranteed coffee and tea with bananas being added in 2019. The supply chain has been made transparent through the use of blockchain technology, allowing for the CO_2 footprint data of bananas to be made completely transparent. This year, we are working on reduction and 'Insetting', reduction in the chain will be explored further in order to ensure that bananas meet the certification criteria for years to come.

wetransfer

WeTransfer's goal is to ensure the sending of large files over the worldwide web is climate neutral, which accounts for most of the organisation's carbon footprint. Serious reduction measures are planned through certification for a Zero CO_2 outcome.

BCD travel

BCD, one of the largest business travel agents in the world, has worked with the Climate Neutral Group for many years to fully integrate their CO_2 impact and offsetting strategies into their booking system in the Benelux. BCD will soon be rolling out the solution globally via their Solution Source platform.

Vitens Evides International (VEI)

VEI is an international partner organisation consisting of six water supply companies in the Netherlands that contributes to improving water supply in developing countries. We assist VEI in accrediting their "well" projects in accordance with the WWF's Gold Standard. We are deploying our expert consultants in offset project development from our office in South Africa to facilitate this project.

In June 2019, Albert Heijn introduced Climate Neutral coffee in its supermarkets. The entire range of Perla coffee is now labelled a Climate Neutral Guaranteed product. Since the autumn of 2019, the 'Join-the- Cup' coffee brand, also with the Climate Neutral Guaranteed label, has been available on their shelves.

MOOTRAL

The Swiss Agro Tech company Mootral has developed an alternative feed for cows made of natural garlic and citrus that reduces methane emissions from dairy cattle by 30%. CNG assisted them in setting up a new methodology for determining methane reduction for certification purposes in order to obtain carbon credits. Our expert consultants, who specialise in the development and certification of offsetting projects, worked on this project from our office in South Africa. The newly developed methodology was accepted in December 2019 by Verra (VCS) for the international voluntary market for offsetting. In theory, the project can reduce 1.5 Gton CO_{2e} globally.

DE GROENE CLUB

'The Green Club' initiative from the KNVB, the largest Dutch sports association, now guides more than 500 sports clubs on sustainability. So far, they have invested over € 3.1 million in sustainable measures such as LED field lighting and solar panels. The result is a reduction of 1,327 tonnes of CO_2 annually - equivalent to more than 2 million kWh of electricity and 14,000 m^3 of gas. CNG has led the transformation which has included other sport associations, such as tennis, hockey and water sports. CNG will also be leading KNVB's new smart mobility programme 'GO!'

RCN VAKANTIEPARKEN

CNG is developing an energy reduction programme for 17 RCN Holiday Parks in the Netherlands and France. The CO_2 footprint per location has been established and we are currently formulating a reduction plan that aligns with the objectives of the Paris Climate Agreement. In addition, we are also active in controlling and managing their energy (costs) by, for example, setting up the collective purchasing of energy, connection management and monitoring. Our expert consultant who is leading the project, was also the project lead at the Green Club (KNVB) for the past for 2.5 years.

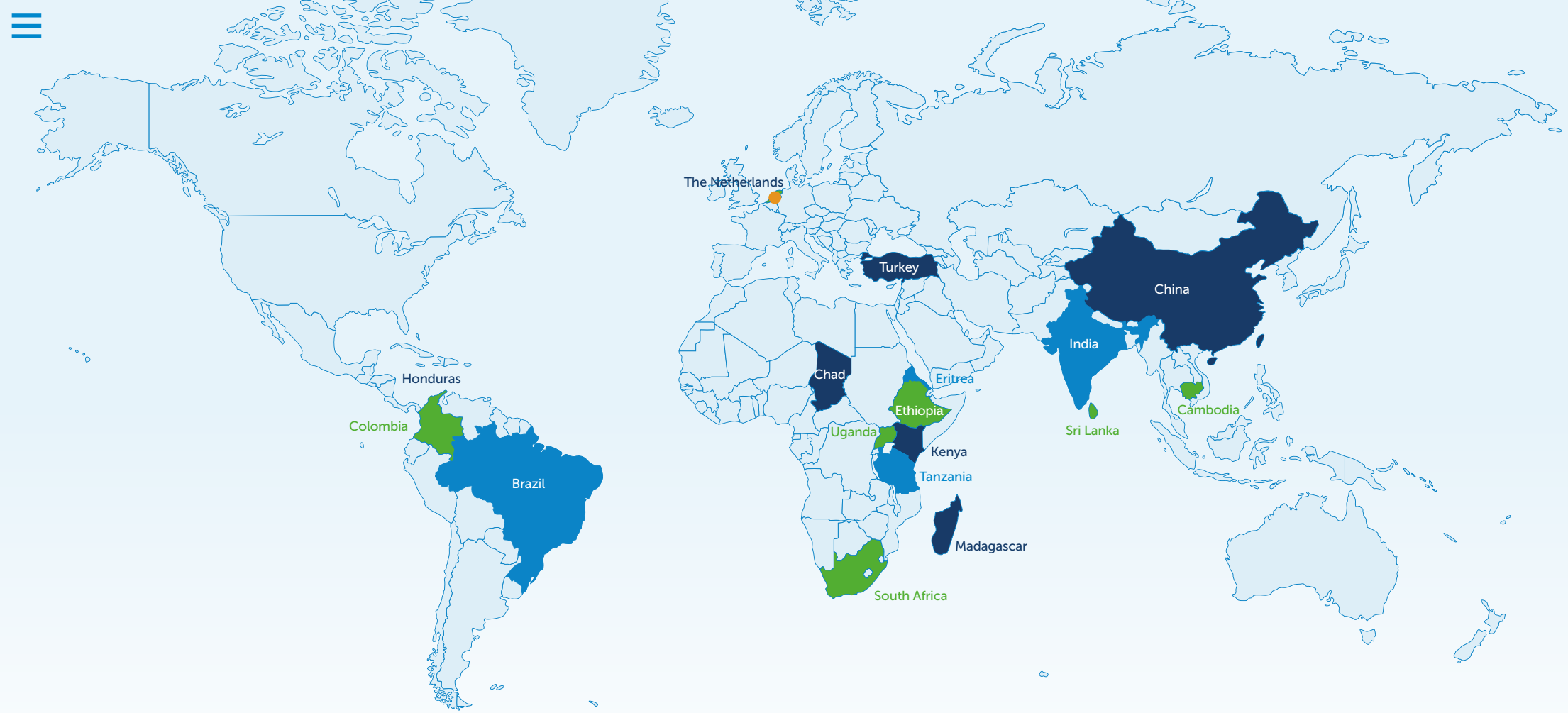
Boundaryless **Offsetting**

HOW WE OFFSET CO_2 FOR OUR CUSTOMERS

The projects with which we offset CO_2 emissions provide more than just CO_2 reduction. They also contribute to an improvement in the overall quality of life and standard of living of the local population in developing countries. The world can only become climate neutral if western countries ensure that developing countries can also reduce emissions. The mechanism of offsetting is inextricably linked to this and is therefore, without boundaries.

MORE THAN 67,000 TIMES AROUND THE EARTH

In 2018, together with our clients, we collectively offset 739,583 tonnes of CO_2. This is equivalent to the CO_2 emissions of more than 85,000 households in the Netherlands per year, or almost half of the city of Utrecht. This number could also be understood as the equivalent of 389,254 return flights from Amsterdam to New York, or 67,354 trips around the equator by car.



The Impact of Carbon Offsetting

Reduction is an important part of a climate neutral business but there are often residual emissions that cannot be eliminated. Offsetting is the only way to get to zero. This can be achieved by investing in carefully selected sustainable projects in developing countries. People in developing countries are more vulnerable to climate change and often do not have access to energy, let alone clean energy. In addition, their options for work, education and health are limited. With an investment in sustainable climate projects, CO_2 is reduced locally whilst also helping to boost local economies.

All our climate projects contribute to the Sustainable Development Goals of the United Nations

Efficient Cookstoves in Uganda

This climate project invests in the local production, distribution and sale of efficient cookstoves to make them widely accessible to households in Uganda.

ABOUT THE CLIMATE PROJECT

In Uganda, 90 percent of households cook over open fires or on inefficient traditional charcoal cookstoves. The smoke that is released during this process is extremely bad for their health. Worldwide, more than four million people die each year from lung diseases caused by cooking over open fire and charcoal; that is more than AIDS, malaria and TB combined. In addition, this method of cooking has a huge impact on the climate. It causes severe deforestation, which means that biodiversity is under enormous threat by the consequences of climate change. On average, poor families spend 15 percent of their income on wood or charcoal for cooking.

It especially affects the economic and social development of women and children, who spend hours every day collecting wood and cooking. If they gather wood themselves, it takes an average of seven hours a day, which cannot be spent on paid work, education or the household. To combat these serious consequences for the climate, poverty and health, the project is investing in the local production and sale of efficient cookstoves. Thanks to the clever design of the cookstove, up to 50 percent less fuel (wood or charcoal) is required for cooking and much less smoke is released.

AFRICA

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COOKSTOVES

Gold Standard – Climate Security & Sustainable Development

96,035 cookstoves are placed in 2019 by the contribution from all CNG relations.

187,047 tonnes of CO_2 is achieved through the contribution of CNG clients.

1 saves an average **1.95** tonnes of CO_2 per year.

€ 11 mio euro per year on total expenditure saved on expenditure on charcoal by the contribution of all relations of CNG.

33.5 mio kg of wood saved per year, thanks to the contribution of CNG clients.

= over **450,000** people have been reached with efficient cooking, cost reduction and improved air quality, thanks to the contribution of CNG clients.

= **25** people have a job within the climate project.

= **1,000** retailers sell the efficient cookstoves, the majority of whom are women, because of an active policy encouraging this.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY · 3 GOOD HEALTH AND WELL-BEING · 5 GENDER EQUALITY · 7 AFFORDABLE AND CLEAN ENERGY · 8 DECENT WORK AND ECONOMIC GROWTH · 13 CLIMATE ACTION · 15 LIFE ON LAND

PARTNERSHIP

Climate Neutral Group is working with this climate project in order to provide upfront investment for the production, distribution and sale of cookstoves. The project makes efficient cookstoves accessible for the poorest part of the Ugandan population.

BENEFITS:

Climate and environment

Thanks to the efficient combustion provided by the cookstove, up to 50 percent less wood and/or charcoal is required, which means:

- Better air quality.
- Reduction of deforestation.
- Improvement in biodiversity.
- Less climate change, through CO_2 reduction.

Social and economy

- Better quality of life for women and children (primarily), because they spend less time gathering wood and cooking inefficiently and therefore have more time for other things such as education or running a business.
- Contribution to local employment through production and sales.

Health

- Reduction in the four million deaths a year due to cooking over an open fire.
- Fewer neck and back problems, due to carrying less wood.

COOKSTOVES
UGANDA

Biogas in Africa

This offset project invests in improving the access to biogas amongst rural households with a small farm in Africa. This initiative stimulates and helps people change from cooking on open fires to cooking with biogas.

ABOUT THE CLIMATE PROJECT

The Hivos Foundation in collaboration with SNV the Netherlands has introduced biogas installations across Africa with their Africa Biogas Partnership Programme (ABPP). This offset project provides access to such biogas installations in rural Tanzania. They are installed on recipients' land by local construction companies.

Even if a family owns just two cows, these digesters can generate enough gas for cooking and lighting. After the manure is placed in the digester, it turns it into biogas that is piped to people's homes, where it can be used for cooking or lighting. The by-product – a bio-slurry – is a powerful organic fertiliser. With that, the farmer can replace expensive, chemical fertilisers with own organic slurry. Quite a few families have also connected toilets to their biogas digester, which then turns the human waste into sustainable energy as well.

COLLABORATION

Climate Neutral Group, in collaboration with the Hivos Foundation, helps improve access to such biogas installations by investing in the project through the purchase of carbon credits. Local entrepreneurs are trained to build, install, and maintain the digesters. Households invest in the

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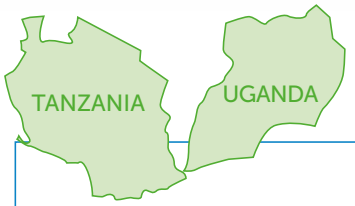

BIOGAS AFRICA

Gold Standard Climate Security & Sustainable Development

5,267 biogas installations made possible by CNG clients who chose to contribute to this project.

1 biogas installation in Africa saves an average of **7.8** tonnes CO_2.

41,326 tonnes of CO_2 reduction, made possible through CNG clients.

36 mio kg wood and charcoal has been saved through the contribution of CNG clients.

BIO Chemical fertilisers have been replaced by organic manure (bio-slurry), a by-product of biogas production. This bio-slurry contributes directly to cost savings, averaging **$ 50** per household per year. **99%** of farmers with a biodigester can completely replace their chemical fertilizer by bio slurry.

= **43,370** people benefit daily from cooking on biogas, cost reduction and improved air quality due to the contribution of CNG clients.

= **1,793** bricklayers have been trained locally to be able to build biogas installations. Regular construction orders give them an important basis and continuity in revenue.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

1 NO POVERTY · 3 GOOD HEALTH AND WELL-BEING · 5 GENDER EQUALITY · 7 AFFORDABLE AND CLEAN ENERGY · 8 DECENT WORK AND ECONOMIC GROWTH · 13 CLIMATE ACTION · 15 LIFE ON LAND

systems themselves and are supported by the project. Remaining costs are covered by micro-loans. This project carries a Gold Standard certification.

BENEFITS:

Climate and Environment

A biogas installation makes wood and charcoal for cooking and lighting obsolete. This:

- Improves the quality of indoor air and living conditions.
- Boosts the region's biodiversity. The bio-slurry is much better for the soil than artificial fertiliser.
- Fights deforestation.
- Combats climate change because it reduces the emission of CO_2 and methane in the atmosphere. The latter greenhouse gas is about 28 times more potent than CO_2.

Social and Economic

- Biogas improves the living conditions of women. Thanks to these digesters, women and children spend considerably less time on collecting firewood, leaving them with more time to spend with their families, find unemployment and socialise.
- Lighting based on biogas stretches the days and improves living conditions.
- Biogas boosts employment opportunities.
- The bio-slurry increases agricultural output and food security.

Health

- Fewer fatalities due to indoor air pollution because of indoor open fires. Smoke and soot caused by open cooking fires kill 4 million people per year, globally.
- Fewer neck and back problems as people carry less wood.
- Better hygiene due to the installation of biogas toilets and collection of manure from the animals.




BIOGAS
AFRICA






Clean water in Uganda and Eritrea

This climate project ensures the installation, renovation and maintenance of wells in Africa with the aim of making them widely accessible to rural residents. The project is active in Uganda, Rwanda, Malawi and Eritrea. Access to clean drinking water is vital.

ABOUT THE PROJECT

The project supports access to clean water to local households in Uganda, Rwanda, Malawi and Eritrea. Over the years, many wells have been used to provide local communities with clean water. The quality of the wells left a lot to be desired and little attention has been paid to the maintenance. These wells quickly became out of use. Thanks to carbon financing, the wells can be renovated by local contractors. Villagers are trained to carry out the maintenance themselves, because the well becomes the property of the local community and is accessible to all villagers.

When necessary, the well can now be repaired by locally trained plumbers.

PARTNERSHIP

Climate Neutral Group contributes to the creation and maintenance of wells by investing through carbon credits, also called CO_2 credits. Local entrepreneurs are trained in the construction and maintenance of the wells. The project is officially certified by Gold Standard.

AFRICA

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CLEAN WATER

VCS VERIFIED CARBON STANDARD
A Global Benchmark for Carbon

68 wells have been repaired, **57** of which have been made possible by clients of CNG.

47,609 tonnes of CO_2 reduction was achieved, **39,563** tonnes of which was made possible by CNG clients.

1 well reduces **700** tonnes of CO_2 per year.

139,400 kg wood saved by all households because the water no longer needs to be boiled. Contribution CNG clients: **115,841** kg wood.

4 hours saved per week per household because less wood needs to be gathered.

5.6 kg wood saved per household.

= **41,822** people have been reached with the boreholes.

= **5** people are on the payroll of the project. Local contractors have a job repairing the boreholes.

= All villages having a restored in the neighborhood, must set up a 'water board', in which at least **one** woman participates.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

BENEFITS:

Climate and environment

- Combats climate change through CO_2 reduction.
- Better air quality.
- Reduces the use of firewood and supports the conservation of existing forests.
- It contributes to the conservation of biodiversity.

Social and economy

- Women do not have to walk more than 500 meters for clean water and collect less wood; not only saves time, but also ensures that women end up less in unsafe situations
- The 'water management' responsible for management and maintenance is part of the community. It is mandatory to have at least one woman on the board. This ensures the development of community spirit and women's emancipation.
- Employment and knowledge building for local contractors and plumbers.
- Less spending on firewood, leaving more money for food, health care, education, etc.

Health

- Fewer deaths from contaminated water.
- Indirect control of millions of deaths from less inhalation of harmful smoke.
- Less neck and back problems, due to less water wearing jerry cans/wood.
- Increased hygiene through information about the need for toilets, hand washing with soap and how to make it themselves.

CLEAN WATER UGANDA AND ERITREA

Biogas in Cambodia

This offset project invests in making biogas installations available in Cambodia, aiming to increase rural people's access to a sustainable supply of clean energy. The initiative was established by Cambodia's National Biodigester Programme, which is a collaboration between the local department of Forestries and Fisheries and SNV The Netherlands.

ABOUT THE PROJECT

Many Cambodians in rural areas don't have access to modern energy sources such as gas and electricity. They are therefore forced to prepare their meals on open wood fires. This is bad for people's health, expensive, time-consuming, and harmful to the environment. Having a biogas installation can be a solution. A typical biogas installation requires about two cows to produce enough gas for lighting and cooking.

This project makes biogas installations accessible to rural households in Cambodia. The systems are installed on the recipient's land by local builders. Cow dung is collected in the installation, which digests it and turns it into biogas. After being piped into people's homes, it can be used for cooking and lighting. The remaining bio-slurry serves as an organic fertiliser. A number of families have connected special biogas toilets to their systems, turning human waste into more gas.

ASIA

Climate Neutral Group
for better business

CAMBODIA

BIOGAS

Gold Standard
Climate Security & Sustainable Development

12,888 biogas installations are made possible by CNG clients who chose to contribute to this project.

1,326 new toilets have been connected to a biogas installation, which are made possible by CNG clients.

59,067 tonnes of CO_2 reduction which is made possible by CNG clients.

1 biogas installation saves an average of **5.5** tonned CO_2 per year.

$ 1.7 mio saved on expenditures through the contribution of the relations of CNG.

Per year **14 mio** kg wood and charcoal as fuel replaced by biogas.

BIO

Chemical fertilisers have been replaced by organic manure (bio-slurry), a by-product of biogas production. This bio-slurry contributes directly to cost savings, averaging **$ 50** per household per year. **99%** of farmers with a biodigester can completely replaced their chemical fertilizer by bio slurry.

= **50,980** people benefit daily from cooking on biogas, cost reduction and improved air quality due to the contribution of CNG clients.

= **146** people have a job through the climate project.

= **99** construction companies are actively involved in the project, with more than **771** employees (bricklayers and supervisors) who have been trained.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

BIOGAS CAMBODIA

PARTNERSHIP

Climate Neutral Group works together with the climate project on the knowledge and technology to provide biodigesters by upfront investment through carbon credits, also known as CO_2 credits. Local entrepreneurs are trained in the construction and maintenance of the installations. Families themselves invest in the purchase of a biodigester and are supported in doing so by the project. The other costs are often covered using microfinancing.

BENEFITS:

Climate and environment

Biogas installations cut people's reliance on firewood. This:

- Improves a household's indoor air quality and living conditions.
- Boosts the region's biodiversity. The bio-slurry is much better for the soil than artificial fertiliser.
- Fights deforestation.
- Combats climate change by reducing greenhouse gases like methane, which is 28 times more powerful than CO_2.

Social and economic

- Biogas improves the living conditions of women. Thanks to these digesters, women and children spend considerably less time on collecting firewood, leaving them with more time to spend with their families, find employment and socialise.
- Provides lighting at night and therefore lengthens people's days, contributing to better living conditions.
- Creates jobs.
- Increases local agricultural production due to the fertile bio-slurry.

Health

- The use of biogas reduces the global number of deaths per year (currently estimated at 4 million) associated with in door air pollution due to open fire cooking.
- Fewer neck and back problems associated with carrying firewood and charcoal.
- Better hygiene because of biogas toilets.

Wind Energy Turkey

This project invests in the operation and maintenance of wind turbines in various remote areas of Turkey.

This climate project consists of a wind farm in the province of Mersin in the south of Turkey. The wind farm is built to supply renewable electricity to the Turkish electricity grid and, thus, partially replaces the need for non-renewable sources for generating electricity. The people in the surrounding villages now have access to stable, renewable and clean energy, without CO_2 emissions. In addition to the reduction in CO_2 emissions, the project ensures more energy security for Turkish households, as well as improved infrastructure and more employment.

The wind farm also provides employment for the local population in the construction, operation and maintenance of the project. It also contributes to the development of the local population through knowledge transfer and supportive technology and tools.

The project makes wind energy accessible for the poorest members of the Turkish population. It is certified by Gold Standard and therefore meets the highest requirements for CO_2 offsetting. For years, CNG has chosen several wind projects in Turkey to provide the local population in remote areas with clean energy and give the region a positive boost. CNG only opts for small-scale wind projects carried out in countries where financing for CO_2 reduction is still difficult to obtain.

BENEFITS:

Climate and environment

- Less electricity imported, less dependence on fossil fuels and reduction of the associated risks.
- A greening of the energy mix.
- Reduction of greenhouse gases and air pollution (including particulate matter, sulphur dioxide, nitrogen oxides).

Social and economy

- Job creation in Turkey and the region during the construction of the wind farm and the necessary infrastructure in the surroundings (more than 100).
- 11 permanent skilled jobs; fair pay and secondary employment conditions.
- Support for technology, knowledge transfer and the development of the sustainable energy sector in Turkey.
- Regional development through a stable energy supply and better infrastructure.

EUROPE - ASIA

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TURKEY

WIND

Gold Standard
Climate Security & Sustainable Development

There are **13** windmills in the small-scale wind farm.

108.000 MWh electricity was generated, **19.224** MWh of which was made possible by CNG clients.

67,366 tonnes of CO_2 reduction which was made possible by CNG clients.

1 windmill has a capacity of **3** MWh and generates an average of **8,300** MWh per year.

= **11** people are on the payroll of the project.

= the project contributes to the improvement of the infrastructure in the area.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
13 CLIMATE ACTION

Energy from Waste in Turkey

In Turkey, urbanisation has led to uncontrolled waste dumping. The lack of proper waste processing is a major problem area. This climate project ensures that the greenhouse gases released during this process are converted into green electricity. It provides for the efficient use of all residual flows!

In the field of waste management, Turkey is striving to ensure that landfills comply with EU standards. The capacity for controlled dumping and recycling of waste is growing. This climate project ensures that the landfill is set up to burn non-recyclable waste through special installations and to generate energy from it. The energy is converted into electricity that is fed into the electricity grid. Converting the waste into energy saves on the use of fossil fuels, such as oil, gas and coal. The landfill is located in the Kocaeli province, on Izmit Bay on the Marmara Sea, about 100 km east of Istanbul. With a total area of approximately 3 million square meters, the landfill area is the largest in north-western Turkey. Household waste from the region is collected and burned at the landfill for gas, which is then converted into electricity. This gives the local population access to green energy. The project also ensures that the resulting hydrogen sulphide is destroyed. Hydrogen sulphide can be generated during the decay process of organic material. Removing this gas improves the air quality around the landfill and reduces the odour.

CO_2 emissions are reduced in two ways:

- by preventing methane gas from entering the atmosphere by using it to generate electricity. Methane is a greenhouse gas that is 28 times stronger than CO_2.
- by replacing an equal amount of electricity that is generated by fossil fuel power plants

BENEFITS:

Climate and environment

- Reduction in fossil fuels and air pollutants that contribute to local smog and acid rain.
- Less climate change due to reduction in CO_2 and methane.

Social and economy

- Improved waste management and air quality.
- Improved quality of life around the landfill due to less smog and odours.
- Generation, through smart waste processing, of about 35,000 MWh of electricity per year.
- Contribution to local employment, job creation for engineers, construction companies, equipment vendors and utilities.

EUROPE - ASIA

Climate Neutral Group
for better business

TURKEY

ENERGY FROM WASTE

Gold Standard
Climate Security & Sustainable Development

49,798 tonnes of CO_2 reduction is achieved by CNG clients.

21,000 MWh of electricity is generated, of which **> 5,970** MWh is made possible by CNG clients.

98,734 m^3 of hydrogen sulphide is destroyed per year. of which the relations of CNG has contributed **28,070** m^3.

= **7,376** people were supplied with electricity. Relations of CNG contribution: **2.097** people have access to clean and stable electricity.

= **12** people are on the payroll of the project. **51** people participated in fire safety and health training courses.

= the project contributes to the improvement of the infrastructure in the area.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

3 GOOD HEALTH AND WELL-BEING
7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
11 SUSTAINABLE CITIES AND COMMUNITIES
13 CLIMATE ACTION
15 LIFE ON LAND

Forest conservation Brazil

The Rio Preto-Jacundá Extractivist Reserve (RESEX) is a state Conservation Unit created by traditional rubber-tappers families. The project is a REDD+ (Reducing Emissions from Deforestation and Forest Degradation) project. REDD+ is a voluntary climate change mitigation approach, set up to incentivise developing countries to halt deforestation. In addition, the mechanism can help fight poverty while conserving biodiversity and sustaining vital ecosystem services. The main goal of Jacundá project is the promotion of a sustainable community. Through reducing forest degradation and unplanned and illegal deforestation, emission of greenhouse gases (GHG) are reduced. The reserve has a territory of 95.000 hectares. It is the goal to avoid deforestation of 35,398 hectares over a 30-year period. The project is in a region of great deforestation pressure from the predatory exploitation of natural resources. The area is home to threatened endemic species of flora, mammals and birds. Via environmental services, the community residents now have a way to grow their social development and conserve their territory. The project focuses on both climate, communities and biodiversity and has achieved CCBS gold level for Biodiversity and Community. Through a community-based approach, Jacundá REDD+ Project aims to conserve and promote the sustainable use of local biodiversity, preserving the community's culture, lifestyle and livelihood. Focus is on investments in infrastructure, monitoring of the vulnerable biodiversity and forest cover, and improving the people's quality of life. Besides fostering the preservation its premise is to grow the socio-economic development in these areas which, often, suffer from a lack of basic public services and basic infrastructure. Maintenance of forest cover in the Project Area ensures the protection of habitats, provision of natural resources and ecosystem services, enabling the continued provision of timber and non-timber forest products and favouring socio-economic stability in the region.

LATIN AMERICA

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FOREST CONSERVATION

VCS VERIFIED CARBON STANDARD
A Global Benchmark for Carbon

Total CO_2 reduction[1] through this project of **448,942** tonnes CO_2 per year. CNG's relations have offset **6,730** tonnes of CO_2 via this project.

273 different types of flora, of which **16** are endangered, are now protected (Gold Level for biodiversity according to CCBS[2]).

194 Different species of fauna, of which **14** are endangered, are now protected (Gold Level for biodiversity according to CCBS[2]).

The Jacunda forest covers a large sparsely populated area the size of **70,796** football pitches (35,398 ha). CNG's relations together protect an area of **1,071** football pitches (531 ha).

= **130** people benefit from this project.

= **30** families are involved in sustainable forest management which revenues (income).

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

[1] Forest conservation ensures that the forest is preserved and that the amount of CO_2 stored in trees is not released in the atmosphere. What is not released in CO_2 is translated into avoided CO_2 emissions, CO_2 reduction, for which carbon credits are issued.
[2] CCBS, Climate Community & Biodiversity Standard, is an additional certification that the Jacunda forest conservation project meets.

COLLABORATION

Climate Neutral Group supports this project via carbon financing. This initiative carries a VCS and REDD+ certification. The VCS certification guarantees that the effects, monitoring, and auditing of emission-reducing projects are done properly. In addition, Climate Neutral Group is a member of The International Carbon Reduction and Offset Alliance (ICROA), which monitors our working methods annually. Together with the choice for VCS, this guarantees reliable offsetting.

BENEFITS:

Climate and environment

- Environmental education.
- Biodiversity monitoring of the local biodiversity of (endangered) species.
- Community participates in a Management Plan for multiple use rules of biodiversity resources (hunting and fishing).

Social

- Investments on health, education, social organization and infrastructure improve the quality of life.
- Improvement of housing and sanitary conditions.
- Training of community members as healthcare agents to control most frequent diseases.
- Leadership training for women and youth.
- Establishment of schools incl. digital inclusion programs.

Economic

- Income generation via non- timber forest products (e.g. acai and brazil nut) and development of agro forestry.
- Investment into the region which supports its economic development.

FOREST CONSERVATION **BRAZIL**

Wind energy India

EUROPE - ASIA

Climate Neutral Group
for better business

greenseat
jij maakt het mogelijk

This project invests in the operation and maintenance of wind turbines in various remote areas of India. The population of the surrounding villages can now generate energy themselves, without CO_2 emissions.

This project invests in the operation and maintenance of wind turbines in various remote areas of India. The population of the surrounding villages can now generate energy themselves, without CO_2 emissions.

India's economic outlook is currently the best in Asia and the Indian population is growing at a rapid pace, with urbanisation taking place at an accelerated pace. This greatly increases energy consumption. This climate project invests in wind farms in remote areas of India to supply electricity to the local electricity grid. In this way, electricity from fossil sources is partly being replaced by sustainable wind energy. In addition to reducing CO_2, the project also ensures more energy security for Indian households, improving infrastructure and providing more employment. Climate Neutral Group (CNG) cooperates with the climate project to support this initiative by investing through CO_2 credits. The project, certified by VCS, makes wind energy accessible to the poorest part of the Indian population. For years, CNG has chosen several wind projects in India to provide the local population in remote areas with clean energy and provide the region with a positive boost. CNG only opts for small-scale wind projects carried out in countries where financing for CO_2 reduction products is still difficult to obtain.

BENEFITS:

Climate and environment

- Less climate change through CO_2 reduction.
- No emissions of particulate matter, nitrogen oxides and sulphur dioxide.
- Access to electricity without air pollution or resource depletion.
- Acceleration of fossil fuel independence for the local population.

Social and economy

- Safe and stable energy supply.
- Provision of employment opportunities for the local population, in the construction and operational phases and in the maintenance of the wind farm.
- Contribution to the development of the local population by transferring technological knowledge.
- A huge improvement to the local infrastructure by improving access roads.
- A contribution to the further improvement of the standard of living by supplying sustainable electricity to areas where this was previously not possible.

VCS VERIFIED CARBON STANDARD
A Global Benchmark for Carbon

WIND

Investments are being made in various small-scale wind farms, per park about **10** on average.

92,026 MWh of electricity is generated by CNG clients.

125,526 tonnes of CO_2 reduction is achieved through CNG clients.

1 windmill has a capacity of **1.5** MWh and generates an average of **2,264** MWh per year.

= per windmill, approximately **420** households can be supplied with stable energy.

= the project contributes to the improvement of the infrastructure in the area.

THIS PROJECT CONTRIBUTES TO THE FOLLOWING SDGS:

SUSTAINABLE DEVELOPMENT GOALS

7 AFFORDABLE AND CLEAN ENERGY
8 DECENT WORK AND ECONOMIC GROWTH
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE
13 CLIMATE ACTION

Note: The example above shows one of the small-scale projects in India, which all perform similarly. Named tonnage is the total tonnage offset through all of these projects.

Quality and Procedures

Quality is of paramount importance at Climate Neutral Group. Both the quality of the services that we provide to you and the products and services that we purchase from third parties must meet strict criteria. As a result, we have established a set of procedures to guarantee quality.

CO_2-FOOTPRINTING – REDUCTION – OFFSETTING – CERTIFICATION

A TO ZERO CO_2

From Footprinting to Certification: working with Climate Neutral Group guarantees that all the steps meet strict sustainability criteria and contribute to the realisation of the Paris Climate Agreement goals. As a member of ICROA, and as a result of the steps taken to meet the ISEAL criteria for our Climate Neutral Certification programme for organisations, products and services, we are ready to take you: From A to Zero CO_2

ISEAL

Our Climate Neutral Certification programme is renewed according to the ISEAL guidelines. ISEAL is the global membership organisation for credible sustainability standards.

iseal alliance member

Certified B Corporation

B CORP

CNG is B Corp certified, which means we meet strict criteria on social responsibility, environmental impact, transparency and corporate governance.

NEW – OFFSET RELATED CONSULTANCY BY CLIMATE NEUTRAL GROUP EXPERTS FROM THE NETHERLANDS AND SOUTH AFRICA

Methodology development for new offsetting projects

Innovations in the field of CO_2 reduction are not feasible without additional funding. Certification according to Gold Standard or VCS can help to launch such innovations. For international projects, and projects in the Netherlands with the National Carbon Market, CNG can develop a (new) methodology and guide the application up to and including certification.

In addition to offsetting: CO_2 reduction in the Supply Chain

CNG contributes to this hot topic by advising companies and achieving reduction in its supply chain: 'insetting'. The CO_2 reductions can then be used to reduce their own footprint. This is currently ongoing in agriculture and forestry, forest protection, biogas projects and CO_2 sequestration in the soil.

ICROA MEMBERSHIP

ICROA International Carbon Reduction & Offset Alliance

Climate Neutral Group (CNG) is a member of ICROA, the International Carbon Reduction and Offset Alliance. This international coalition is committed to a transparent and high quality CO_2 offsetting market. Every year, ICROA tests whether we meet the membership requirements' Code of best Practice. CNG is audited annually by an external auditor appointed by ICROA.

CNG guarantees that the CO_2 credits you have purchased actually cause a decrease in CO_2 in the atmosphere. Each credit represents a verified reduction of one tonne of CO_2 in the atmosphere. Verification is undertaken by independent, internationally recognised agencies. They check whether the projects meet precisely defined standards.

Gold Standard
Climate Security & Sustainable Development

GOLD STANDARD (GS)

Gold Standard is the strictest standard for CO_2 reduction projects for offsetting. Developed by WWF, it aims to make a measurable contribution to sustainable development that benefits local populations.

VCS VERIFIED CARBON STANDARD
A Global Benchmark for Carbon

VERIFIED CARBON STANDARD (VCS)

The VCS standard is the most widely used standard in CO_2 reduction projects for voluntary offsetting. On top of ICROA's criteria, CNG has its own unique and additional criteria. Only small-scale reduction projects are available.

Impression
2019

Do you also want to (continue to) take steps from A to Zero CO_2?

Climate Neutral Group – Head office
Arthur van Schendelstraat 650
3511 MJ Utrecht
The Netherlands

Contact our advisers via:
Info@climateneutralgroup.com or +31 30 232 6175 •
Visit our website: climateneutralgroup.com or greenseat.nl •
Follow us on LinkedIn •

Climate Neutral Group
14 Floor, Touchstone House
7 Bree Street
Cape Town, 8001
South Africa

Contact our advisers via:
• Info@climateneutralgroup.co.za or 021 202 6067
• Visit our website: climateneutralgroup.co.za
• Follow us on LinkedIn

Johannesburg
4, The Firs, Biermann Avenue
Rosebank
Johannesburg, 2196
South Africa

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