

EARTHLY

# POSITIVE ● MOMENTUM

no nonsense business expertise

Business Footprint 2022/23

by Earthly

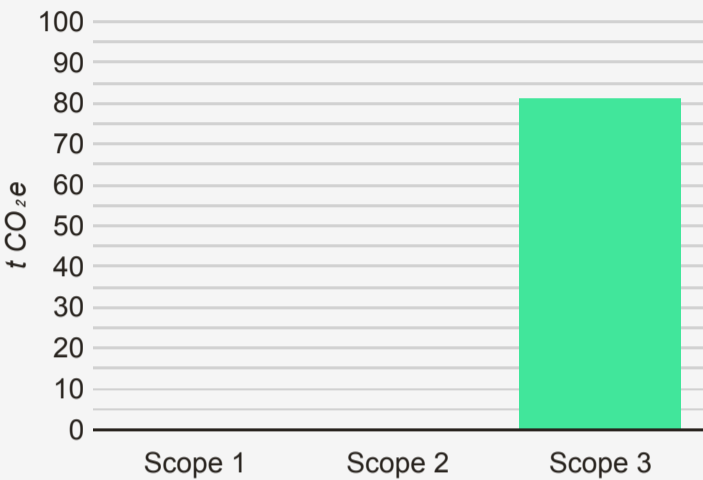


Total CO<sub>2</sub>e

81.46 t

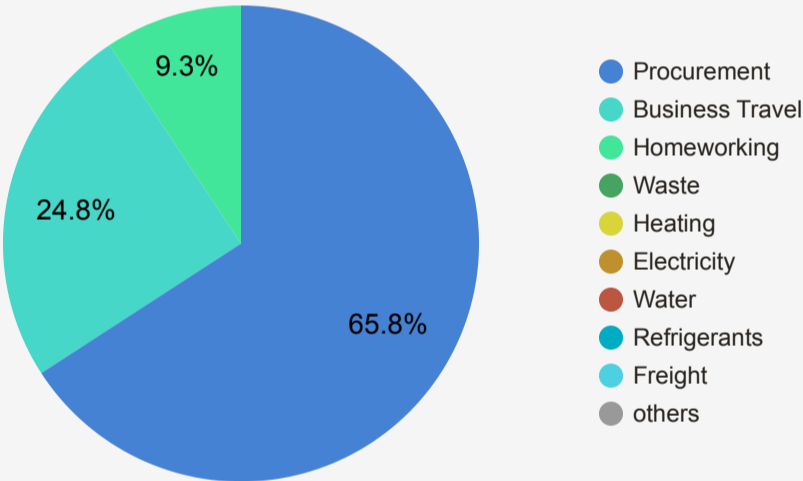
CO<sub>2</sub>e – Carbon Dioxide Equivalent

The universal unit of measurement to indicate the global warming potential of Greenhouse Gases

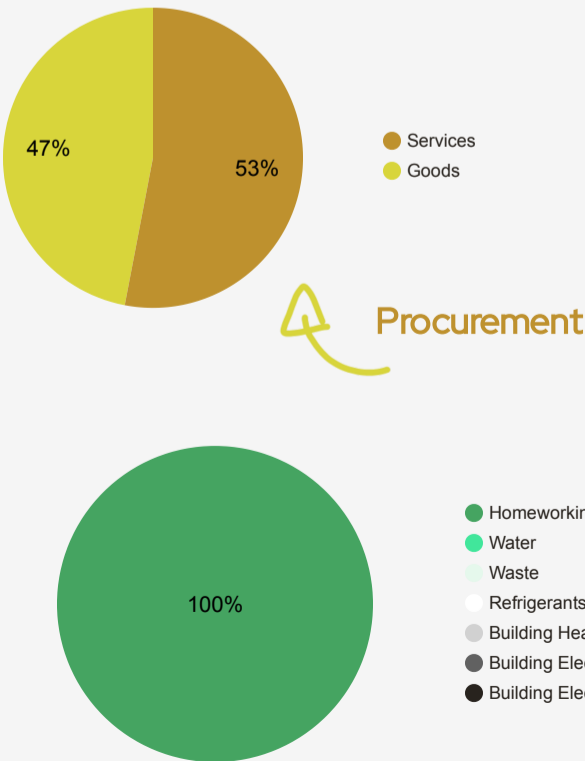


- Scope 1
- Direct emissions from sources that are owned or controlled by the company
- Scope 2
- Indirect emissions from purchased sources of energy that the company does not control - e.g. electricity
- Scope 3
- All other indirect emissions - e.g. travel

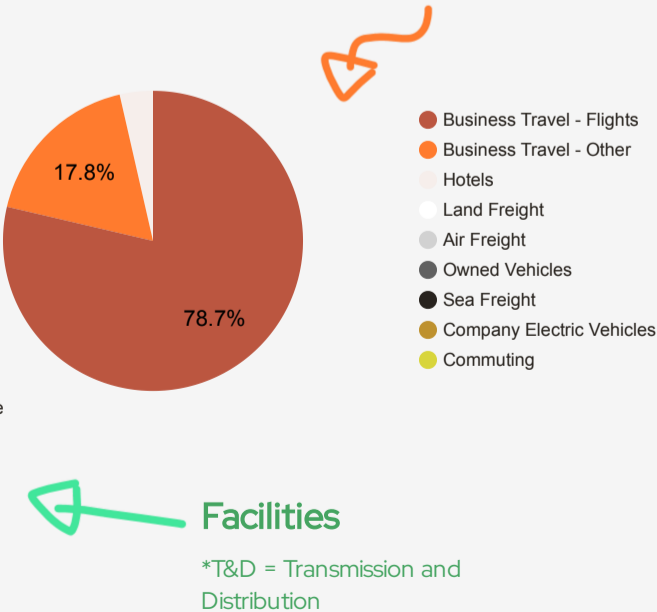
BREAKDOWN OF TOTAL WORKSPACE EMISSIONS



FURTHER BREAKDOWNS



Travel, Transport and Fuels



GREENHOUSE GAS EMISSIONS BY SOURCE

Scope / t CO <sub>2</sub> e			
Activity	Scope 1	Scope 2	Scope 3
Procurement	-	-	53.64
Business Travel	-	-	20.23
Homeworking	-	-	7.59
Commuting	-	-	0.00
Electricity	-	0.00	0.00
Owned Vehicles	0.00	0.00	-
Heating	0.00	-	-
Waste	-	-	0.00
Freight	-	-	0.00
Water	-	-	0.00
Refrigerants	0.00	-	-
Grand total	0.00	0.00	81.46

UNIT CARBON EMISSIONS



t CO<sub>2</sub>e per Employee

6.79

\* Total Employees = 12

t CO<sub>2</sub>e per m<sup>2</sup>

0.00

\* N/A - No Office in 2022/23

ASSUMPTIONS

Any assumptions made during the carbon emissions calculations and analysis for your company have been called out below. Year on year, as you begin to understand what data is required and implement ways to track and collate this, fewer assumptions should be made and the use of national averages in place of accurate data should be reduced.

- \* Calculations based on data provided by Positive Momentum.
- \* Few assumptions made - data collection by Positive Momentum comprehensive.
- \* Some travel data, e.g. rail, based on annual expenditure.
- \* Homeworking emissions calculated according to the methodology described in the "Homeworking Emissions Whitepaper" published by Ecoact.
- \* Emissions associated with procurement and services based on spend analysis.
- \* Modelled using DEFRA Emission Factors 2022 and UK Consumption-Based Accounts Data 2019.



CARBON ACCOUNTING METHODOLOGY

Earthly's carbon accounting methodology follows the standards of the Greenhouse Gas Protocol and ISO 14064-1:2018. The calculation methodology was assessed and verified by Carbon Action in September 2021 and was found to conform with ISO GHG principles of being transparent, relevant, accurate, complete and consistent.

All conversion factors used are in units of "kilograms of carbon dioxide equivalent of Y per X" (kg CO<sub>2</sub>e of Y per X), where Y is the gas emitted and X is the unit activity. CO<sub>2</sub>e is the universal unit of measurement to indicate the global warming potential (GWP) of GHGs, expressed in terms of the GWP of one unit of carbon dioxide.



SYSTEM BOUNDARIES

The Earthly Climate Positive Business certification accounts for Scope 1, 2 and partial Scope 3 as defined by the GHG Protocol. We report on the seven main GHGs that contribute to climate change, as covered by the Kyoto Protocol, converted into units of CO<sub>2</sub>e.

This assessment follows the operational control approach. Emissions arising from entities under the operational control of the reporting company are accounted for; product lifecycle emissions and certain Scope 3 sources (where these form part of the product LCA or are not relevant) are excluded. Emissions associated with electricity use are reported using the location-based approach (assumed to be sourced from the grid at the location of the office).

SCOPE 1

Direct emissions from sources that are owned or controlled by the company, e.g. combustion of fuels, chemical processes or fugitive emissions. Included in this report:

- Stationary Combustion (heating)
- Mobile Combustion (mileage associated with vehicles that are owned or controlled by the company)
- Fugitive Emissions (from the use of cooling systems and AC equipment)

SCOPE 2

Indirect emissions from purchased sources of energy that the company does not control, e.g. electricity. Included in this report:

- Electricity (purchased electricity)
- Heat and Steam (purchased steam, district heating or cooling)
- Electricity (mileage associated with electric vehicles that are owned or controlled by the company)

SCOPE 3 - INCLUDED

All other indirect emissions from sources that are *not* owned or controlled by the company. Included:

- Electricity Transmission and Distribution
- Business Travel (inc. hotels)
- Commuting
- Freight (downstream transportation/distribution of products)
- Procurement (goods and services)
- Food and Drink
- Waste (office only)
- Water (office only)

SCOPE 3 - NOT INCLUDED

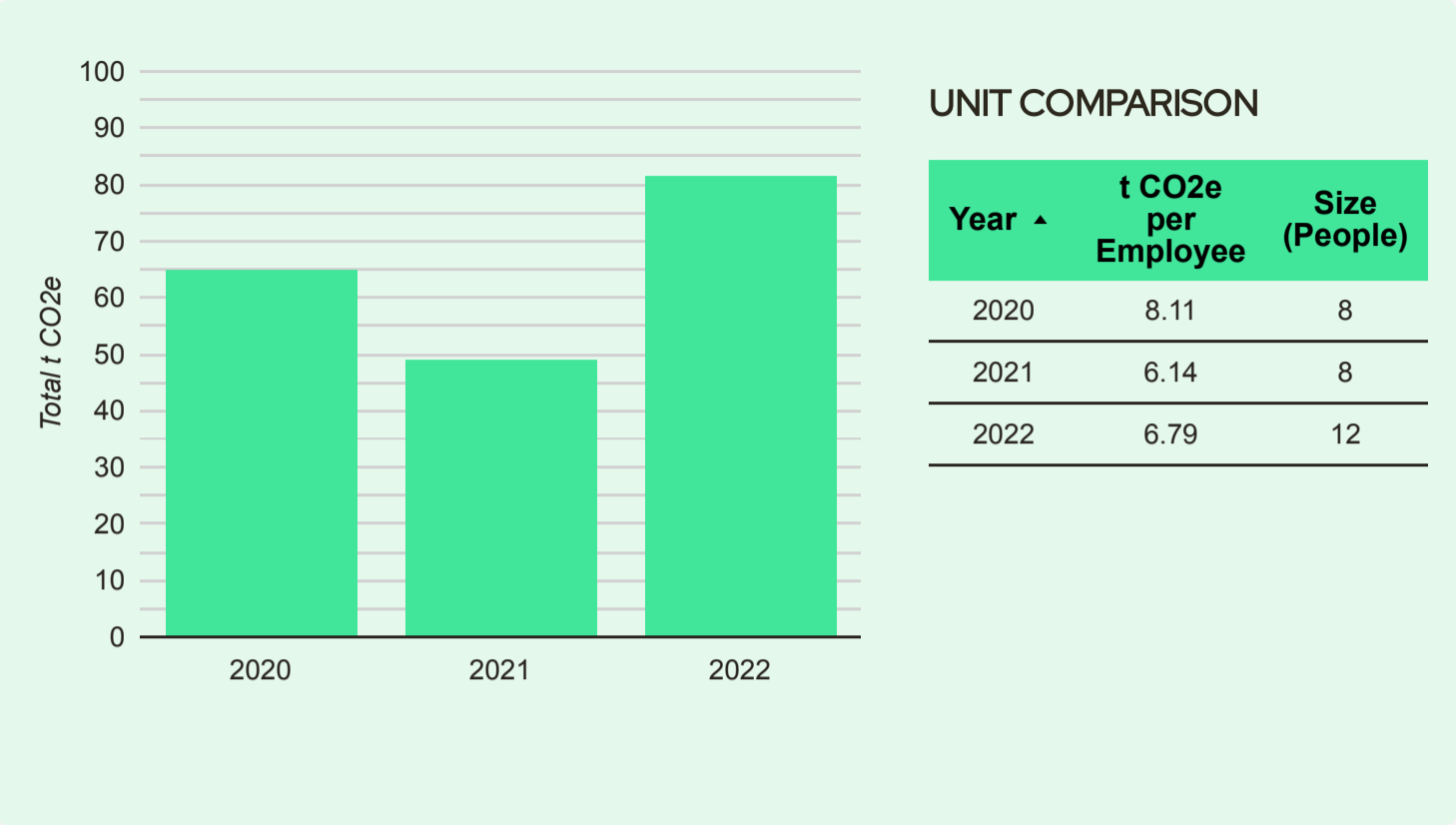
Scope 3 emissions that form part of the product LCA or are not relevant to this report:

- Capital Goods
- Fuel/Energy Related Activities
- Freight (upstream transportation/distribution)
- Waste (generated in production/operations)
- Upstream Leased Assets
- Processing of Sold Products
- Use of Sold Products
- End-of-life Treatment of Sold Products
- Downstream Leased Assets
- Franchises
- Investments

SOURCES

Activity	Source
Calculations Guidance	Calculations in the GoClimate Business Footprint Calculator
General Emission Factors	DEFRA Greenhouse Gas Reporting: Conversion Factors 2022
Home Working Emissions	Eco Act Homeworking Emissions Whitepaper
Hotel Dataset	Greenview Hotel Footprinting Tool
International Electricity EFs	Carbon Footprint Electricity Emission Factors
Procurement and Services (UK)	UK Consumption Based Emissions Factors 2019
Procurement and Services (US)	US EPA Supply Chain Emission Factors
Reporting Guidance	Environmental Reporting Guidelines (UK Gov)
Reporting Guidance	Guidance on how to measure and report your greenhouse gas emissions (DEFRA)
Reporting Standard	Greenhouse Gas Protocol
Reporting Standard	ISO 14064-1:2018

YEAR ON YEAR COMPARISON



# NET-ZERO STRATEGY

## WHAT IS NET-ZERO?

The term ‘net-zero’ refers to the global reduction of carbon dioxide emissions to net-zero: when the amount we add is no more than the amount taken away. The concept was developed to try and avoid the worst impacts of climate change by limiting global warming to 1.5 degrees. In order to do this, the Intergovernmental Panel on Climate Change (IPCC) stated that carbon dioxide emissions need to fall to ‘net-zero’ by around 2050 (with a reduction of 45% by 2030) when compared to 2010 levels.

The ‘net’ in net-zero is important. It does not mean reducing all emissions to absolute zero - this will be very difficult to achieve in the timescale needed. So, as well as rapid and far-reaching cuts in emissions, we will need to scale up GHG removals through, for example, reforestation or afforestation projects.

## REDUCTION AND NET-ZERO STRATEGY



Earthly expects the companies that we work with to have, or be working towards, a long-term sustainability strategy and to work towards reducing emissions in line with IPCC targets. You have completed the first step to creating your net-zero or reduction strategy by measuring your current impact. You will also need to set a base year against which to compare future emissions. As defined by the GHG Protocol a base year is "a historic datum (a specific year or an average over multiple years) against which a company’s emissions are tracked over time."

If your company has measured its emissions in the past, you can use the oldest year for which it has available emissions information – preferably verified or assured – as your base year. If your company is measuring its emissions for the first time, you may choose the current reporting year as the base year. Once you have measured your footprint and selected a base year you will need to identify where emissions reductions can be made.

## REDUCTION INITIATIVES

- Below you can see some simple high-level reduction ideas based on the emissions categories contributing the most to your companies carbon footprint.
- \* Choosing service providers who are working to reduce their own impact would, in turn, reduce your Scope 3 emissions: speak to the companies you work with to see if they have a carbon reduction plan.
  - \* Emissions associated with material procurement can be reduced by purchasing second-hand and maximising life.
  - \* Business travel emissions can be reduced by considering the efficiency of journeys and the vehicles used or by investing in virtual meeting tools. Reducing the number of flights taken would decrease emissions associated with business travel significantly.
  - \* Encourage employees to reduce their energy consumption at home. For example, remembering to switch off appliances when not in use or dressing appropriately for the weather to reduce emissions associated with space heating.

## RESOURCES

The Science-Based Targets Initiative (SBTi) is a great resource for companies looking to set a net-zero target and their website contained lots of information on how to start and what to do:

<https://sciencebasedtargets.org>

The following document specifically looks at engaging supply chains and reducing Scope 3 emissions:

[https://sciencebasedtargets.org/resources/files/SBT\\_Value\\_Chain\\_Report-1.pdf](https://sciencebasedtargets.org/resources/files/SBT_Value_Chain_Report-1.pdf)

The United Nations Framework Convention on Climate Change (UNFCCC) is another useful source of information:

<https://unfccc.int/documents/293449>

The IEMA GHG Management Hierarchy can also be helpful in understanding the path to net-zero:

<https://www.iema.net/transition-to-net-zero>

# OFFSETTING PROJECT OPTIONS

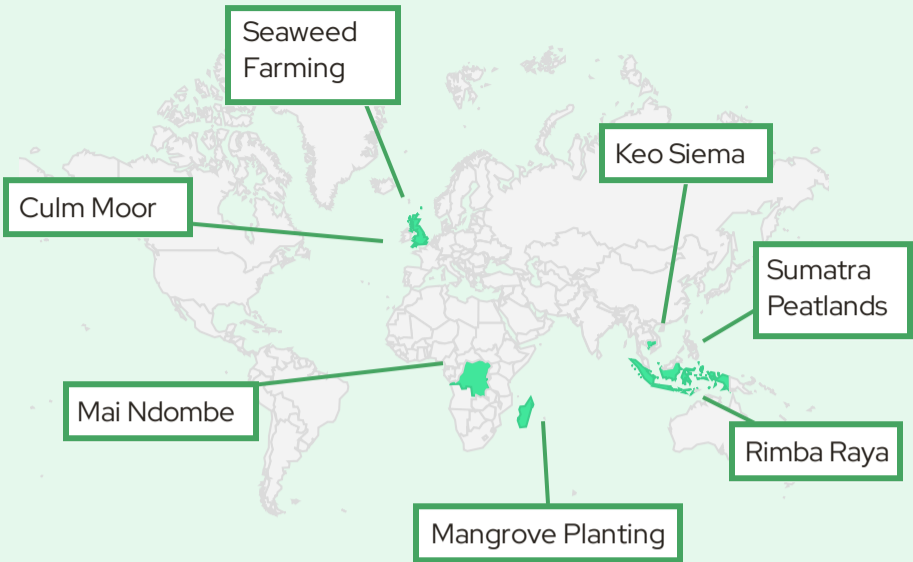
While you are working to become a greener and more sustainable business we believe that it is important to remove the impact you are having on the planet right now. This can be done by investing in one of our nature-based solutions, choosing the project that is right for your business. Full details of all our projects can be seen at [earthly.org/projects](https://earthly.org/projects)

## Climate Positive Business

To be certified as a Climate Positive Business we ask that companies invest at least 110% of their footprint - to go beyond just carbon neutral. To become a Climate Positive Business you would need to remove:

90.00

t CO<sub>2</sub>e



### The Earthly Bundle

This revolutionary Earthly bundle contains the best of the best of climate-change-reversing, carbon-busting assets. It's the simplest – and most effective – way to remove your impact. We have put together this bundle because we know this collection of projects packs a massive climate punch.

Projects Supported

Peatland Protection, Rimba Raya • Rainforest Protection, Mai Ndombe • Mangrove Restoration, Maroalika

Location	Price
Indonesian Borneo, Asia	£14.29/tonne
Democratic Republic of the Congo, Africa	Your Price
Madagascar, Africa	£1,286.10



### Tropical Forest Protection

A REDD+ project with a focus on reducing high deforestation rates in eastern Cambodia by helping secure land rights for the indigenous Bunong in the area. The project began in 2010 and impacts more than 20,000 people.

Project Supported

Tropical Forest Protection, Keo Seima

Location	Price
Cambodia, Asia	£14.00/tonne
	Your Price
	£1,260.00



### Rainforest Protection

The Mai Ndombe forest protection project is not only about protecting the world's second-largest intact rainforest but also about helping local communities.

Project Supported

Rainforest Protection, Mai Ndombe • Wildlife Works

Location	Price
Democratic Republic of the Congo, Africa	£19.00/tonne
	Your Price
	£1,710.00

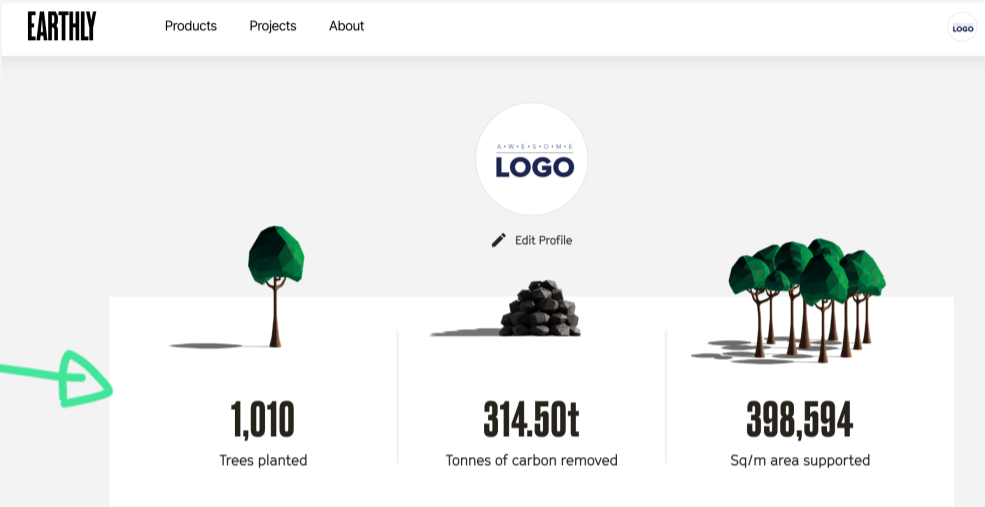
## NEXT STEPS

To complete the Climate Positive Business certification:

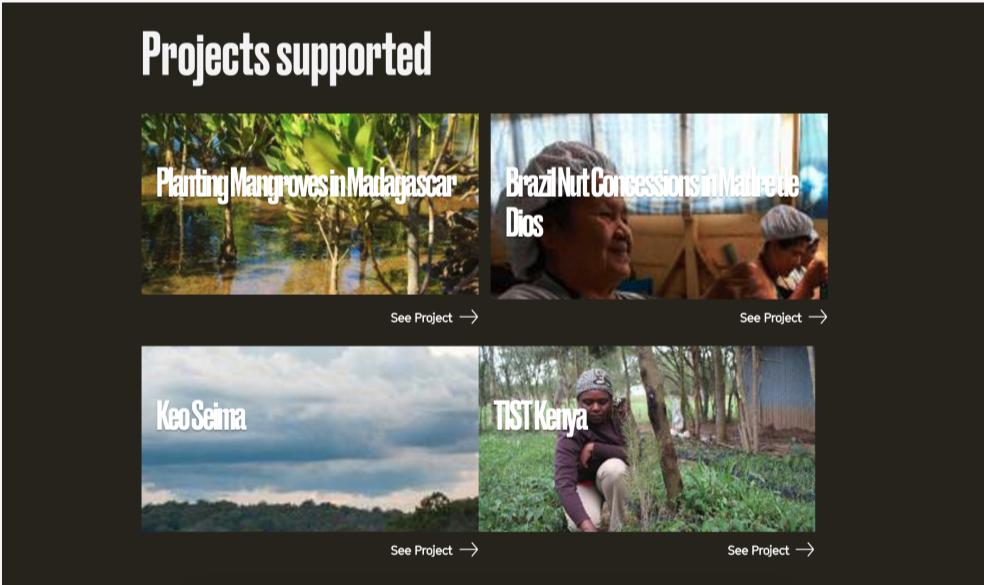
- \* Select a project that aligns with your company values (you can see a few recommended options on the previous page or our full selection of projects on our website).
- \* We will send an invoice for the carbon accounting and certification and the carbon removal (110% of your footprint).
- \* You will then be granted access to your dashboard and Climate Positive Business badge so that you can showcase the positive impact of your investment (if you are renewing your Climate Positive certification your dashboard will be updated with your new assets).

## CLIMATE POSITIVE CERTIFICATION AND EARTHLY DASHBOARD

Your company's total impact.



Your Earthly dashboard can be made public and shared with your customers.



Information on all the projects that you are supporting.

We have a selection of badges to add to your website, email signatures, social media...



### COMING SOON:

- \* Detailed impact data for co benefits such as education, health, biodiversity and ecosystem regulation.
- \* Personal 3D Earthly Island representing your investment into nature - currently available for investments over 200 tonnes.