

The Road to Net-Zero

Agenda

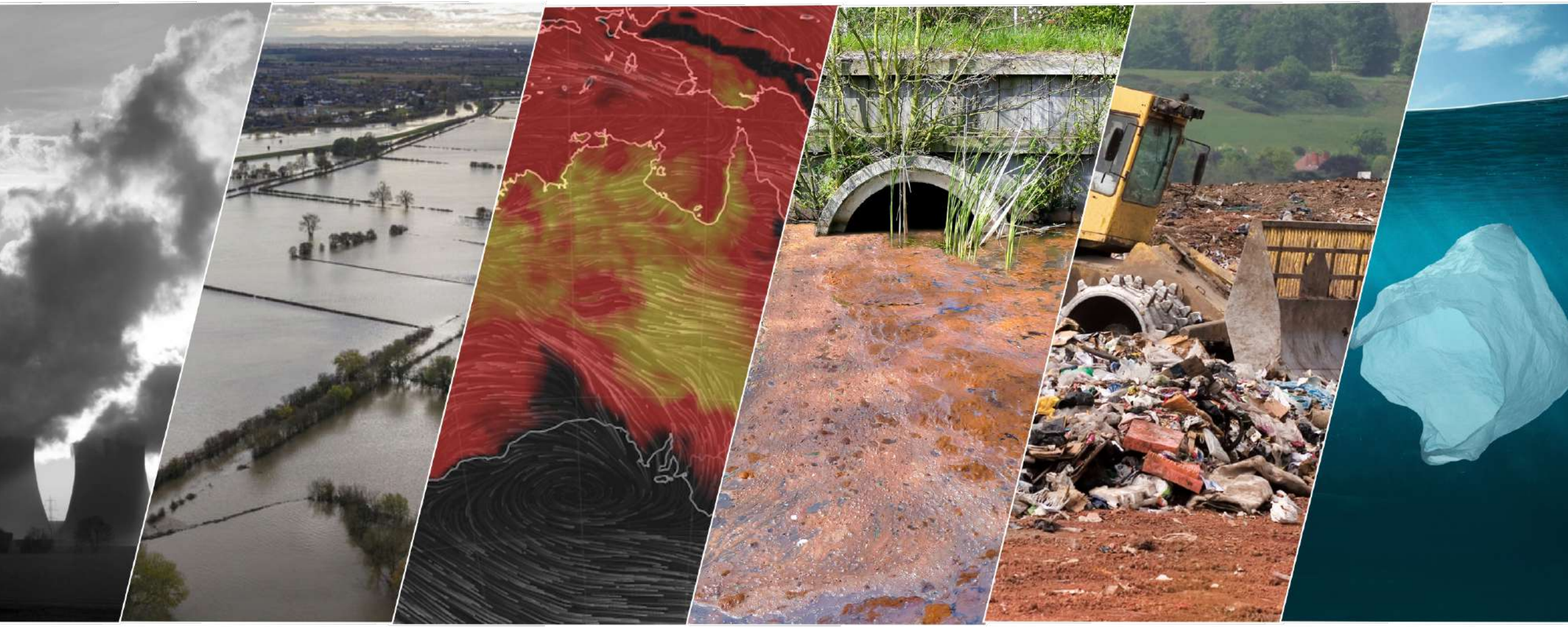
- Why is Net-Zero so Important?
- A Bit of Jargon Busting
- The Roadmap to Net-Zero (and Beyond)
- What to Include / Exclude in your Carbon Footprint
- How to Decarbonise
- Carbon Offsetting / Sequestration Options





Ministry
of Defence







Jargon Busting

Carbon Neutral – Offsetting without necessarily reducing emissions

Science-Based Target – Setting a target to reduce emissions in alignment with climate science (Paris Agreement)

Net-Zero – Reducing emissions in line with the Paris Agreement and removing 100% of emissions annually

Beyond Net-Zero – Reducing emissions in line with the Paris Agreement and removing >150% of annual emissions

True Net-Zero – When all emissions are eliminated, where feasible

THREE POINT PROCESS

1. **CALCULATE**
2. **REDUCE**
3. **COMPENSATE**

FOUR POINT PROCESS

1. CALCULATE

2. REDUCE

3. COMPENSATE

4. ENHANCE

FOUR POINT PROCESS

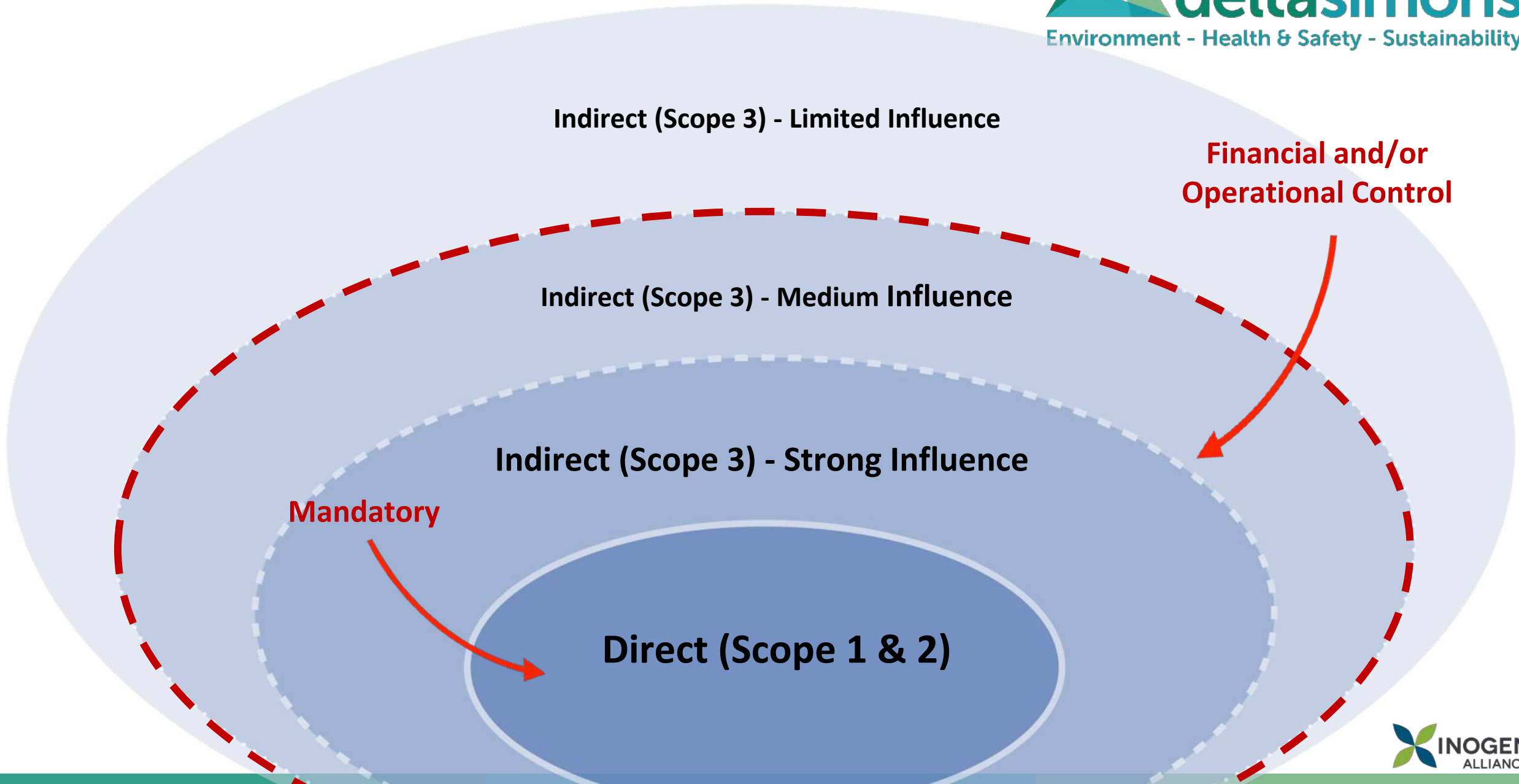
1. CALCULATE

2. REDUCE

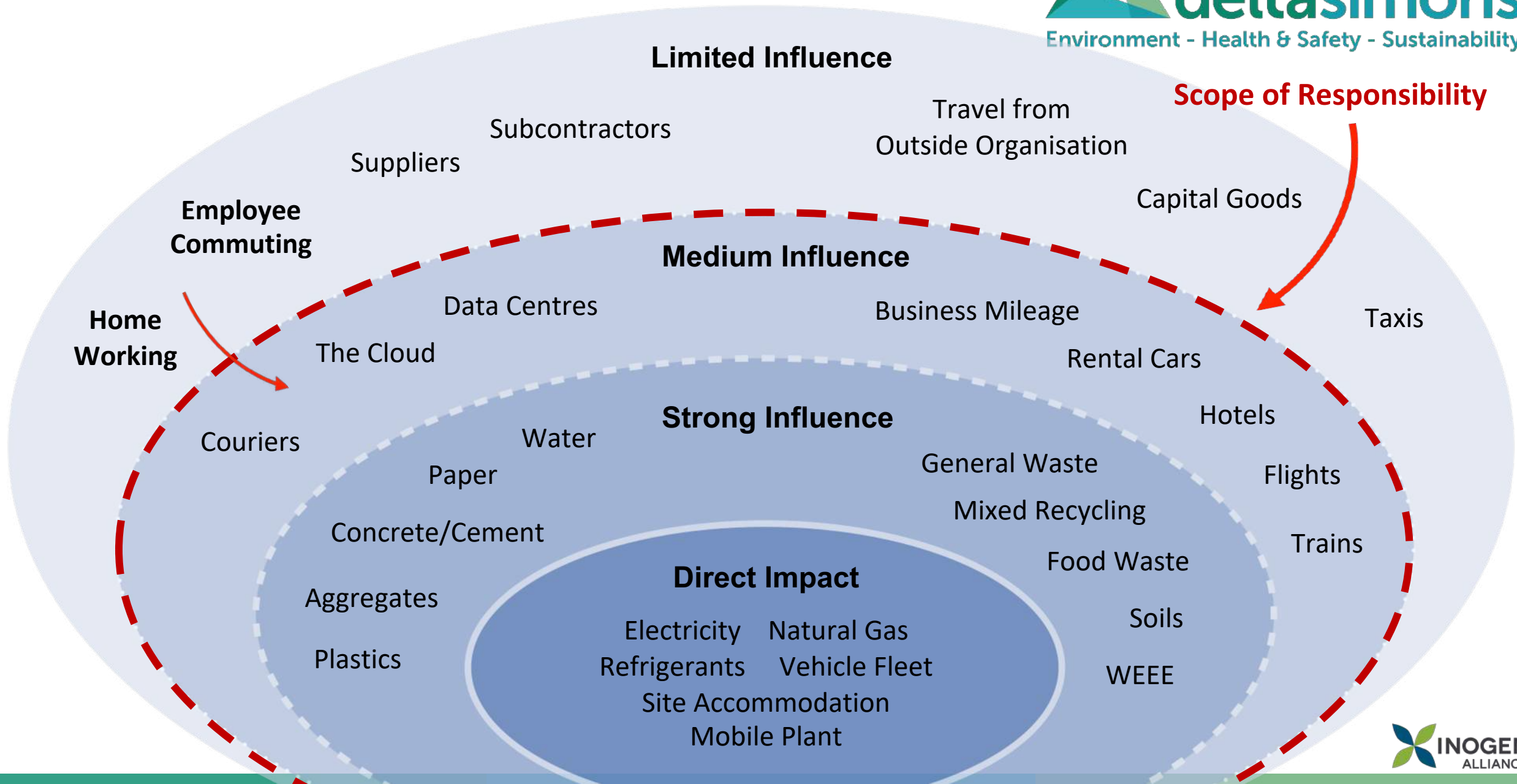
3. COMPENSATE

4. ENHANCE

Scoping



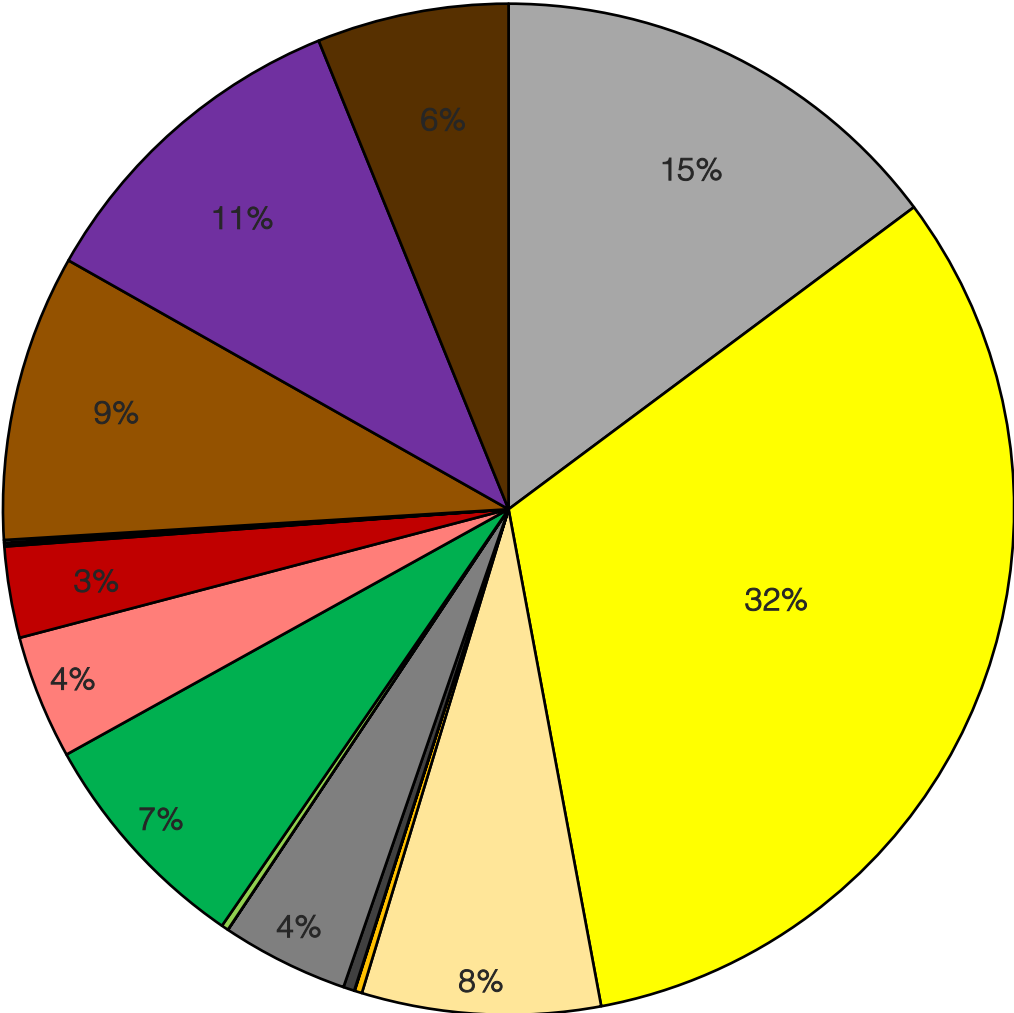
Scoping



Carbon Conversion Factors

- DBEI & Defra Conversion Factors
 - <https://www.gov.uk/government/collections/government-conversion-factors-for-company-reporting>
- ICE Database of Materials
 - <https://circularecology.com/embodied-carbon-footprint-database.html>
- Product Manufacturers
- Environmental Product Declarations (EPDs)
- Suppliers

Carbon Footprint



- Data Centres
- Electricity
- Transmission & Distribution
- Gas
- Water
- CO2
- Refrigerants
- Company Vehicles
- Personal Vehicles
- Coach Travel
- Taxis
- Trains
- Flights
- Hotels
- Couriers
- Food & Drink Deliveries
- Paper
- Stationary
- Laptops
- Waste & Recycling

FOUR POINT PROCESS

1. **CALCULATE**

2. **REDUCE**

3. **COMPENSATE**

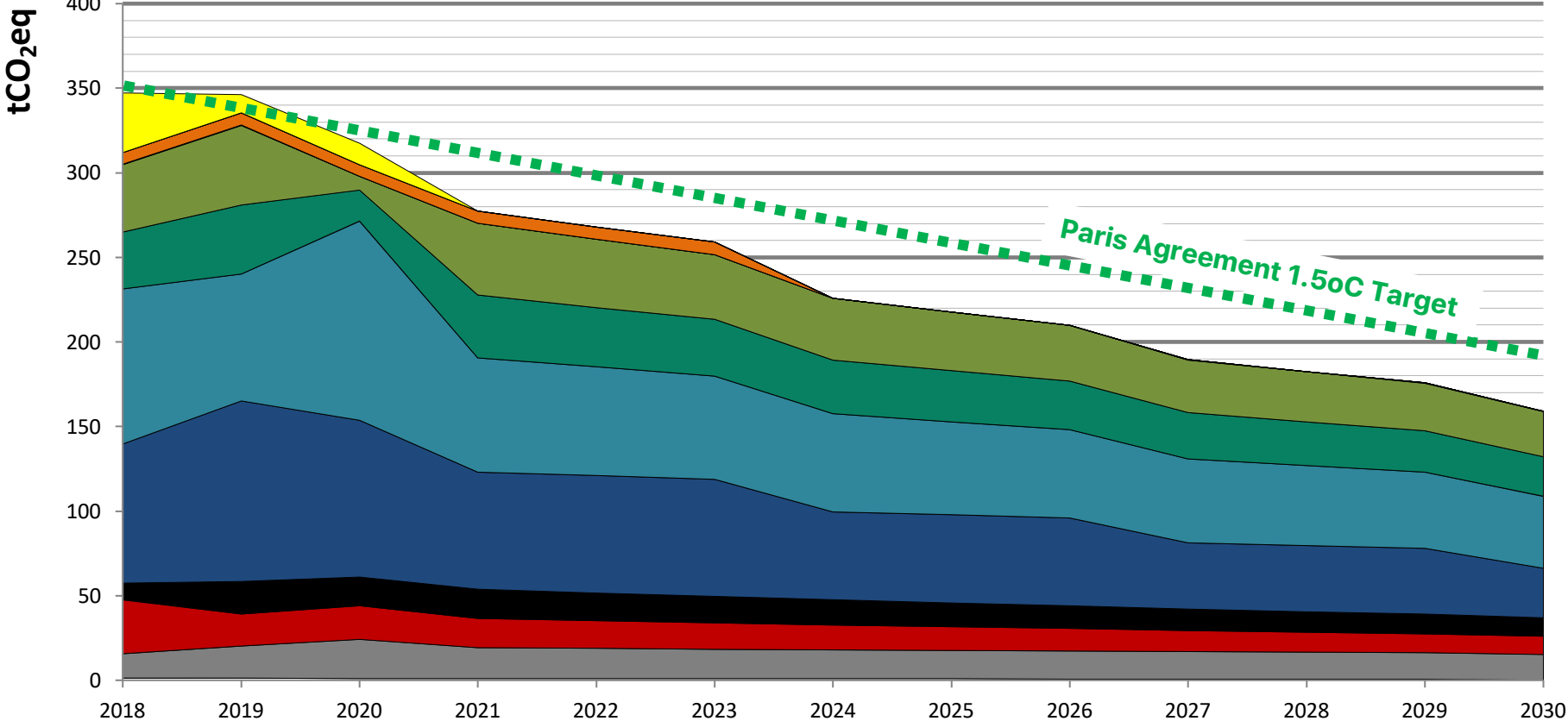
4. **ENHANCE**

Decarbonisation

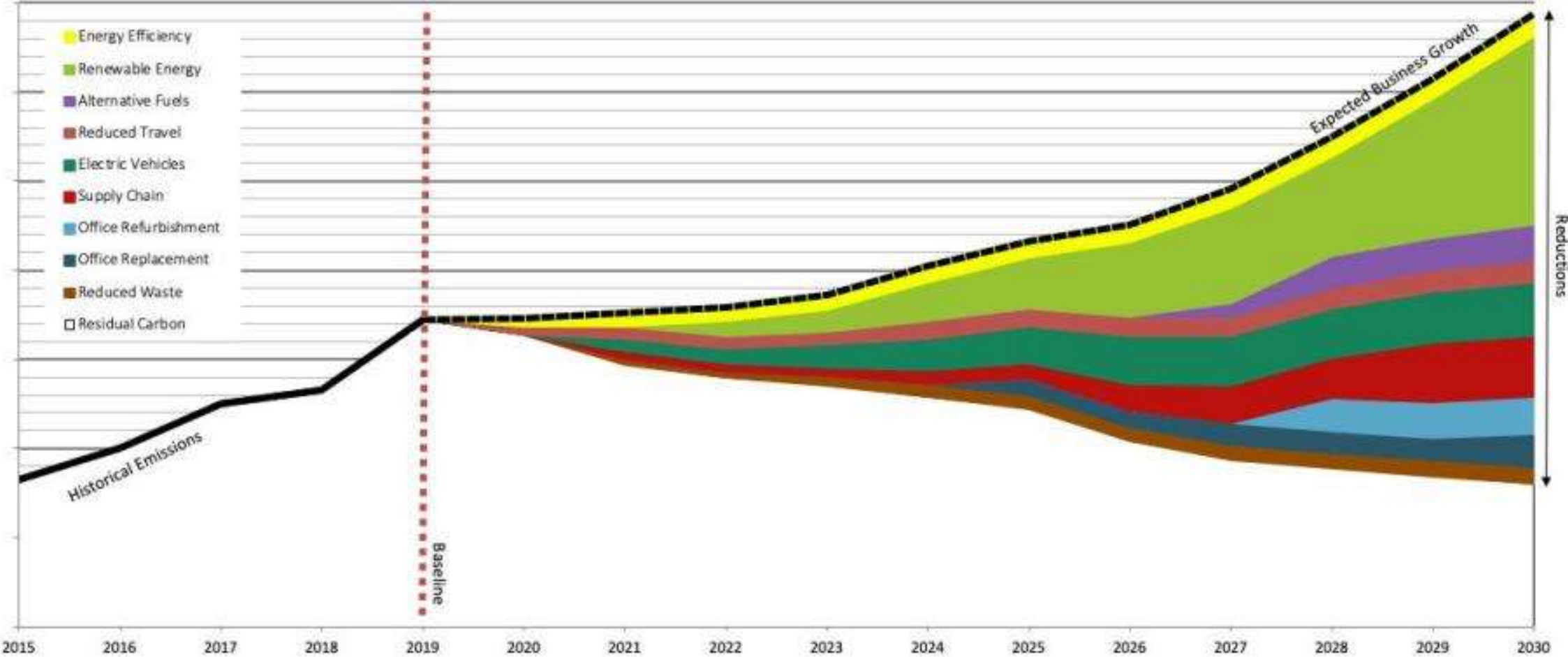


Net-Zero Roadmap

- Electricity Consumption
- Electric Vehicle
- Gas Consumption
- Water Consumption
- Public Transport
- Personal Vehicles
- Hire Vehicles
- Company Vehicles
- Drilling Rigs
- Hotel Accommodation
- Installation Materials
- Paper Consumption
- Office Waste
- Site Waste



Net-Zero Roadmap



FOUR POINT PROCESS

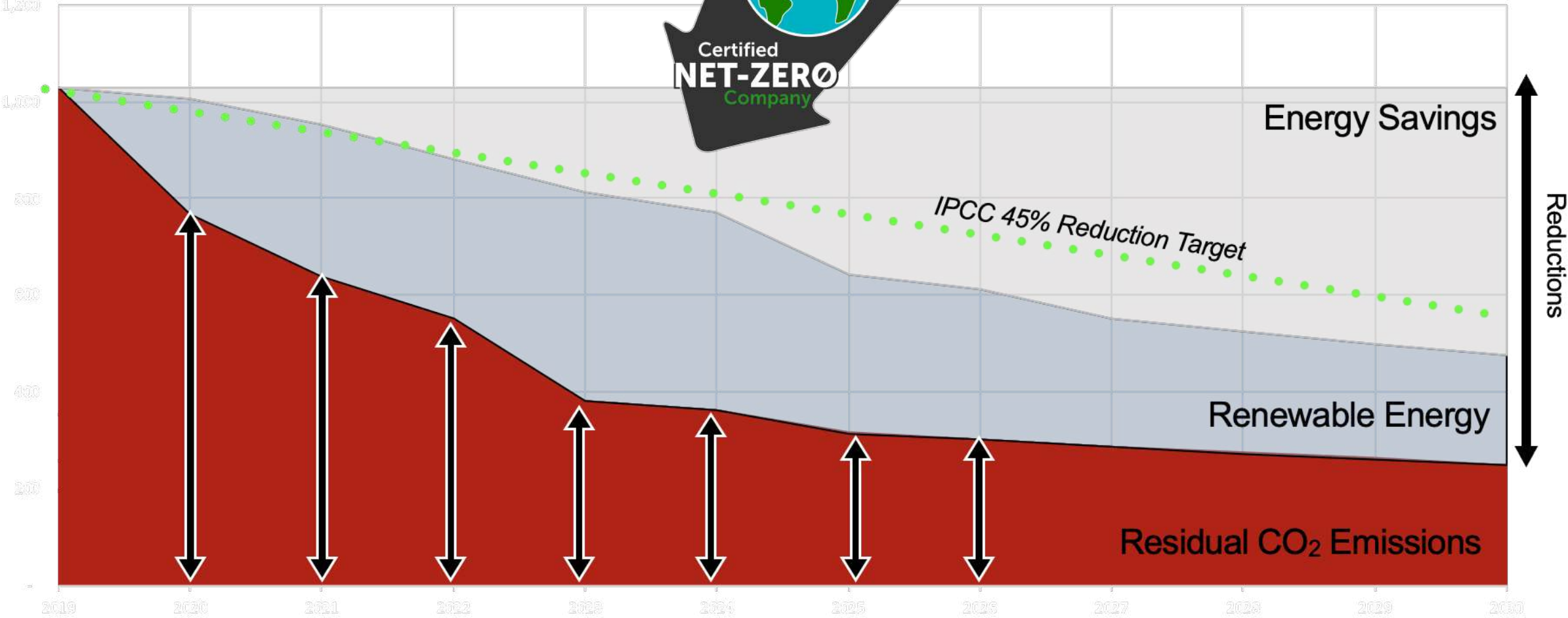
1. CALCULATE

2. REDUCE

3. COMPENSATE

4. ENHANCE

Net-Zero



FOUR POINT PROCESS

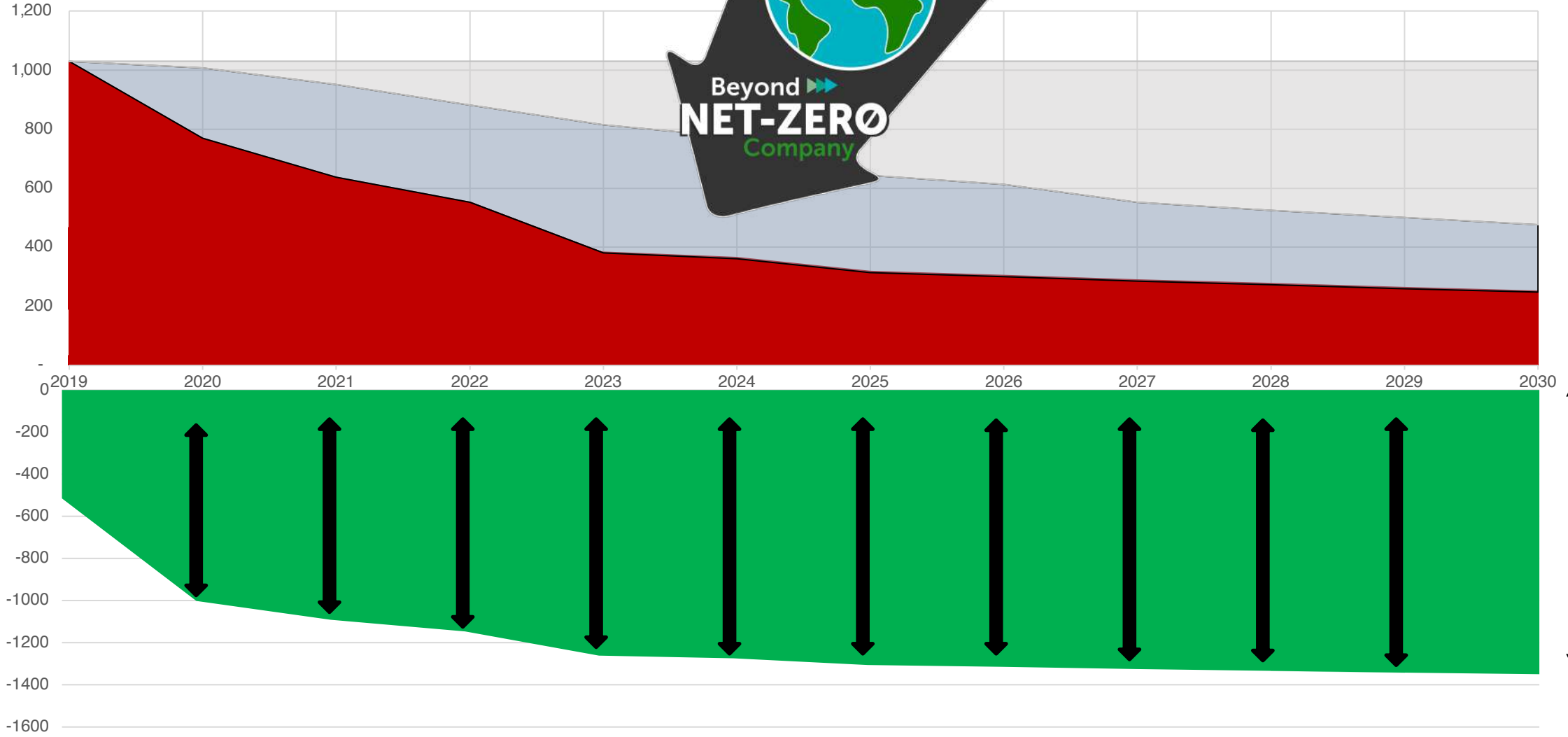
1. CALCULATE

2. REDUCE

3. COMPENSATE

4. ENHANCE

'Beyond Net-Zero'



Additional Trees

Carbon Offsetting



**SUSTAINABLE
DEVELOPMENT
GOALS**

1 NO POVERTY 	2 ZERO HUNGER 	3 GOOD HEALTH AND WELL-BEING 	4 QUALITY EDUCATION 	5 GENDER EQUALITY 	6 CLEAN WATER AND SANITATION 	7 AFFORDABLE AND CLEAN ENERGY 	8 DECENT WORK AND ECONOMIC GROWTH 	9 INDUSTRY, INNOVATION AND INFRASTRUCTURE 
10 REDUCED INEQUALITIES 	11 SUSTAINABLE CITIES AND COMMUNITIES 	12 RESPONSIBLE CONSUMPTION AND PRODUCTION 	13 CLIMATE ACTION 	14 LIFE BELOW WATER 	15 LIFE ON LAND 	16 PEACE, JUSTICE AND STRONG INSTITUTIONS 	17 PARTNERSHIPS FOR THE GOALS 	

Carbon Offsetting



3 GOOD HEALTH AND WELL-BEING

5 GENDER EQUALITY

7 AFFORDABLE AND CLEAN ENERGY

15 LIFE ON LAND



Carbon Offsetting



**SUSTAINABLE
DEVELOPMENT
GOALS**

