Organisational Carbon Footprints:
What You Need to Know

13th March 2025

circularecology.com

Today's Webinar

— Introduction

— What is an Organisational Carbon Footprint?

— Benefits of an Organisational Carbon Footprint

— Where to start with your reporting

— What do you need to complete your footprint?

— Next steps – looking ahead to the longer term

— Q&A

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Your Presenters Today

Jon Burrow

Head of Carbon Accounting

- Over a decade's experience in carbon footprints
- Expertise in developing Carbon Reduction Strategies for organisations
- Background in UK / EU carbon regulatory compliance

Joe Rouse

Senior Sustainability Consultant

- Experienced in Organisational Carbon Footprints and carbon library development
- Background in chemical engineering and carbon capture and storage

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Circular Ecology – Introduction

Environmental consultancy, founded in 2013

Offer a range environmental services:
- **Organisational Carbon Footprints, Scope 1, 2 & 3**
- Product Carbon Footprints
- Life Cycle Assessments (LCA)
- Whole-Life Embodied Carbon Assessments for Construction Projects
- Carbon Footprint Verification & Assurance
- Net Zero Carbon Strategy
- Carbon Footprint Database (library) Development
- Online E-Learning Training Courses
- Carbon Offsetting and Tree Planting

Hosts the Inventory of Carbon & Energy (ICE) database
- Free embodied carbon database for materials
- Trusted by over 50,000 professionals globally

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Our Mission Statement

"Making a difference together - Towards a more sustainable future"

Our Five Core Values:

Impactful

Community

Quality

Ethical

Continuous Improvement

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Scaling Carbon Reduction Initiative (SCRI)

Launch of our **Scaling Carbon Reductions Initiative (SCRI)**

Key to our purpose **to release impactful work, to enable scalable carbon reductions**

We will be diverting a specified amount from some of our sales into the SCRI

Funds will be used to **develop free carbon footprint data, tools and resources**

Publication of an annual impact report disclosing the amount raised and use of funds

https://circularecology.com/scaling-carbon-reductions-initiative.html

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Scaling Carbon Reduction Initiative (SCRI)

Products contributing to our **Scaling Carbon Reductions Initiative (SCRI)**

1) e-learning training courses

- Intro to Carbon Footprinting
- Intro to Life Cycle Assessment
- Embodied Carbon in Construction
- *[under development]* Sustainability 101

https://circularecology.com/training.html

66.67% of ex. VAT training course sales diverted to help update ICE Database until June 25

2) Carbon offset credits

https://circularecology.com/product-category/carbon-offset

£1 ex. VAT diverted per tCO2e offset

3) Tree planting packs

https://circularecology.com/product-category/tree-planting

25% diverted (exchange rate dependant)

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e-Learning Training Courses

Carbon Footprinting
- Intro
- 10 Topics
- 3 Quizzes
- Final Test

Life Cycle Assessment (LCA)
- Intro
- 7 Parts
- 15 Topics
- 4 Quizzes
- Final Test

Embodied Carbon in Construction
- Intro
- 4 Parts
- 26 Topics
- 10 Quizzes
- Final Test

Introduction to Organisational Carbon Footprints

What you need to know...

What is an Organisational Carbon Footprint?

An organisational carbon footprint:

Measures the total greenhouse gas emissions associated with an organisation's operations, including energy use, transportation, supply chain, and other activities

Typically expressed in **CO_2 equivalent (CO_2e)**.

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Benefits of an Org. Carbon Footprint

Minimise environmental impacts

Marketing/brand differentiation and requirements

- stakeholder requests

- customer expectations

- investment decisions

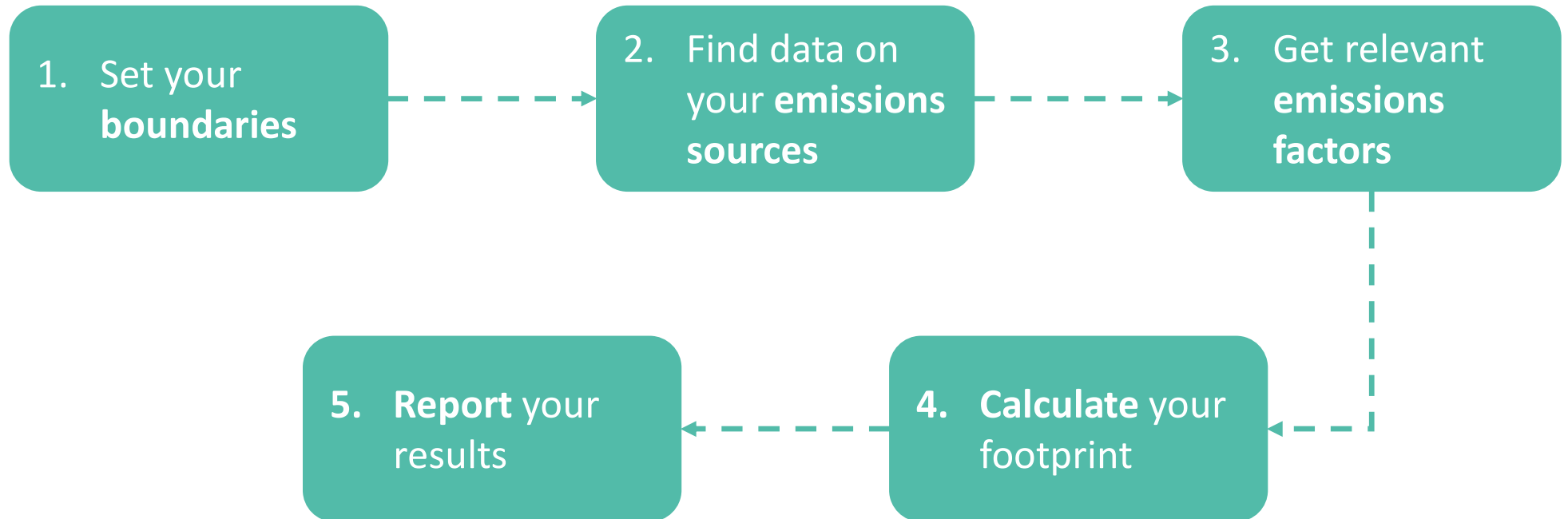Product innovation & identification of hotspots

Ensure regulatory compliance e.g., SECR, UK Gov PPN 06/21, ESOS, CBAM…

…more requirements to come…?

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Where to start with reporting?

Starting a carbon footprint can appear to be a difficult task, but the steps to completing one don't have to be complex:
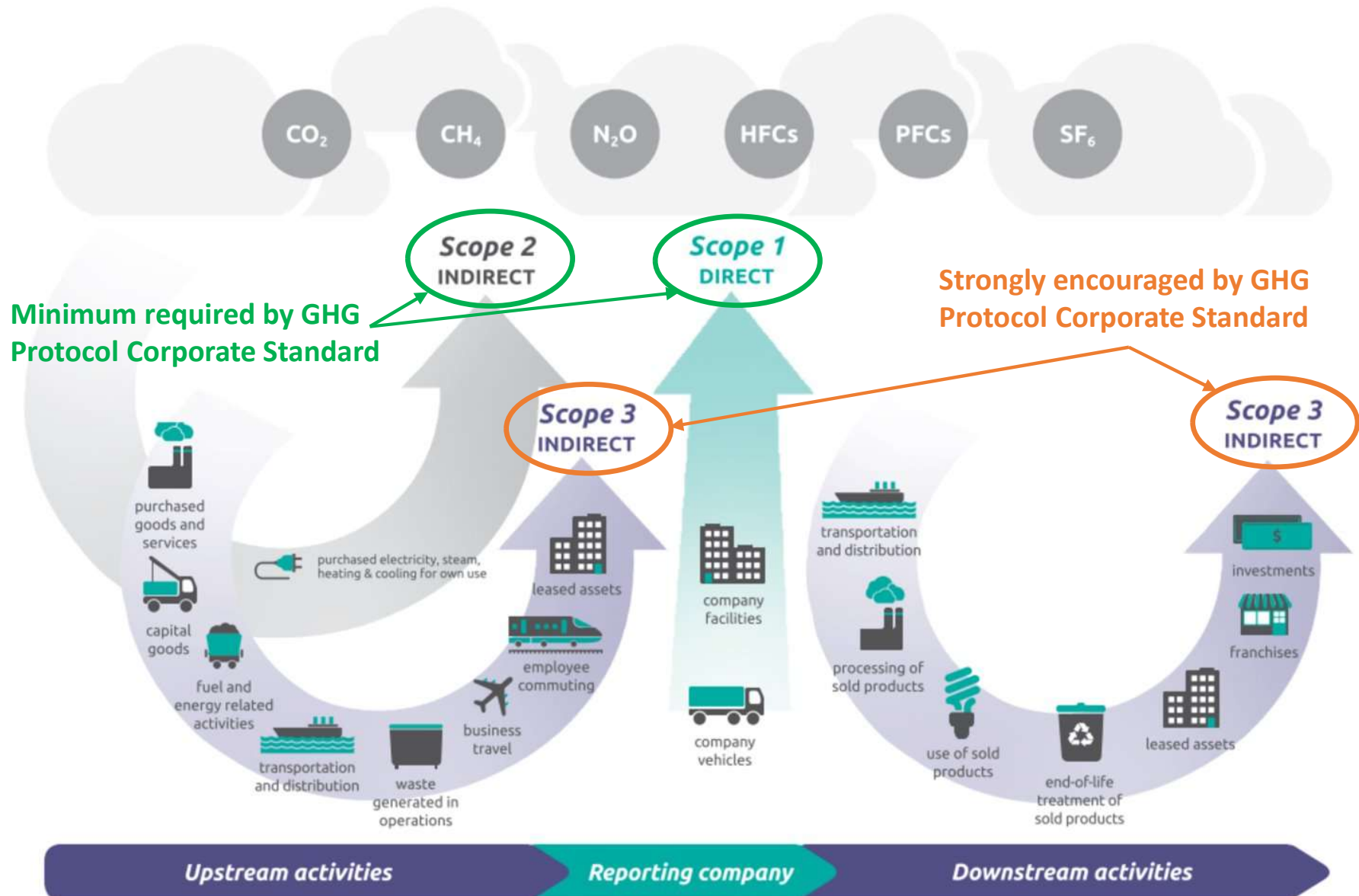

1. Set your **boundaries**

2. Find data on your **emissions sources**

3. Get relevant **emissions factors**

4. **Calculate** your footprint

5. **Report** your results

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Underlying Reporting Standards

− GHG Protocol Corporate Standard (Revised Edition, 2015 amendment)

− GHG Protocol Scope 2 Guidance (2015)

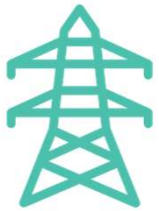− GHG Protocol Corporate Value Chain (Scope 3) Standard (2011)

All GHG Protocol standards currently being reviewed & updated...
New standards expected to launch in 2027 (drafts in 2026)

Source: GHG Protocol (https://ghgprotocol.org/)

Scope & Boundaries – What to Include?

Source: GHG Protocol (https://ghgprotocol.org/)

Typical Data Requirements

Access to the right data is key to an accurate Carbon Footprint!

Emission sources data, e.g.,

- ❑ Supplier invoices
- ❑ Fuel delivery statements
- ❑ Meter readings
- ❑ Fleet fuel records
- ❑ Vehicle mileage logs
- ❑ Spend data…

Intensity metric data, e.g.,

- ❑ Turnover figures
- ❑ No' employees (FTEs) figures
- ❑ Production volumes
- ❑ Floor area (where relevant)

Documenting the process: Reporting period, scope & boundaries, data collection and validation procedures, estimations, and exclusions...

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Useful Tools & Data Sources

There are many databases, calculators and platforms available to help you create an Organisational Carbon Footprint:

DEFRA/DESNZ Emissions Factors

o   Free UK database of emissions factors

o   Contains factors for fuels, electricity, vehicles and more

Circular Ecology Carbon Footprint Tool

o   Our **Free** excel-based tool for calculating Scope 1 & 2 Carbon Footprints

o   Contains up-to-date emissions factors and regularly updated

o   Automatic production of carbon footprint reports

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Calculating your Footprint

Calculating your footprint doesn't have to be complex...

All carbon impact calculations can be summarised by:

| Emission Source | ✕ | Emission Factor | = | Carbon Impact |

For example:

| 250 litres of Diesel | ✕ | 2.66 kgCO$_2$e per litre | = | 665 kgCO$_2$e emitted |

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Reporting your Footprint

What to Report

- Think about the **target audience** for your data? Is it meant for stakeholders, regulators, etc...

- Include both **absolute (tCO$_2$e)** and **intensity (tCO$_2$e / metric)** results

- Break down results by **scope, sites, geographies, business sections** and more as relevant

Where to Report

- Consider the **reporting standards** and the **target audience** for your results

- Display your results on your **website** and/or within your **annual company reports**

- Sign up to **optional reporting initiatives** such as **SBTi & CDP**

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Next steps – looking to the longer-term

Once completed, an organisational footprint can act as the base for furthering your environmental journey:

1) Annual **reporting & independent verification**

2) Set **carbon targets** and **reduction goals**

3) Plan out your **carbon reduction measures**

4) Look to **expand** scope and quality of footprint…

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Today's Webinar - Recap

✅ Understanding an Organisational Carbon Footprint

✅ Benefits of an Organisational Carbon Footprint

✅ Understanding where to start with your reporting

✅ What data you need to complete your footprint

✅ What next steps could be looking ahead to the long term

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Next Webinars

We are planning multiple **webinar series across 2025**

- **Product Carbon Footprints** - Thurs 3rd April

- **ICE Database Insights** series - Starting 10th April

Keep an eye on our networks for more information

- Website - circularecology.com

- LinkedIn - linkedin.com/company/circular-ecology

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Questions...

Thank you for attending

https://circularecology.com/organisational-carbon-footprint.html
https://circularecology.com/organisational-carbon-footprint-tool.html