Climate Action
Accelerator
webinar

9 January

Webinar

Implementing climate and environmental commitments
An introduction to Climate Action Accelerator's tools

Practical information

PROGRAMME

12:30 | Welcome & Introduction
12:35 | Exponential Roadmap Initiative
            Presentation & Questions
12:50 | Climate Action Accelerator
            Presentation & Questions
13:25 | Final remarks
13:30 | 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 sessions.

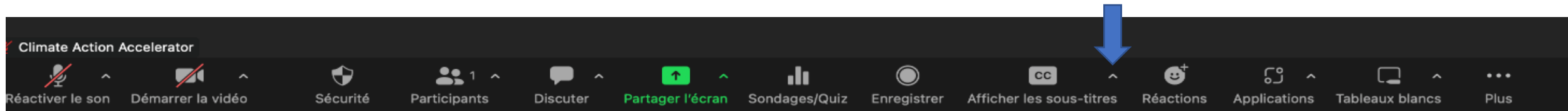- **Translation** to French is available via Zoom.

Link to webinar
page: climateactionaccelerator.org/events_and_webinars/

Translation

How to activate subtitles on Zoom ?

1) Click on « Show captions» or « Afficher les sous-titres » in the bottom bar (small arrow to the right).

2) Select the spoken language and the language you want to translate into.

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 well 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 (-50% by 2030) and a 'net zero' trajectory, in line with the Paris Agreement.

AID

HEALTH

HIGHER EDUCATION & RESEARCH

Our pillars

EMPOWER

Empower organisations to at least halve 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.

34 partners on board

Today's speakers

Louise Rehbinder

Director, Exponential Roadmap Initiative

Béatrice Godefroy

Director, Public Policy Engagement and Communications Lead at the Climate Action Accelerator

Sonja Schmid

Head, Solutions Team at the Climate Action Accelerator

Exponential Roadmap Initiative

Uniting **innovators, transformers** and **disruptors** to drive the transformation to halve global emissions before 2030 through exponential climate action and solutions
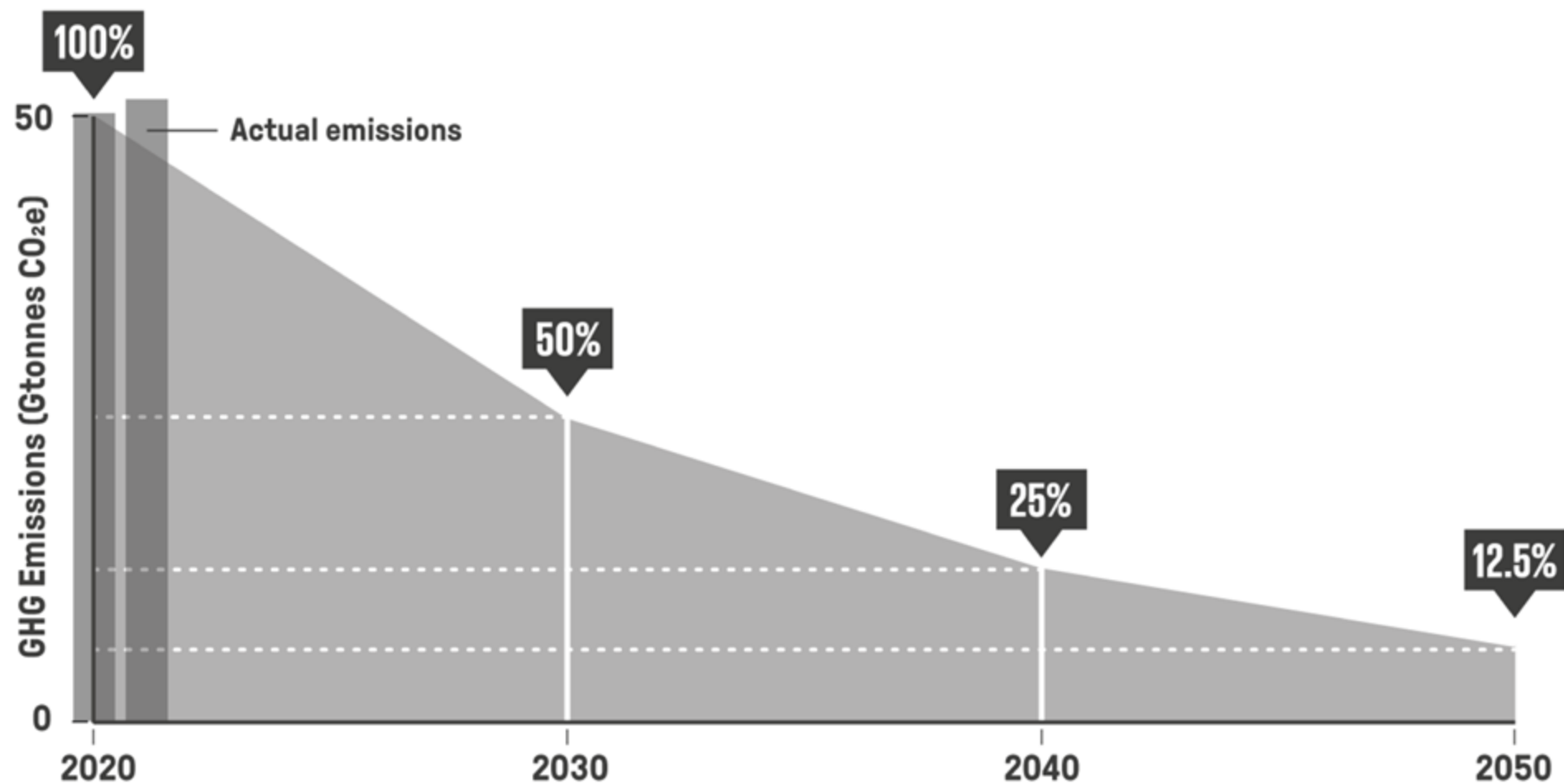
Exponential Roadmap Initiative members

Organisational partners
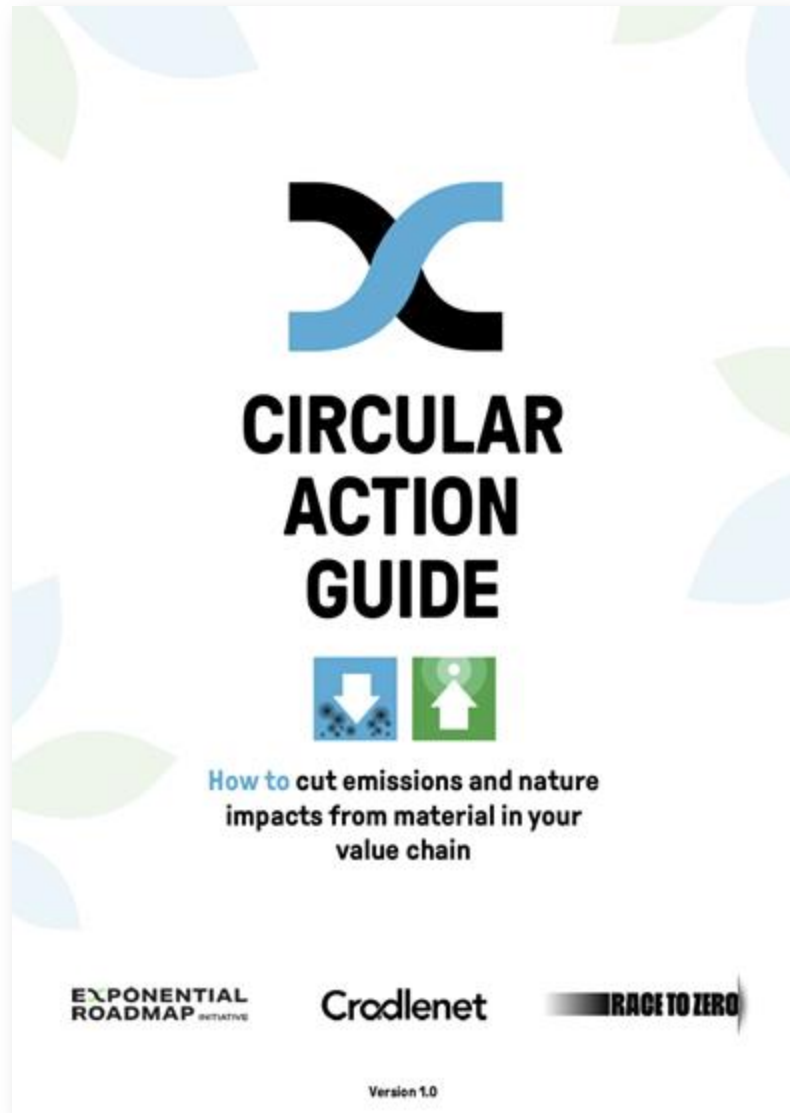
Carbon Law towards 1.5°C

THE 4 PILLARS

PILLAR 1 — REDUCE YOUR OWN EMISSIONS

PILLAR 2 — REDUCE YOUR VALUE CHAIN EMISSIONS

PILLAR 3 — PROVIDE AND SCALE SOLUTIONS

PILLAR 4 — ACCELERATE CLIMATE ACTION IN SOCIETY

EXPONENTIAL ROADMAP INITIATIVE

RACE TO ZERO

THE 1.5°C BUSINESS PLAYBOOK

For companies on a mission to change the world

2023

Version 3.0

How to reduce emissions through **supplier engagement?**

Choose which suppliers to engage with first, using criteria such as:

SPEND WITH SUPPLIER	EMISSION FACTOR OF PRODUCT/SERVICE
MATURITY OF SUPPLIERS CLIMATE WORK	STRATEGIC PARTNERSHIP WITH SUPPLIER
RELATIONSHIP WITH SUPPLIER	GEOGRAPHICAL COVERAGE OF SUPPLIER

SUPPLIER ACTION GUIDE

How to halve emissions in your supply chain by working with your suppliers

EXPONENTIAL ROADMAP INITIATIVE   RACE TO ZERO

Version 1

Link to the guide

EXPONENTIAL ROADMAP INITIATIVE

Link to the guide

7 Key actions
To transform your business to circularity
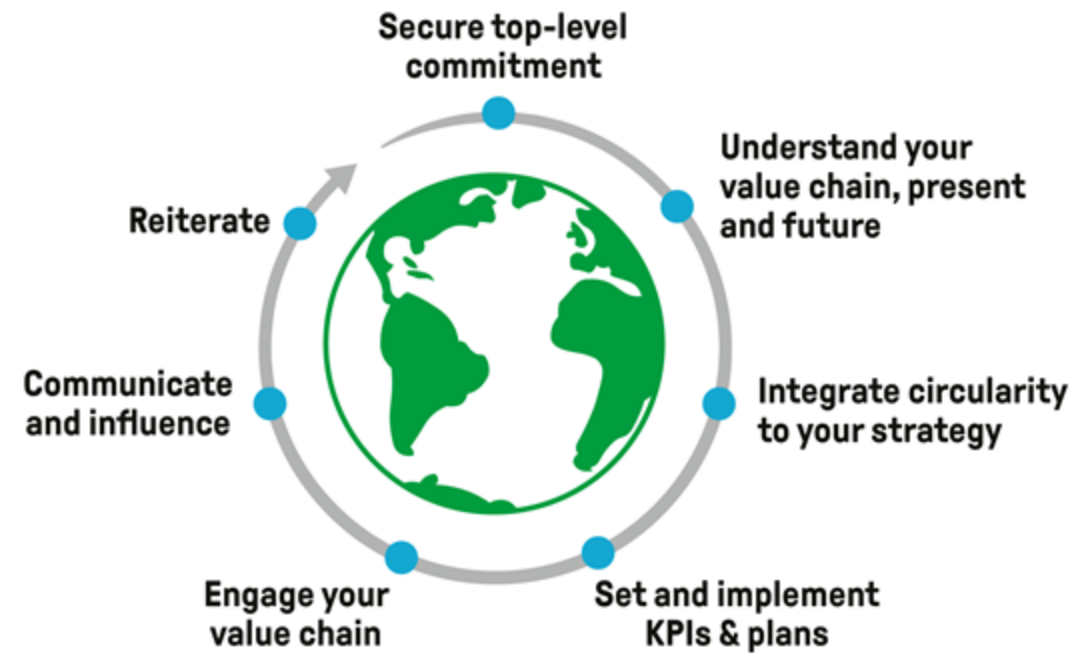
What is the SME Climate Hub?

The SME Climate Hub provides small and medium sized enterprises (SMEs) with a one-stop-shop to:
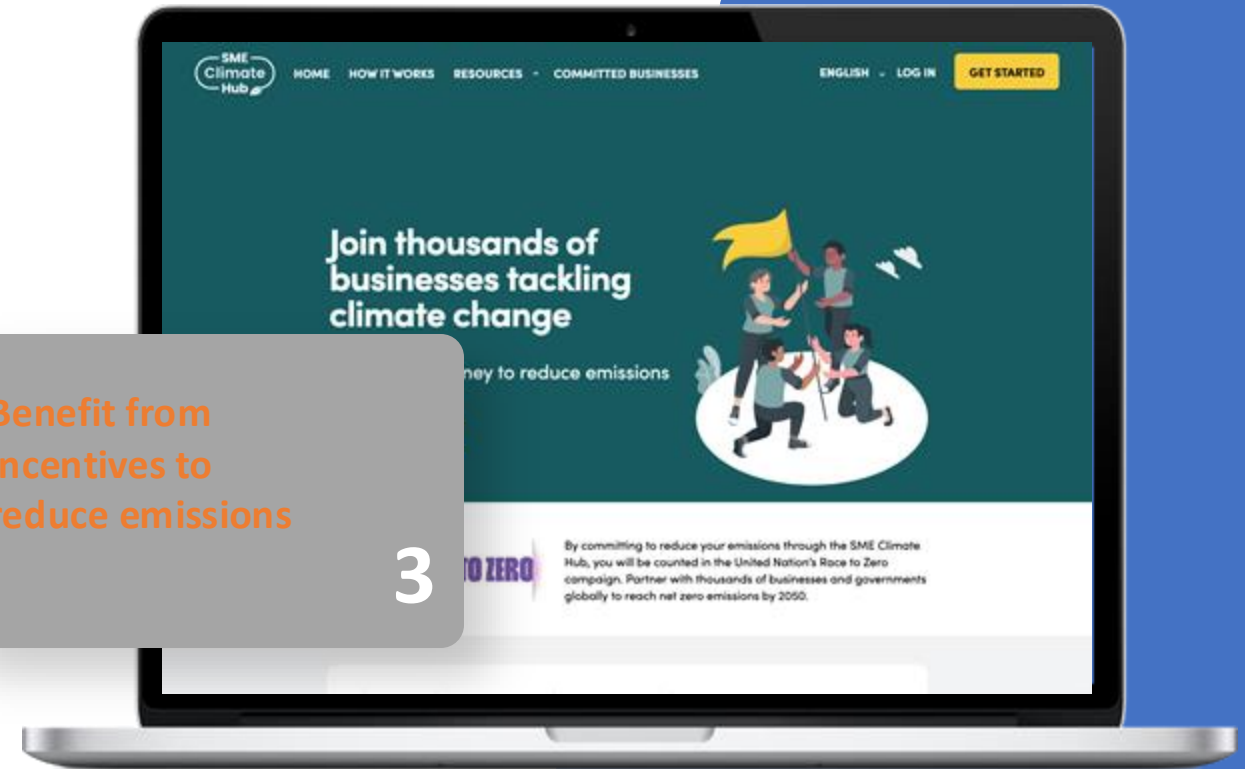
Commit to climate targets aligned with 1.5°C

1

Access free tools to measure emissions, act & report

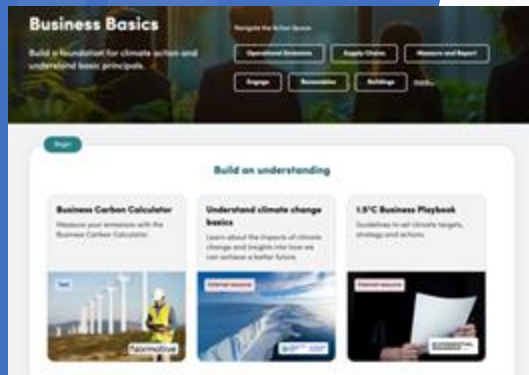**2**

Benefit from incentives to reduce emissions

3

The initiative is the official pathway for SMEs to join the UN Race to Zero campaign. Over 8000 SMEs from 100+ countries, have made the commitment.
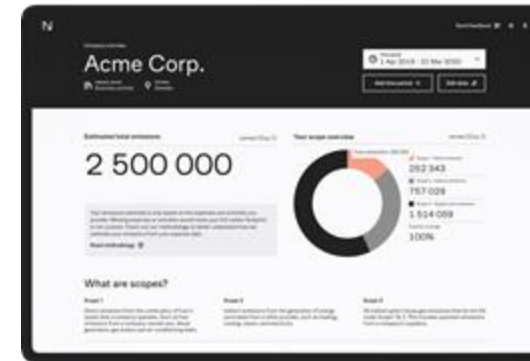
Free resources and tools

Accessing free tools on guidance, measurement and reporting

Action Space

A practical step-by-step guide and courses to help you reduce emissions across your business – from operations to supply chain to messaging
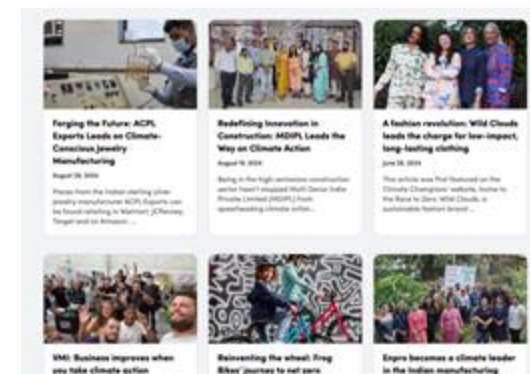

Carbon Calculator

Provides SMEs with Scope 1, 2 and 3 emissions following the Greenhouse Gas Protocol. (New calculators planned for the beginning of 2025)

SME Reporting Tool

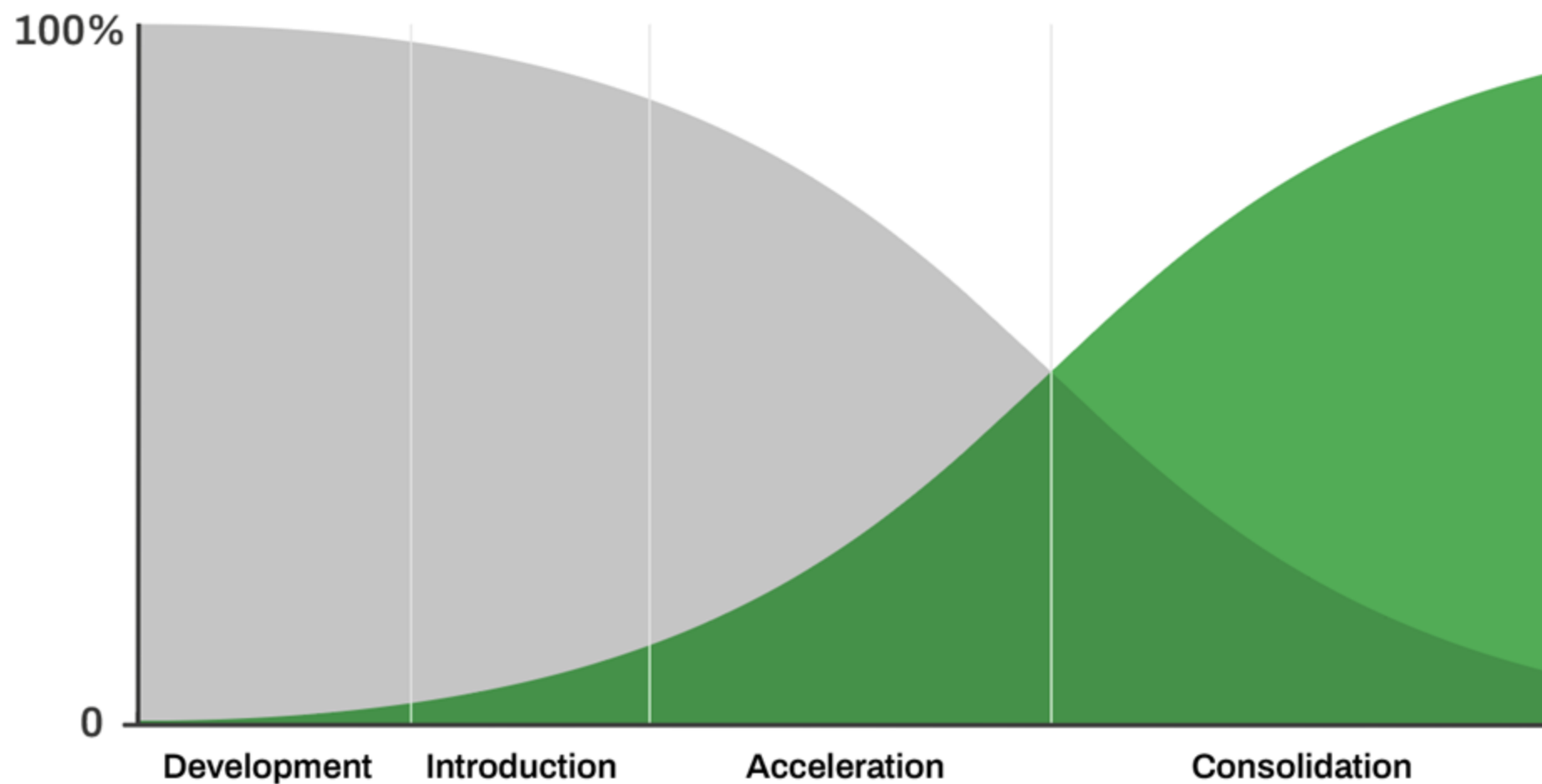Enables committed SMEs to report on their emissions

SME Case Studies

Showcases successful cases of SMEs from various industries, providing practical reference and inspiration for enterprises.

Replacing old ways

In order to phase out fossil-based products and services, we need to scale up **climate solutions**

Roadmap for halving emissions in the humanitarian sector by 2030

A PATH TO CLIMATE-SMART HUMANITARIAN ACTION

Analysis of the sector's emissions profile, decarbonisation levers and solutions journey for halving emissions by 2030

OPERATIONAL PLAYBOOK FOR ORGANISATIONS

Formulating a pathway for transformation
- 9 Guiding principles
- 8 high impact solutions ("Top 8")
- Transformation levers
- Financial impact assessment

ENABLING CHANGE

How donors and UN lead the way, and further enable and incentivise humanitarian organisations

INFLUENCING OUR COMMUNITY

Supporting the acceleration of change across humanitarian actors, through policy recommendations and a dedicated influence strategy

A compass for acceleration

- **Disseminate best practice** among humanitarian organisations
- **Maximize the volume of emissions potentially avoided**
- Pave the way for **consistent monitoring and reporting on emissions**.

→ **Harmonisation leading to more effective emissions reduction plans**

PRINCIPLES

GENERIC TOOLS

CAPACITY BUILDING

QUALITY CONTROL

Principles

Principle 1: Take Responsibility on what you control and can influence

Principle 2: Engage in radical collaboration with others

Principle 3: Reinforce or maintain social goals and humanitarian principles

Principle 4: Set quantified targets and milestones

Principle 5: Exercise integrity

Principle 6: Commit to transparency

Principle 7: Favour integrated approaches to climate and environment

Principle 8: Make the best use of resources, limiting consumption as and when relevant

Principle 9: Embark your community

Key findings - 2022 baseline estimate

Global footprint of the International Humanitarian Aid Sector by nature

Global total 35 MtCO2e 2022

➔ National Health Service UK 25 MtCO2e 2019

➔ An EU city of 4.6m inhabitants, consumption-based
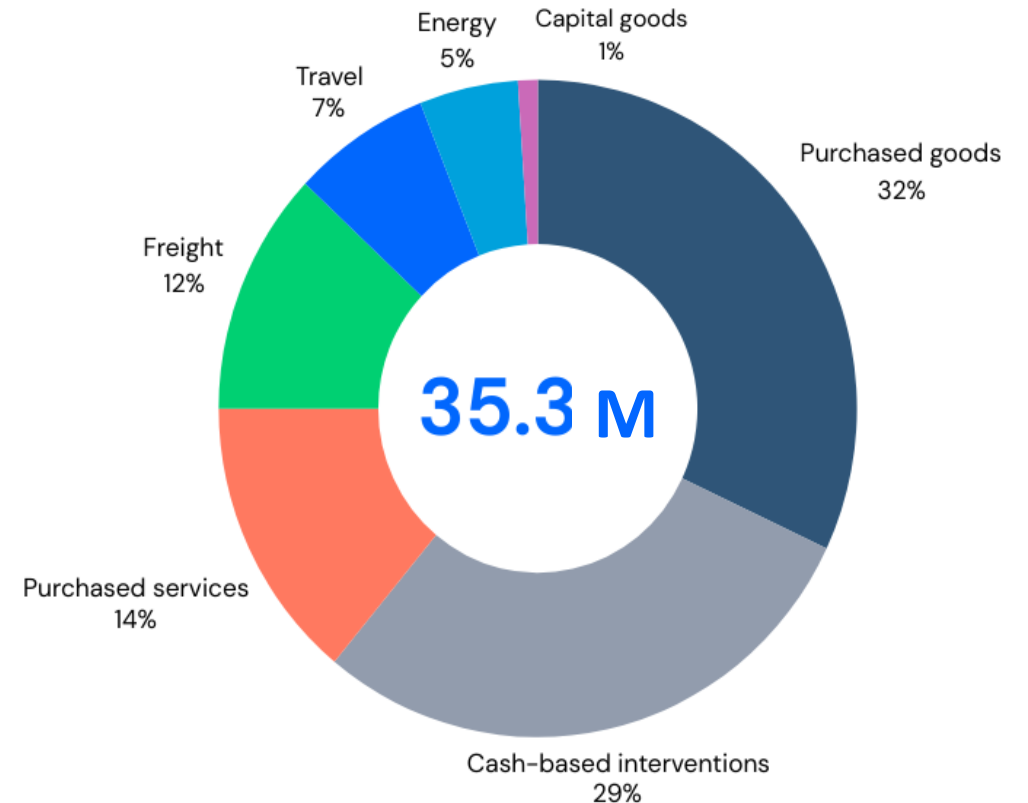
Main sources of emissions

1. Purchased goods 32%,
2. Purchased services 14%
3. CVA 29%
4. Energy, freight, travel 24%

Procurement = 75% of emissions

Emissions intensity

0.90 kg CO2e/EUR in 2022 (twice the level of manufacturing sector in the EU)

Energy 5% **Capital goods 1%** **Travel 7%** **Freight 12%** **Purchased goods 32%** **35.3 M** **Purchased services 14%** **Cash-based interventions 29%**

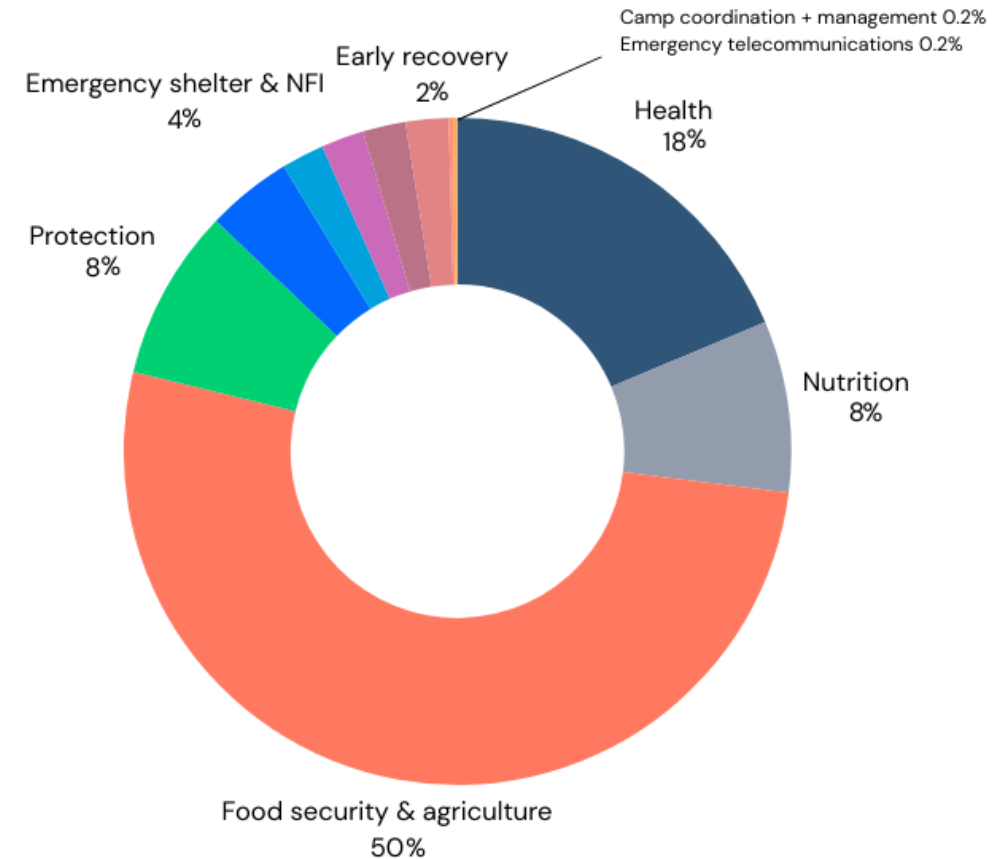**Overview of global emissions for the humanitarian aid sector in 2022**

Key findings - 2022 baseline estimate

Global footprint of the Humanitarian Aid Sector by cluster

92% of the sector's emissions

Top 6 cluster emissions sources:

1. Food security and agriculture (50%)
2. Health cluster (18%)
3. Nutrition cluster (8%)
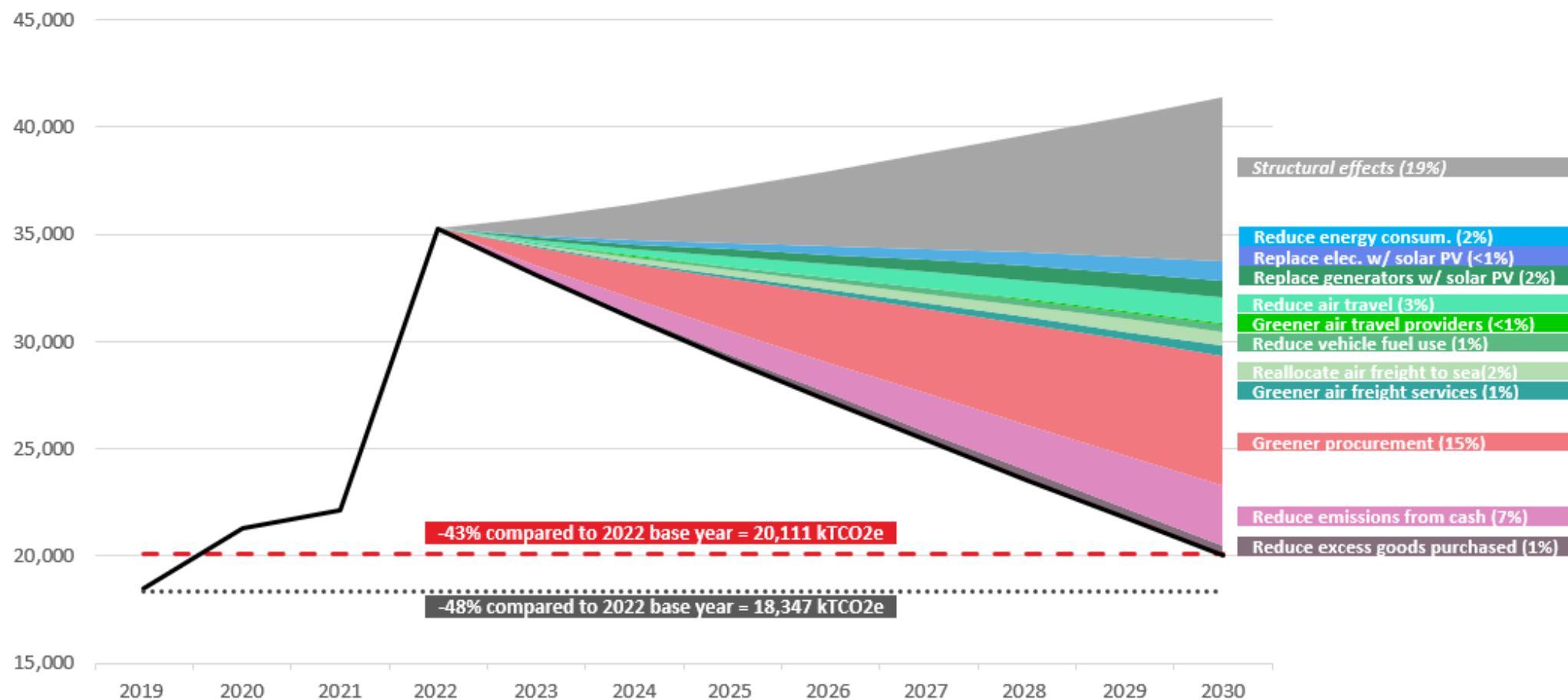4. Protection (8%)
5. WASH (4%)
6. Emergency Shelter (4%)

Camp coordination + management 0.2%
Emergency telecommunications 0.2%

Early recovery 2%

Emergency shelter & NFI 4%

Health 18%

Protection 8%

Nutrition 8%

Food security & agriculture 50%

Key findings – definition of levers & targets

	Decarbonisation lever	Applied to	Emissions Category
1	Reduce energy consumption by 40%	All emissions sources captured in the "Energy" category	ENERGY
2	Replace 20% of electricity purchased from the grid with solar photovoltaic (PV) panels	"Electricity" sub-category within the "Energy" emissions categorisation	ENERGY
3	Replace 80% of non-electricity and natural gas energy purchased (e.g., generator fuel) with solar PV	"Other" sub-category within the "Energy" emissions categorisation	ENERGY
4	Reduce number of passenger-km travelled by 45%	All travel modes	TRAVEL
5	60% of travel flights to be booked on less carbon intensive flights (i.e., flights with 20% lower CO2e emissions than current flights)	Air travel	TRAVEL
6	Reduce energy consumption used in land travel (excluding rail travel) by 40%	Land travel (including rail travel and vehicle travel)	TRAVEL
7	Reallocate 35% of air freight to sea freight	Air freight and sea freight	TRANSPORT
8	Transition 60% of freight services to greener providers reducing emissions intensity of all freight services by 20%	All freight sub-categories	TRANSPORT
9	Transition to greener procurement of goods and services, reducing the emissions intensity of all goods and services by 40%	Purchased goods; purchased services and capital goods	PROCUREMENT
10	Reduce indirect emissions associated with cash-based interventions/ disbursements by 30%	Cash-based interventions/ disbursements	PROCUREMENT
11	Reduce excess goods purchased by 80%. (Excess goods are unnecessary orders that represent 10% of total expenditure.)	Purchased Goods	PROCUREMENT

Key findings - Trajectory

% of contribution of each lever to decarbonisation efforts

Structural effects (19%)

Reduce energy consum. (2%)
Replace elec. w/ solar PV (<1%)
Replace generators w/ solar PV (2%)

Reduce air travel (3%)
Greener air travel providers (<1%)
Reduce vehicle fuel use (1%)

Reallocate air freight to sea (2%)
Greener air freight services (1%)

Greener procurement (15%)

Reduce emissions from cash (7%)

Reduce excess goods purchased (1%)

-43% compared to 2022 base year = 20,111 kTCO2e

-48% compared to 2022 base year = 18,347 kTCO2e

Initial conclusions

-50% by 2030: a **steep curve** over 6 years requiring strong mobilisation

Maximising direct emissions reduction from **energy, freight and travel** by 2030
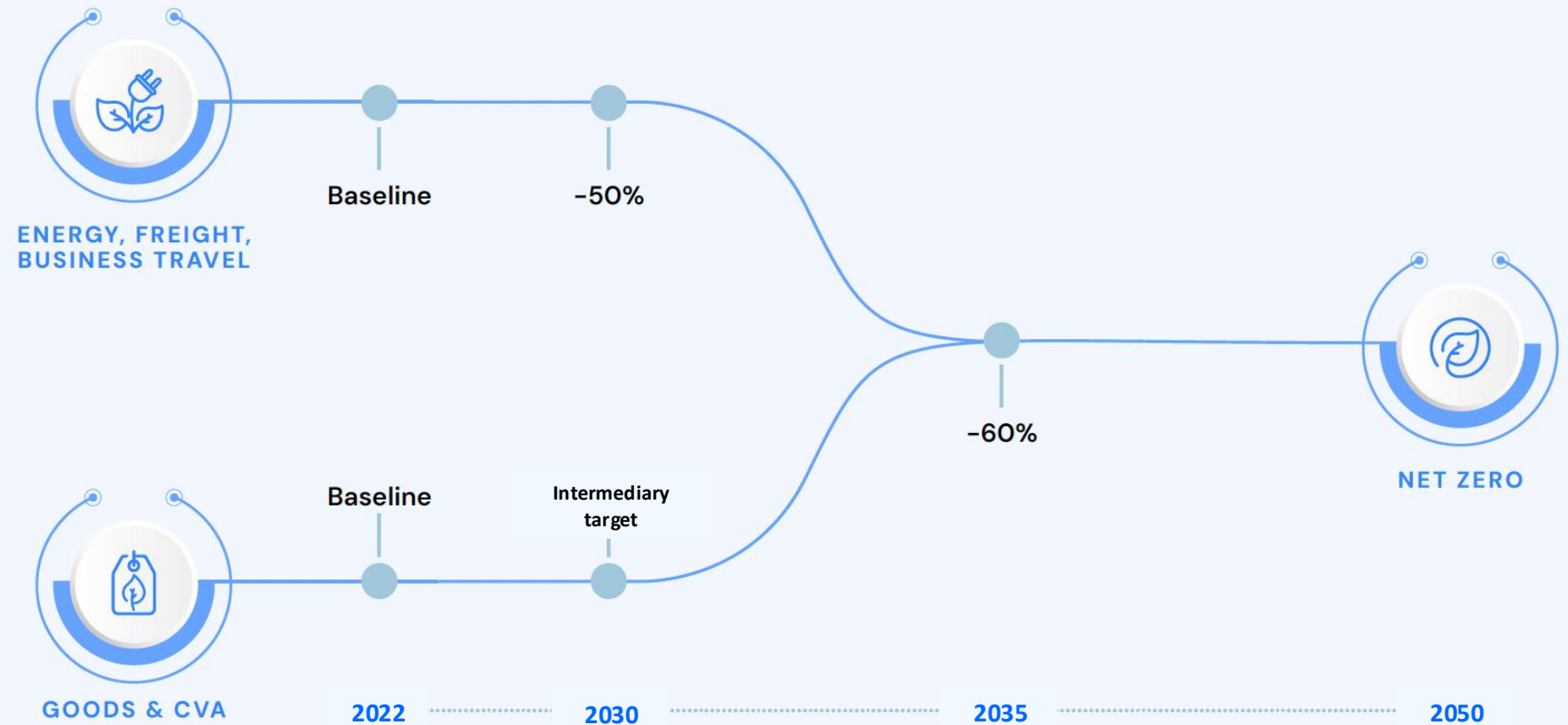
Urgent action needed on **procurement**, **especially (but not only) food items**

Further research needed on **cash (CVA)** measurement and levers

To be further explored

Alternative modelling option

ENERGY, FREIGHT, BUSINESS TRAVEL

Baseline −50%

GOODS & CVA

Baseline Intermediary target

−60%

NET ZERO

2022 .... 2030 .... 2035 2050

DUAL TIMELINE MODELLING OPTION FOR HUMANITARIAN SECTOR EMISSIONS TRAJECTORY

Financial benchmarks

Average net financial impact (yearly budget): **0.09%** without staff and **0.29%** with staff.

Running costs

1.02% on average, varying from 0.25% to 2.1%.

- Greener purchasing solutions (transport, general purchases).

Investments

0.58% of the yearly budget on average (from 0% to 1.1%).

- Energy saving measures, solar energy and environmental solutions

Savings

1.52% of the yearly budget on average (from -0.3% to -2.5%).

- Transport solutions (plane travel and freight), energy solutions.

Staff costs

An additional **0.2%** of the budget may be added for human resources

2. An operational playbook for organisations

Photo credits: Seyba Keita/ALIMA

Pathway to decarbonisation

1 ADOPTING A PRINCIPLES-BASED APPROACH

2 FOCUSING ON TOP SOLUTIONS

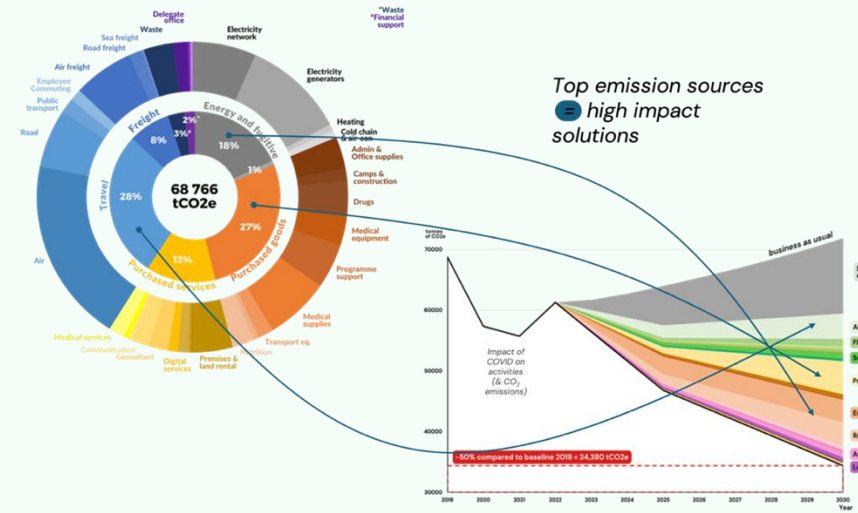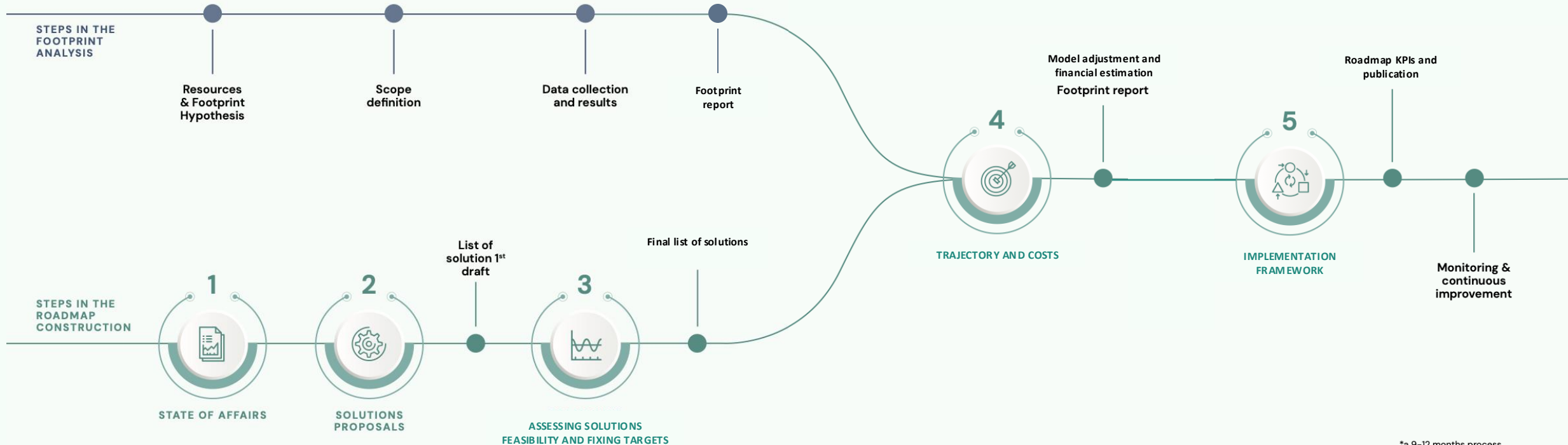**3** BEING A DRIVER OF CHANGE - TRANSFORMATION LEVERS

4 ASSESSING THE FINANCIAL IMPACT

5 Steps for developing an emissions reduction roadmap

OUR OVERALL METHODOLOGY*

STEPS IN THE FOOTPRINT ANALYSIS

- Resources & Footprint Hypothesis
- Scope definition
- Data collection and results
- Footprint report

Model adjustment and financial estimation
Footprint report

Roadmap KPIs and publication

4 TRAJECTORY AND COSTS

5 IMPLEMENTATION FRAMEWORK

Monitoring & continuous improvement

STEPS IN THE ROADMAP CONSTRUCTION

List of solution 1st draft

Final list of solutions

1 STATE OF AFFAIRS

2 SOLUTIONS PROPOSALS

3 ASSESSING SOLUTIONS FEASIBILITY AND FIXING TARGETS

*a 9–12 months process

Based on its work with its humanitarian partners, Climate Action Accelerator proposes a list of eight solutions to prioritise effective emissions reduction.

PILLAR 2:
FOCUSING ON TOP SOLUTIONS

TOP 8 SOLUTIONS

1. REDUCE ENERGY CONSUMPTION

2. SWITCH TO RENEWABLE ENERGY BY DEFAULT

3. FLY LESS AND LESS EMISSIVE

4. OPTIMISE FLEET MANAGEMENT AND DRIVE LESS EMISSIVE

5. SWITCH TO LOW-CARBON, SUSTAINABLE ALTERNATIVES

6. PRIVILEGE LOW-CARBON SUPPLIERS AND HELP SHAPE MARKETS

7. BUY ONLY WHAT IS NEEDED

8. SHIFT FROM AIR FREIGHT TO MARITIME, ROAD AND TRAIN

▶ **80 to 90 % of internal reduction efforts**

OTHER SOLUTIONS: WASTE, BIODIVERSITY, DIGITAL

Example: energy and premises

- Scope and definition
- Why is this important for humanitarian actors
- Specific actions
- Opportunities, challenges, enablers
- Co-benefits
- Financial impact assessment
- Good practices
- Tips

1. Reduce energy consumption

2. Switch to renewable energy by default

SOLUTION #1

REDUCE ENERGY CONSUMPTION

- This solution costs on average 0.04% over 7 years, with the financial impact varying from average savings of 0.19% to average costs of 0.23%.
- On average, this solution starts generating savings in year 5. By year 7, savings reach 0.10% of the budget, on average.
- The running costs and human resources costs needed to implement this solution are limited.

Main assumptions:

- A reduction in energy consumption averaging 25%, coming from behaviour change, insulation and energy saving equipment.
- The need to combine insulation solutions: "white roofs" (relatively cheap) and proper insulation of buildings (more costly).
- The need to invest in energy monitoring equipment, estimated between 300 USD and 5,000 USD per power source.
- A 'top-up' for the renewal of equipment (air conditioning (AC) units, fridges, etc.), allowing organisations to replace old appliances with energy efficient ones. This budget can vary from 5,000 USD to more than 10,000 USD.
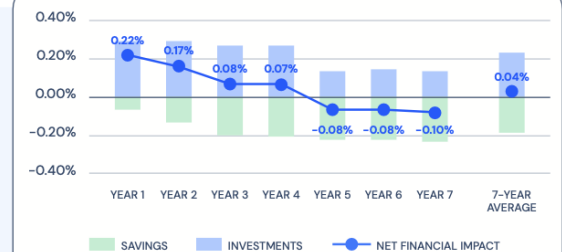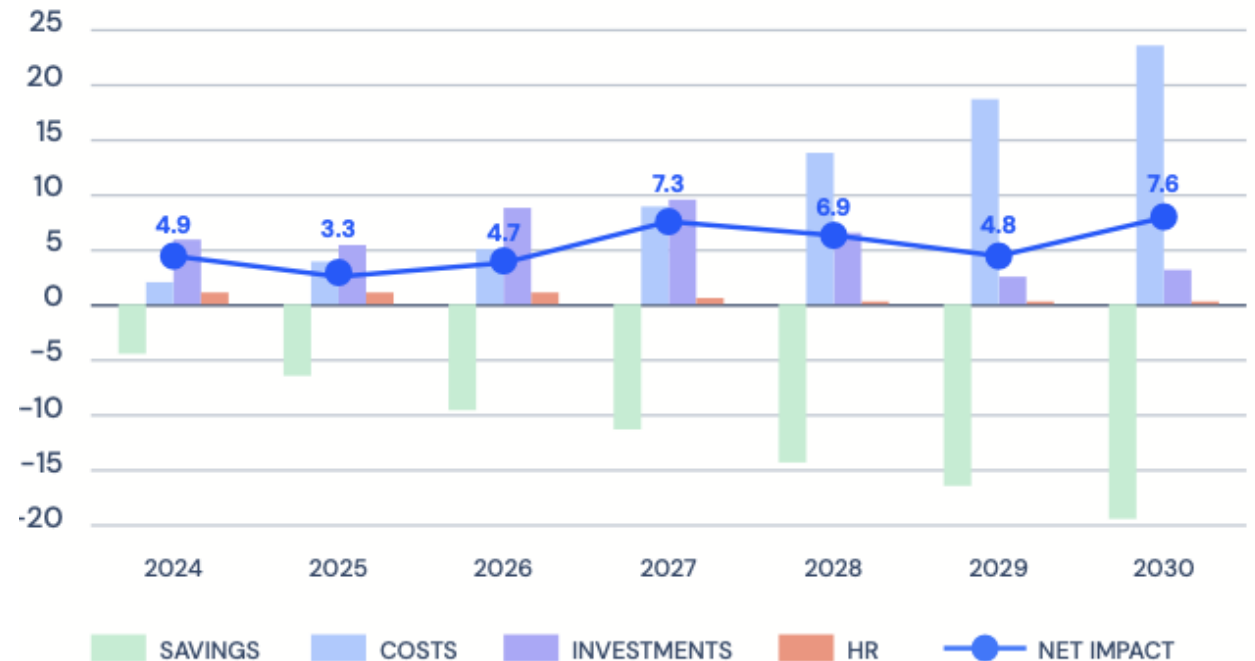

Figure XX: Reduce energy consumption: average yearly evolution of financial impact (as % of yearly budget)

Main differences observed among the Climate Action Accelerator's partner organisations:

- A different average cost per kWh, which is a consequence of both the geographical footprint and the proportion of energy coming from generators vs. coming from the grid.
- The proportion of surface area for which insulation is relevant and cost-effective, i.e. mainly offices and medical warehouses with a sufficiently long tenancy.

Methodology for assessing the financial impact of climate roadmaps

STEP 1: Establish the nominal and activity growth scenario

STEP 2: Undertake a solution-by-solution financial estimate of costs, savings, and investments

STEP 3: Estimate human resources requirements

STEP 4: Bring all information together

Chart axis values: 25, 20, 15, 10, 5, 0, -5, -10, -15, -20

Net impact values by year: 2024: 4.9, 2025: 3.3, 2026: 4.7, 2027: 7.3, 2028: 6.9, 2029: 4.8, 2030: 7.6

Legend: SAVINGS, COSTS, INVESTMENTS, HR, NET IMPACT

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Q&A Session

RATIONALE

The problem

- Lack of a centralised repository of climate solutions for organisations
- Lack of access to practical tools
- Lack of inspiring examples by peers

Our approach

- An open-source access to a repository of climate and environmental solutions
- Sharing of practical tools, templates
- Developing a community of partners and a broader network

Open-source logic

Accelerate uptake

Promoting inspiring examples

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 monitoring*
- Heat management**

available soon

WEBINARS

Get inspired

- 13 webinar replays online
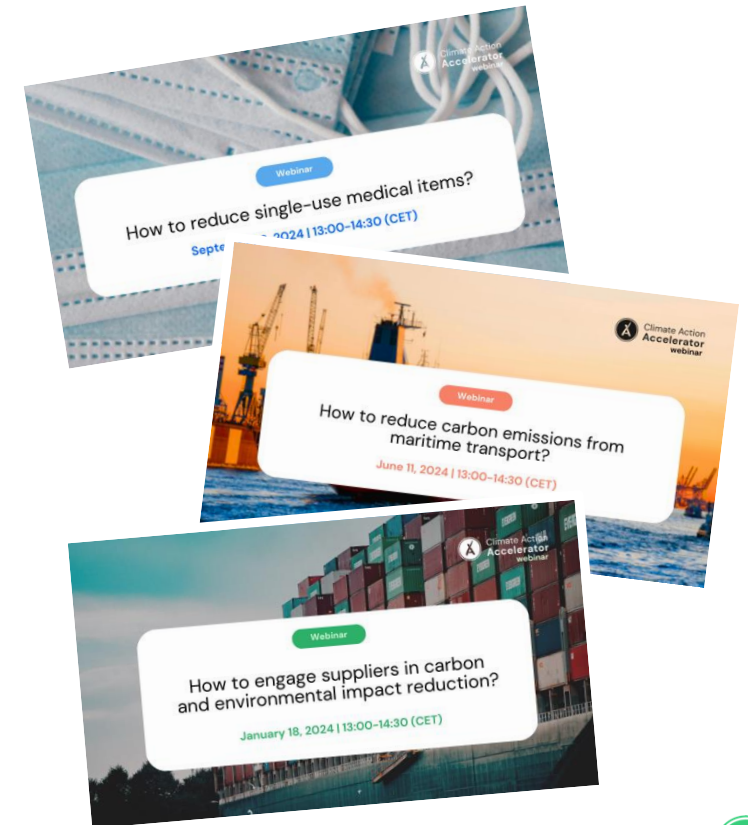
SOLUTIONS LIST

A **generic solutions list,** based on the solutions from climate and environmental roadmaps of our partners, can be adapted by any organisation to develop their own roadmap.

Generic solutions list

Partner roadmaps

SOLUTION FACTSHEETS

Solution factsheets provide an overview of a solution. They feature a short explanation, implementation actions, key facts, success stories and further resources.

QUICK AND EASY WINS

There is an urgent need to act! There are simple, effective and no-regret actions to take now to reduce your carbon and environmental footprint, until a more strategic approach is validated.
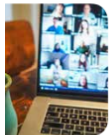
This document provides 10 ready-to-use actions to get started.

https://climateactionaccelerator.org/quick_and_easy_wins/

TOOLKITS

The toolkits are designed to provide environmental coordinators and decision-makers with hands-on advice, often in the form of a step-by-step process, along with a suite of practical tools to support the implementation of [climate and environmental roadmaps](#).

While solution factsheets provide an overview of a topic, the toolkits focus on practical application.
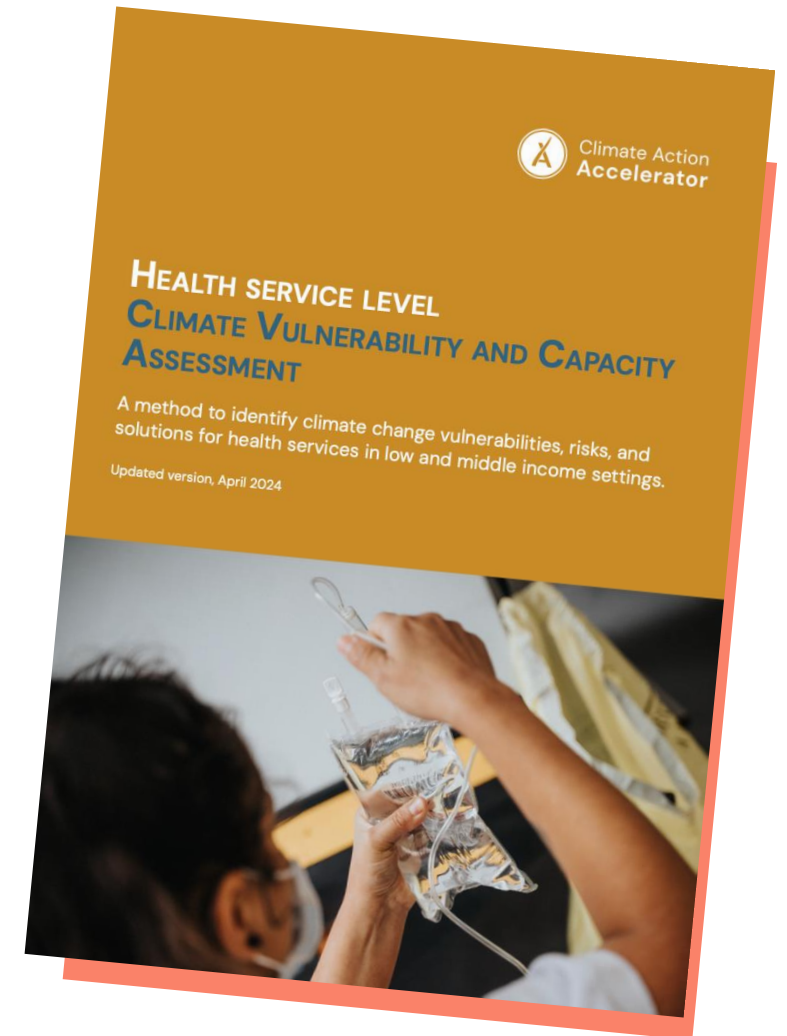

https://climateactionaccelerator.org/toolkits/

CLIMATE VULNERABILITY AND CAPACITY ASSESSMENT TOOL

Vulnerability and Capacity Assessments (VCA) are the cornerstone of Disaster Risk Reduction activities. They allow the identification of **risks** for which **mitigation actions** can be undertaken, thus contributing to improving **system resilience**.

This document describes a methodological approach developed by Climate Action Accelerator for climate vulnerability and capacity assessment at the level of a **single hospital or primary care network** in **low/medium resource and fragile settings**.

https://climateactionaccelerator.org/climate-vca/

HEALTH SERVICE LEVEL
CLIMATE VULNERABILITY AND CAPACITY ASSESSMENT

A method to identify climate change vulnerabilities, risks, and solutions for health services in low and middle income settings.

Updated version, April 2024

Climate Action Accelerator

TECHNICAL PROJECTS

Life cycle analyses of key items of the humanitarian sector

→ Performing life cycle analyses of 13 high-impact items to identify key reduction strategies and to equip the sector with better adapted emission factors.

→ Easy-to-understand summaries per item available in Q2 2025.

Tackling local plastic pollution from RUTF sachets and dispensing bags

→ Investigate, test, document and share solutions for reducing local environmental pollution from the sachets and dispensing bags.

→ Performing a life cycle analysis of both items, improving local collection rate, identifying end-of-life options, identifying alternative materials, performing a sensitisation campaign.

→ Final project results available soon.

Upcoming: Our capacity building programme (working title)

Empower a large number of organisations through collective cycles, mentoring, and monitoring

- 3-year collective cycles with as many as 10 organisations per cycle.

- Implementation toolkits & online support.

- Onboarding to begin Q2 2025

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Your contribution

Please share your **best practices** with us

contact@climateactionaccelerator.org

Thank you !

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limateactionaccelerator/

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Climate Action Accelerator