

BASELINING

YOUR CARBON EMISSIONS



B Leaders



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Agenda

**Intros,
purpose &
Outcomes**

The Why

**The What
and The How**

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Intros



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Purpose of today?

Learn why creating a baseline of your current emissions is critical to your Green Growth success

Learn how to calculate your core emissions... we'll walk you through the process step by step

Developing your Emissions Reduction Action Plan... setting up your follow up 1-2-1 consultancy session to create your Action Plan to convert the strategic intent into an operational reality

Outcomes of the program



Understanding

Why are we doing this

What are emission reductions,
baselines



Specificity

Understand your starting point

Tailored reduction plan

1-2-1 consulting

Personal report



Motivation

Engaged team and impressed
customers

Group of Barnsley businesses as
eco advocates

BBC



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SOUTH YORKSHIRE
SYMCA
MAYORAL
COMBINED
AUTHORITY



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The why for our planet

The IPCC special report of 2021 states the need to limit warming to 1.5C through rapid, deep, and sustained emission cuts, with carbon dioxide (CO2) emissions falling to 45% below 2010 levels by 2030 and to net-zero around mid-century.

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The why for our planet

Failure to achieve this will lead to the destruction of habitats, the collapse of our ecosystems, intensified weather events such as storms, floods, droughts, and wildfires. Eventually, this is going to have a direct impact on human health, we'll witness flooded cities and farmlands leading to human migration, conflict, and direct physical harm.

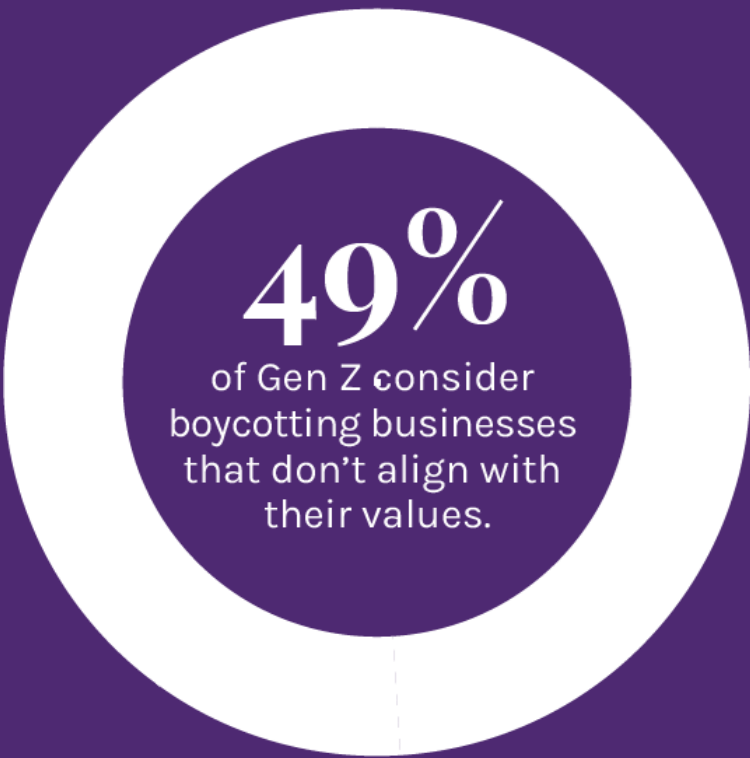
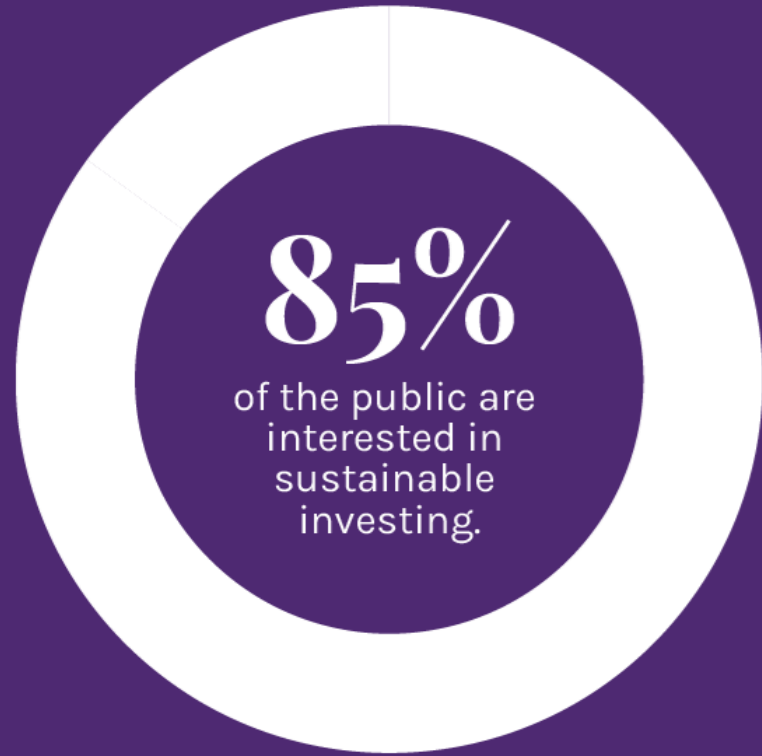
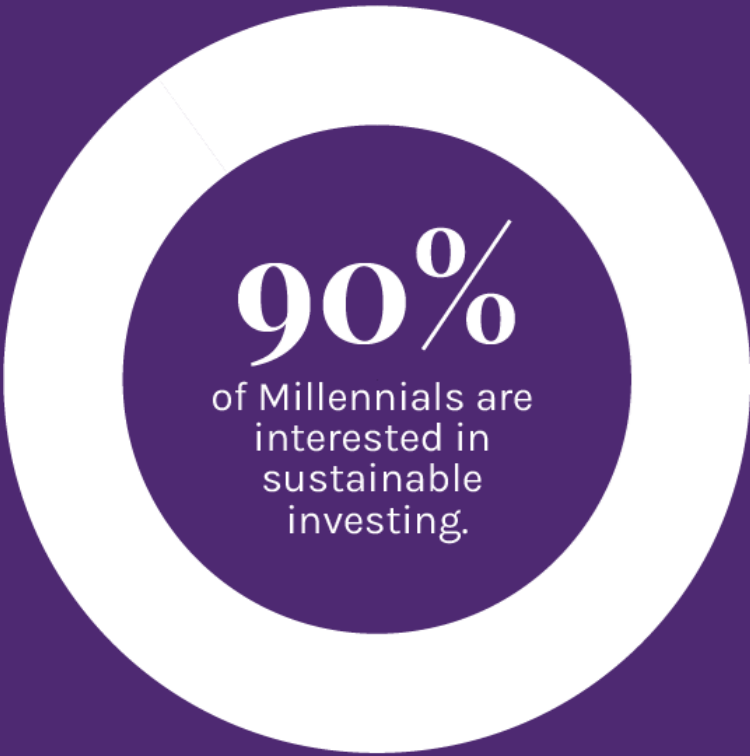
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The why for your business

- lower your running costs – and save money as a result
- attract more business from your existing customers
- unlock customers in new sectors or industries
- maintain a competitive advantage, both locally and even globally
- qualify for tax benefits and grants, attract capital
- build a better, more sustainable supply chain
- be seen as a “good” employer by existing employees and potential recruits

Even the smallest businesses produce carbon emissions, whether it's through their premises, the vehicles they use, or their supply chain.

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Research paper ROI of sustainability for SMEs

link in the chat

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Science Based Targets Initiative (SBTi) Net Zero Definition



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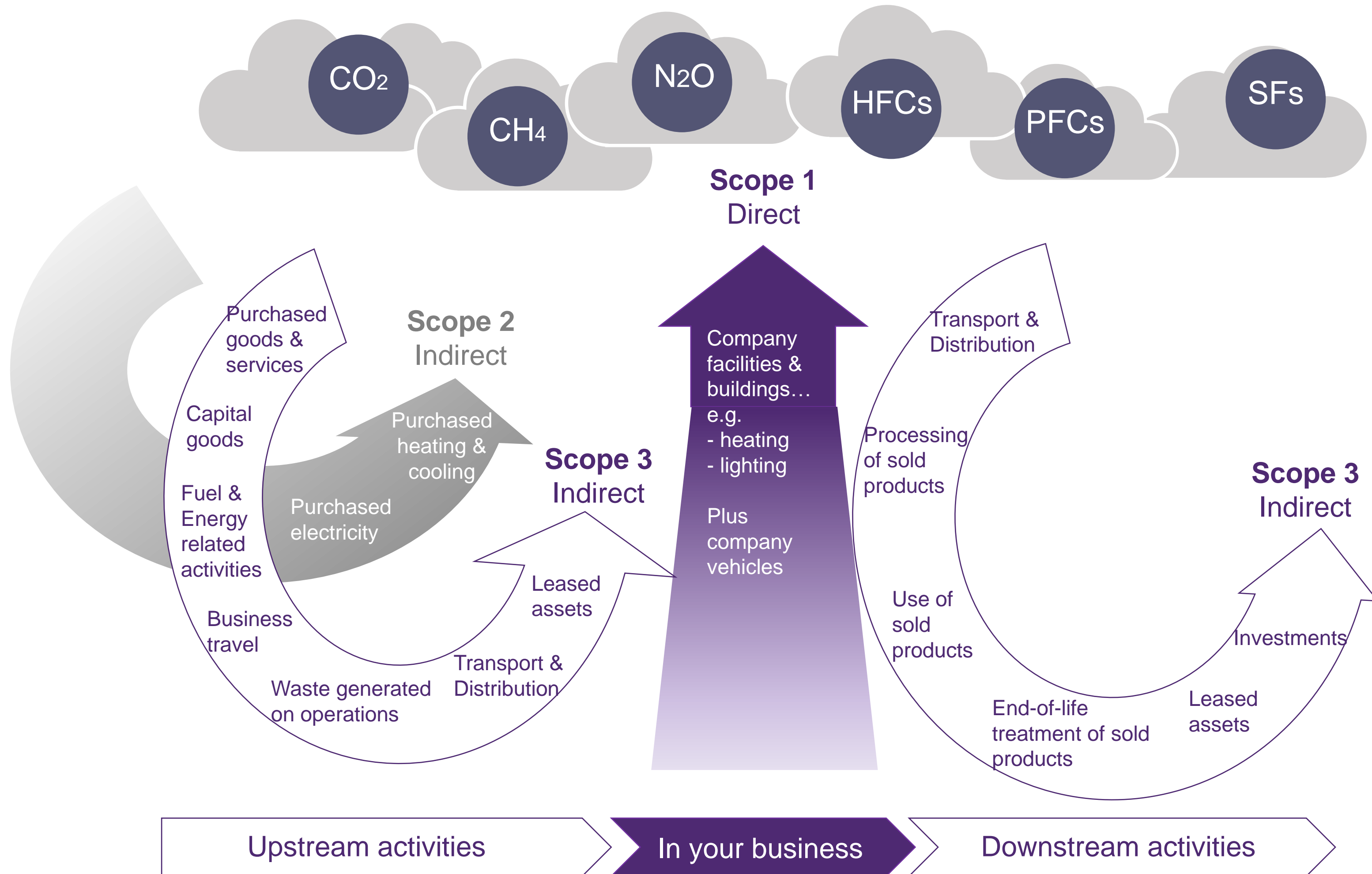


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Overview of GHG Protocol Scopes & Emissions across the value chain



The What Scope 1

“direct emissions from
company-owned and
controlled resources”



Fleet
Manufacturing
Leaks

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The What Scope 2

“direct emissions from the
generation of purchased
energy”

purchased
electricity, heat
& steam



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The What Scope 3



“indirect emissions (not included in scope 2) that occur in the value chain of the reporting company, including both upstream and downstream emissions.”

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Scope 3

Purchased goods and services

Business travel

Employee commuting

Waste disposal

Use of sold products

Transportation and Distribution

Investments

Leased Assets...

Often up to 80% of your emissions

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The How - Emission calculation

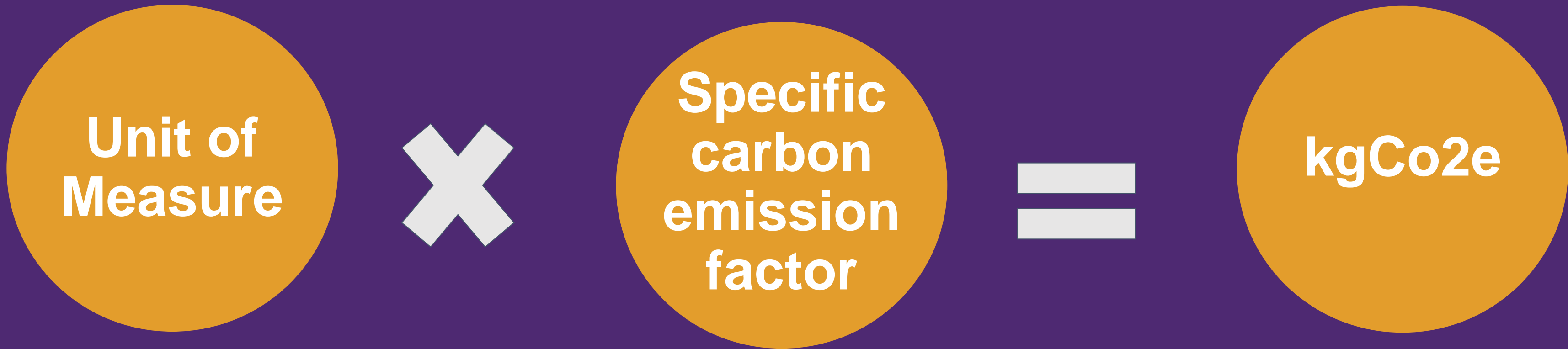
- Start your change journey

- Start collecting data
- Compare over time
- Set targets

- What can we learn and 'keep' from 2020

- Reasonable expectations

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Input
your data



Emissions
(Baseline)

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Reduce as
much as you
can



Offset what
is left

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How should we tackle Scope 3, well it depends.....

- The relative size of the emissions from the scope 3 activity
- Your business goals
- Data availability
- Data quality
- The cost and effort required to apply each method
- Any other criteria

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Scope 3

- **Supplier specific: supplier's data**
- **Spend based: average data**
- **Hybrid: Supplier specific + spend based**

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Let's take a break

Start to calculate after the break

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Prepare for 1-2-1

- Complete tabs 7 and 9
- Consider emissions not included in this calculation tool, think especially about upstream
- Do you, or do you plan to, supply to the Public Sector
- How often will you be reviewing progress and with who?

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Start to consider your reductions

- Smart heating & green energy
- Employee mobility
- Electric fleets, other machinery
- Green servers, data storage & tech hardware
- Waste management
- Key suppliers
- Circular economy

Consider what resource/investment you might need.....

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Reduction Plans

- Tailored to you
- 3-4 major objectives
- Objectives linked to the action plan

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Net Zero Action Plan - HIGH LEVEL OBJECTIVE Example

Enter details of HIGH LEVEL Objective 1 in the box below please state in a measurable way exactly what you want to achieve.

Reduce our emissions from our premises by 15% in 2022

Enter below the lower level tasks (up to 4 tasks per objective) that you are going to carry out in order to achieve the High Level objective.

What activities and actions need to occur in order to make this happen?

		Who is accountable?	Deadline Date	Traffic Light
1	Replace existing light bulbs with more energy efficient LED alternatives and motion sensors 100% throughout the building	Jamie Scott	31 March 2022	7
2	Reduce the office's thermostat by 1.5 degrees	Denise Faulkner	31 March 2022	8
3	Install alternative 'green' office appliances that have a higher energy rating for 3 main appliances	Flora McDonald	31 December 2022	2
4	Switch to 'paperless culture' by reducing pages printed by 25%	Denise Faulkner	30 June 2022	6



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Any Questions?



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