



Climate Action
Accelerator

Avec la
participation
de


**MINISTÈRE
DE L'EUROPE
ET DES AFFAIRES
ÉTRANGÈRES**
*Liberté
Égalité
Fraternité*

Training session Humanitarian Carbon Calculator step-by-step walkthrough



Climate Action
Accelerator



Thursday 11 June 2026 | 10:00 CET



Online on Teams

Practical information

PROGRAMME

10:00		Welcome & Introduction
10:05		HCC webinar & technical sessions 2026
10:10		Carbon accounting & roadmap
10:15		HCC update plan 2026
10:25		HCC demo
10:40		Q&A session
10:55		Final remarks & end

- This webinar is **recorded** and will be made available on **replay** on our website and YouTube channel.
- **Your audio and video is off by default.**
- To ask a question, please **write in the Q&A** section. The moderator will read out questions during the Q&A session.



Who we are

The **Climate Action Accelerator** is a non-profit initiative based in Geneva that aims to mobilise a critical mass of high-social trust organisations around the world to scale up implementation of climate solutions within planetary boundaries, keep global warming below 2°C and avoid the risk of dangerous drift.

The goal is to help move the aid, health and higher education sectors towards greater resilience and a radical transformation of their practices, pursuing emission reduction targets and a 'net zero' trajectory, in line with the Paris Agreement.



AID



HEALTH



HIGHER EDUCATION
& RESEARCH

Our pillars

EMPOWER

Empower organisations to reduce their emissions by 2030 and prepare for greater resilience through a hub of expertise and resources.

CHAMPION

Transform them into ambassadors of change within their networks, capable of influencing their peers.

COMMUNITY

Build a global community of action, sharing climate solutions as a universal common good, to scale up their deployment.



Our 43 partners



Todays' speakers



Juan Galvez

Climate Analytics Expert,
Independent Consultant
for The Climate Action
Accelerator



Quentin Roques

Junior Climate Analytics Officer,
Climate Action Accelerator

Humanitarian Carbon Calculator

WEBINAR & TECHNICAL SESSIONS 2026

Block 1:
Foundational webinars

Block 2:
Practical onboarding

Block 3:
Technical sessions

What's new
for the HCC?

26 Feb

Calculator
walkthrough

11 Jun

Emission factor
database update

17 Sep

Baseline
recalculations

15 Oct

5 & 7 May

Greening cash &
voucher assistance

9 Jul

Data collection
challenges

1 Oct

Emissions funding
implementing partners

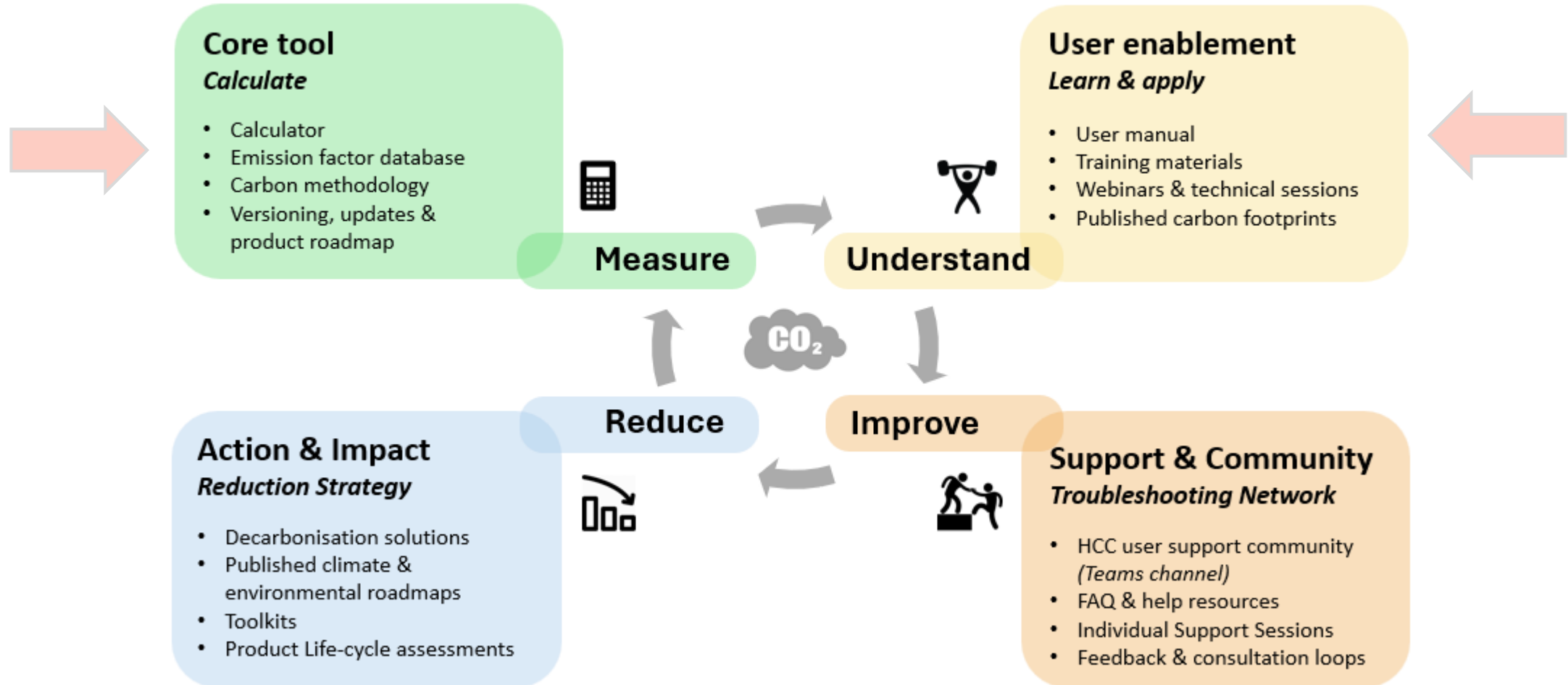


Use this
QR code
to register



Humanitarian Carbon Calculator

Package overview & main components

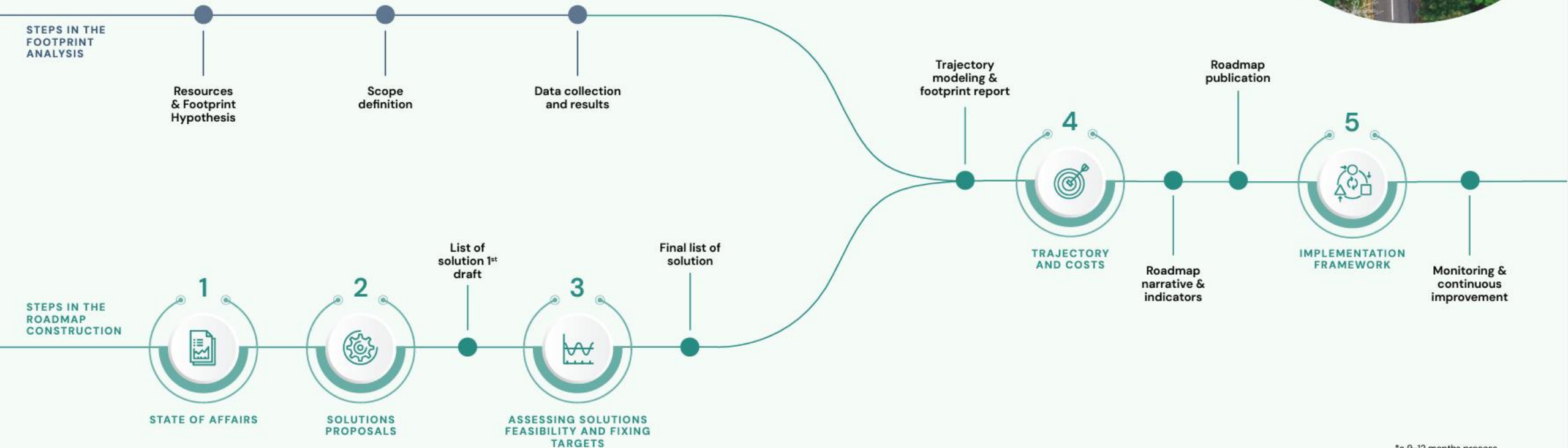


Where does carbon footprinting fit?

Decarbonisation roadmap design



OUR OVERALL METHODOLOGY*



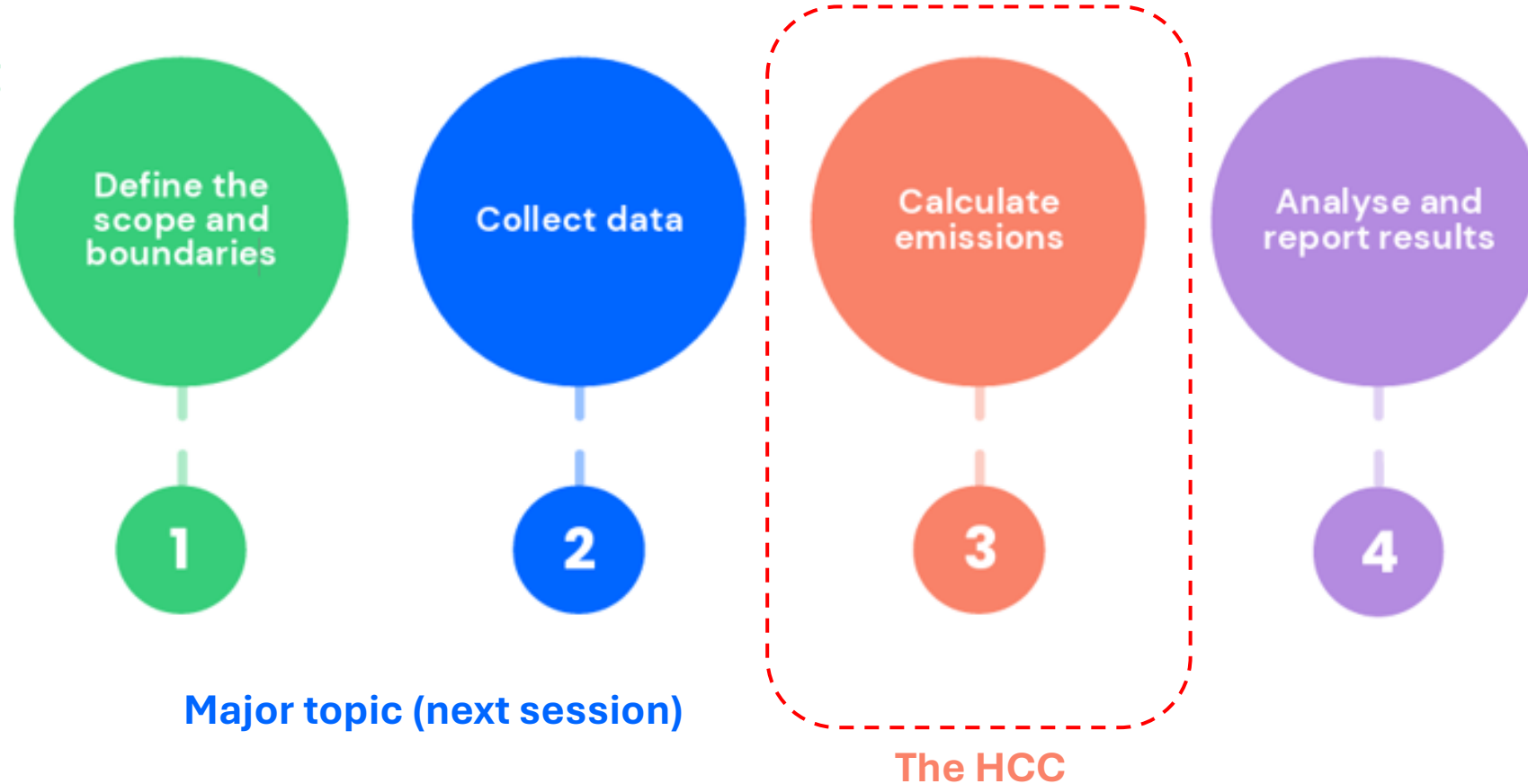
*a 9-12 months process

Where does the HCC fit in the carbon footprint process?

THE FOUR METHODOLOGICAL STAGES

WHAT IS THE PROCESS OF A CARBON FOOTPRINT?

Need to have a quick look before looking at the HCC



STEP 1

Define Scope & Boundaries

WHY IT MATTERS

- Sets the foundation for the entire carbon footprint process
- Defines which emissions are included and which are not
- Aligns stakeholders on methodology and goals from day one
- Determines the credibility and comparability of your results

GOVERNANCE

Build your validation committee

Identify who will validate methodology choices, approve boundaries, and sign off on objectives. Without governance, every subsequent decision is at risk.

METHODOLOGY

Select & document your approach

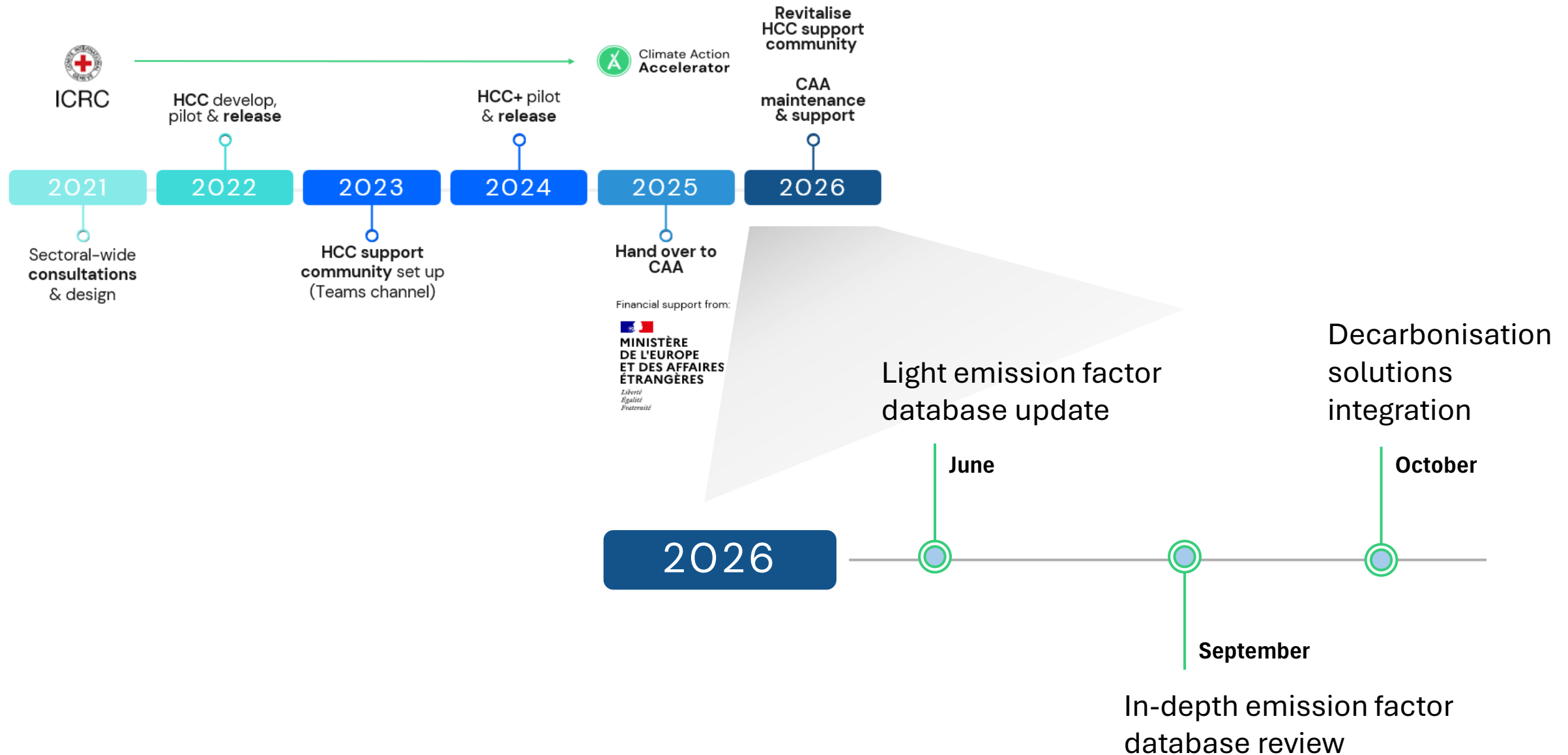
Document every methodological choice

OUTCOMES

Define your goals & expected outcomes

Are you measuring for reporting? For reduction targets? For supplier engagement? The answer can shape every boundary decision that follows.

HCC product roadmap 2026



Where to download the HCC

Currently



← → ↻  climate-charter.org/humanitarian-carbon-calculator/



Soon



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Accelerator



HCC Demo



Inside the HCC: 3 Types of Tabs

Understanding the structure before you dive in

PREPARATION TABS

Useful from day one

General Information

Overview

Emission Factors

Macro-level setup tabs that help you frame the analysis, understand priorities, and prepare for data collection. Start here.

CALCULATION TABS

One tab per emission category

Goods & Services

Travel

Energy

+ all categories

The engine of the HCC. Each emission category has its own dedicated tab where you enter activity or monetary data to compute emissions.

OUTCOME TABS

Review once data is entered

Results

PBI

Output-only tabs. They aggregate all calculations and display your total carbon footprint : ready for reporting and strategic decisions.

Preparation Tabs : A Closer Look

Three tabs to explore before any data collection begins

● General Information

The macro context of your organisation

- **FTE (Full-Time Equivalent):** used to normalise and benchmark your emissions per employee
- **Budget:** enables intensity ratios (tCO₂e per M€ revenue) for strategic interpretation
- **Why it matters:** raw emission numbers mean little without context : these inputs make your data actionable

● Overview

Your emission category map & priority guide

- **Lists all categories:** gives you a full picture of what the HCC covers before you start
- **Priority indicator:** signals which categories are typically most material
- **Important:** treat priority as a starting indicator, not an absolute truth : your context may differ

● Emission Factors

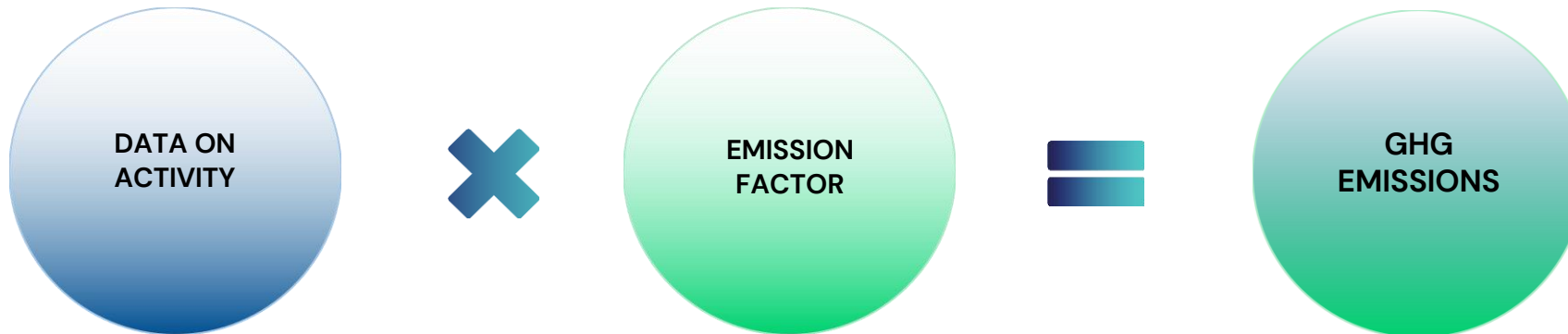
Understand what data you'll need to collect

- **Lists all EFs used:** so you know exactly which unit of activity drives each category's calculation
- **Preview data needs:** before collecting anything, see whether you need km, €, kWh, tonnes...
- **Strategic use:** spot categories where data will be hard to find : and plan accordingly

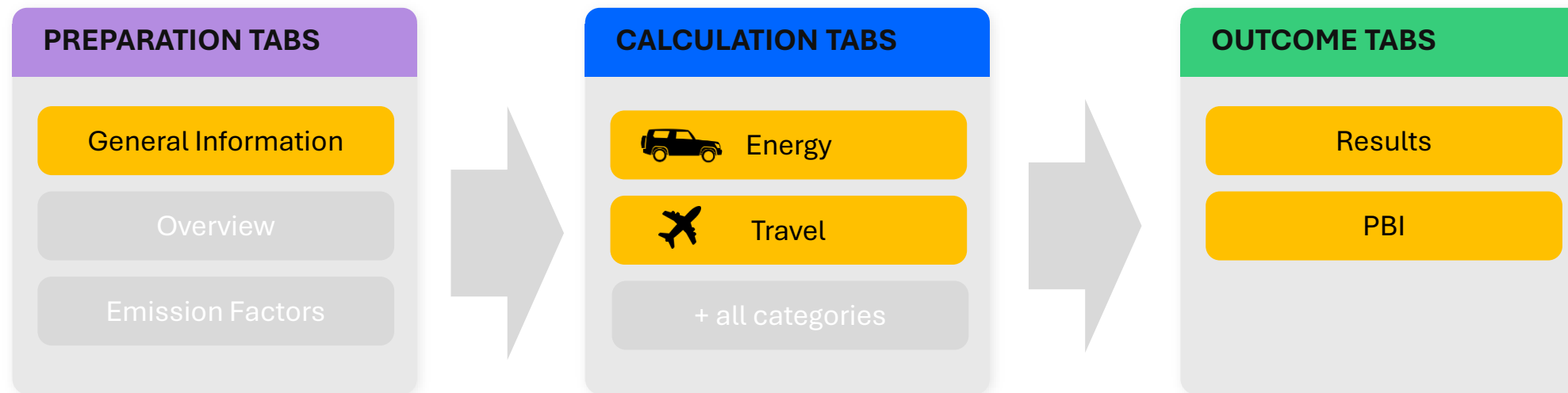
Calculation method: The GHG Protocol

Understanding the calculation logic behind calculation tabs before you dive in

To calculate greenhouse gas footprint, we collect activity data (€, km travelled, litres of fuel consumed, etc.) and multiplied them by an emission factor to calculate their equivalence in terms of the quantity of CO₂ emitted.



Example using the HCC



Office 1

5 vehicles



Diesel: 45,000 litres

Petrol: 13,500 litres



Plane – middle haul: 80,000 kms

Plane – short haul: 30,000 kms

Office 2

15 vehicles



Diesel: 225,000 litres



Plane – long haul: 56,000 kms

Plane – short haul: 8,500 kms

Office 3

7 vehicles



Diesel: 9,200 litres

Petrol: 35,000 litres



Plane – long haul: 38,650 kms

Plane – short haul: 3,700 kms

How you should start ?

3 first critical steps to get right ; **before any data collection or HCC calculation**

01

Define Your Why

Why is your organisation starting to measure GHG emissions?

- Regulatory compliance or voluntary reporting?
- Setting science-based reduction targets?
- Supplier engagement or investor requirements?
- Your 'why' directly shapes every boundary decision ahead

02

Build a Board Committee

Who should be involved and informed throughout the process?

- Executive sponsor to ensure top-down commitment
- Finance, Operations, HR, Procurement: key data owners
- Define roles & responsibilities from day one
- Establish a clear validation & approval workflow

03

Define the Right Perimeter

How to set boundaries that are complete, strategic & manageable?

- Don't exclude material emission sources
- Align scope to your stated objectives
- Avoid perimeters that add complexity without value
- Document every inclusion/exclusion decision

Next Session Preview:

Data Challenges & Best Practices

Monetary vs. Activity Data

Speed vs. Precision trade-off

Monetary data (spend-based) is faster to collect but less precise. For high-emission or strategic categories, invest in activity data (kWh, km, tonnes). Use monetary where it saves time without sacrificing accuracy on key spots.

Inflation & Financial EFs

Don't forget to adjust for price changes

When using spend-based emission factors, inflation distorts results. A €1M spend in 2019 ≠ €1M in 2023 in real terms. Always deflate financial data to the EF's base year before applying the factor.

Unit Mismatch

Your data unit ≠ your EF unit

A very common issue: your data is in litres, the EF is in kg. Or your data is in €, the EF is in km. Document the conversion applied, and flag any assumptions — this is critical for auditability.

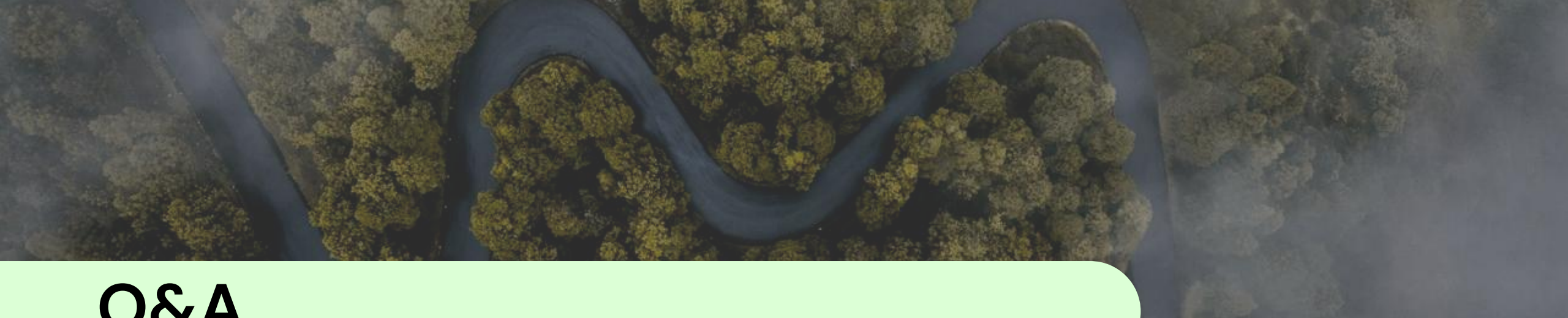
Choosing Data Sources

Multiple sources exist — which to trust?

Prioritise primary data (direct measurement) > secondary data (supplier records) > industry averages. Consistency across years matters as much as precision. Document your source for every data point.

We'll dive deep into all of this — and more — in our next session →

[\[Register here\]](#)



Q&A



Wrap up & next steps



Contact us for additional support:
analyticscontact@climateactionaccelerator.org

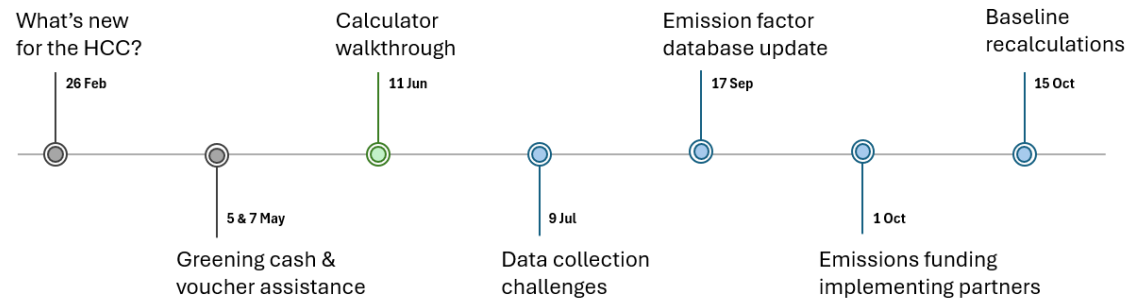


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WHAT IS IT? Practical tool to help organisations **calculate their carbon footprint**.
Compilation of **methods and resources** to follow a structured approach.

WHO IS IT FOR? Environmental specialists and carbon calculation focal points

WHAT IS INCLUDED?

- Standards & Protocols
- Emission factors sources
- Calculation tools
- Methodology sheets per category
- E-learning programs



<https://climateactionaccelerator.org/toolkits/>

SOLUTIONS HUB

Understand the topic

- 1 Generic Solutions List
- 80+ solution factsheets covering key areas to reduce the climate and environmental impact of an organisation
- 1 Overview of quick and easy wins



TOOLKITS

Implement solutions

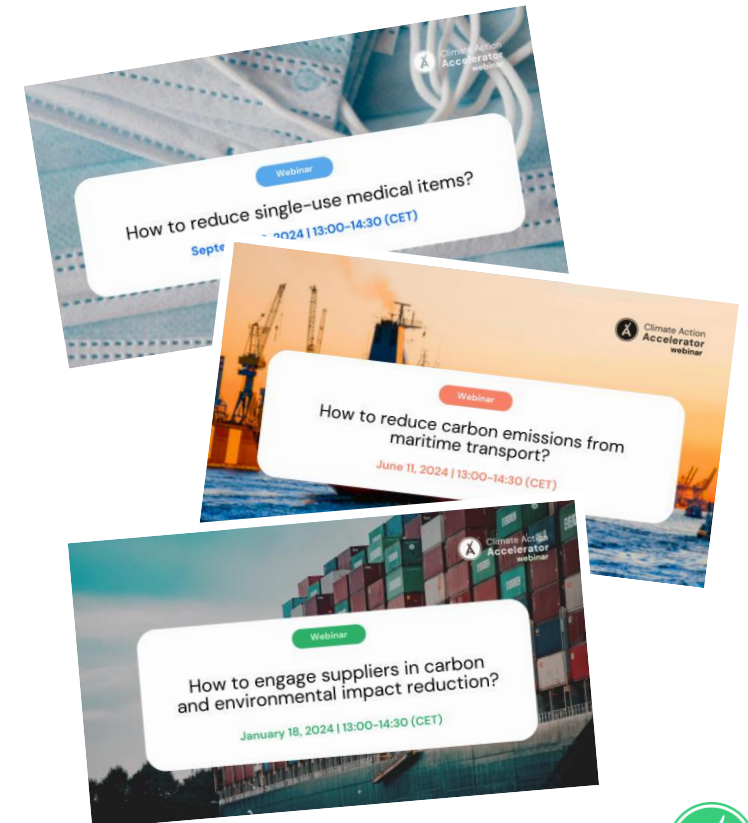
- Professional travel
- Good office practices
- Procurement
- Fleet
- Solarisation
- Waste characterisation
- Events



WEBINARS

Get inspired

- > 25 webinar replays online



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