COLD CHAIN CONNECT

Webinars for Cold Chain Professionals

SHAPING AND ACHIEVING YOUR SUSTAINABILITY GOALS - RESOURCES TO HELP YOU ON YOUR JOURNEY

STARTING AT 12:30PM

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Sustainability goals

Aim: a look at progress against the SDGs and approaches to fulfilling them..

BSI – Inspiring Trust for a More Resilient World

By Royal Charter

Experienced – Founded 1901

The world's first National Standards Body

A founding member of ISO and CEN (Europe)

A Royal Charter Mandate – focused on creating best practice

Thought leaders

Shaped over 80,000 best practice standards and guidelines.

Global best practice partner

~5,000 employees and 12,000 experts in 183 countries

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Number of Earths and its resources needed if the world's population lived like the following countries
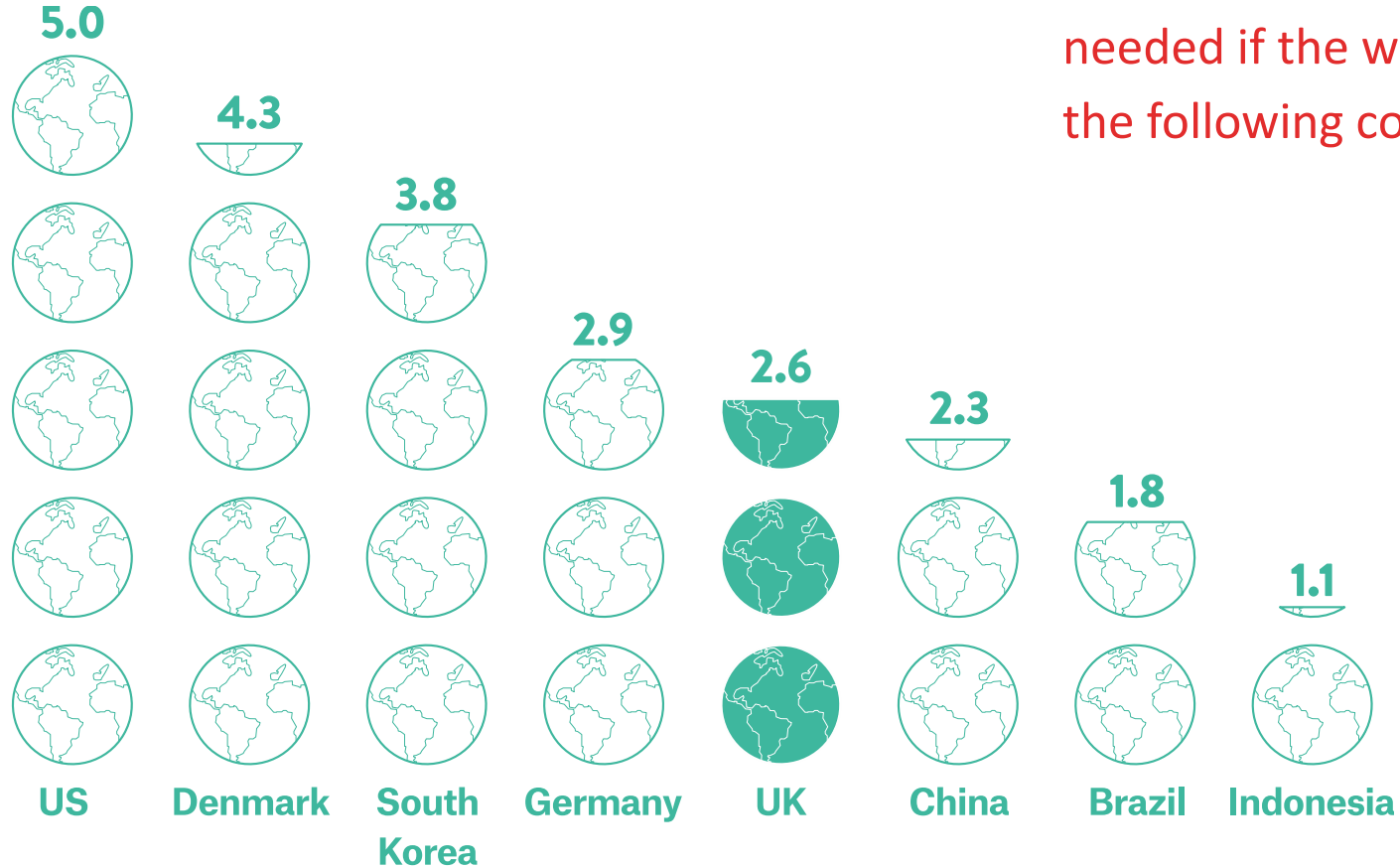
- Carbon emissions from fossil fuels will hit record levels in 2022 (COP 27 study)

- Decline needed to cut emissions by half by 2030 to restrict global heating to 1.5C - no sign of this !

5.0	4.3	3.8	2.9	2.6	2.3	1.8	1.1
US	Denmark	South Korea	Germany	UK	China	Brazil	Indonesia

Selected countries. Calculated based on 2021 Earth Overshoot Days/2017 data
Source: Global Footprint Network

statista

Background..

- Increasing scrutiny throughout the food and pharma value chain brings with it the need for commitment, engagement, transparency and disclosure.

- An understanding of emerging issues enables a sustainability context to be formed and a business case to be developed in addressing challenges and turning these into business benefits.

- Whether it is accounting for, managing energy consumption through facilities and transport, quantifying and disclosing GHG emissions, or measuring and managing **ethical risks** in the supply chain

- SDGs are presented as a set of goals and targets that any organisation can take up and commit to; society as a whole needs to achieve them if it is turn the corner : driver or retrofit ?

Emerging trends & drivers

Plus trends that continue to shape

- Legislative landscape
- Environmental impact
- Climate change and
- Race to net zero
- Risk management
- Transparency
- Resources / resourcing
- International agenda
- Technology (solutions)
- Corporate liability
- Governance
- Consumption

(all sectors)

and thro' the value chain lens…

From BSI assessment of influence of drivers on industries (food)

The SDGs – a closer look

ISO contributes to all of the SDGs; see here the # of ISO standards directly applicable to each Goal

Target **9.4:** upgrade infrastructure and retrofit industries to make them sustainable, with increased resource-use efficiency and greater adoption of clean and environmentally sound technologies and industrial processes, with all countries taking action in accordance with their respective capabilities

Target **12.3:** By 2030, halve per capita global food waste at the retail and consumer levels and reduce food losses along production and supply chains, including post-harvest losses

Target **13.2:** Integrate climate change measures into national policies, strategies and plan

For each of the 17 UN SDGs BSI has solutions
Over 2,500 ISO Standards relate to the SDGs
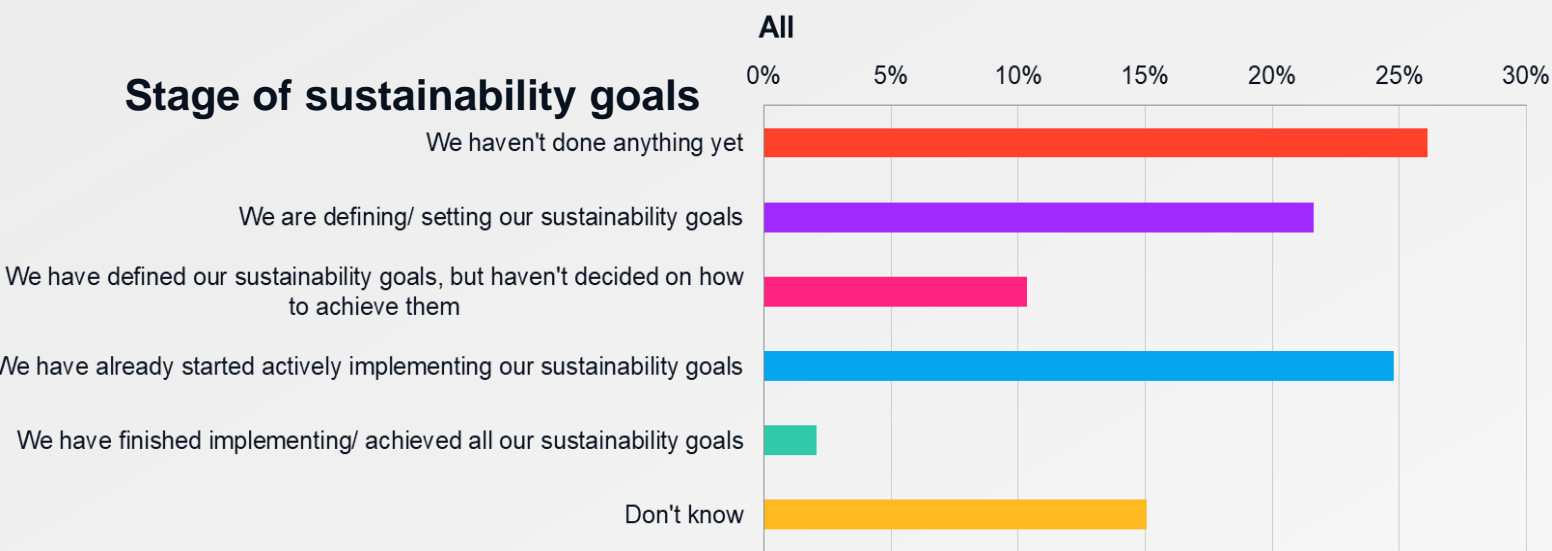169 individual targets defined – applicable across sectors/organisations/communities etc

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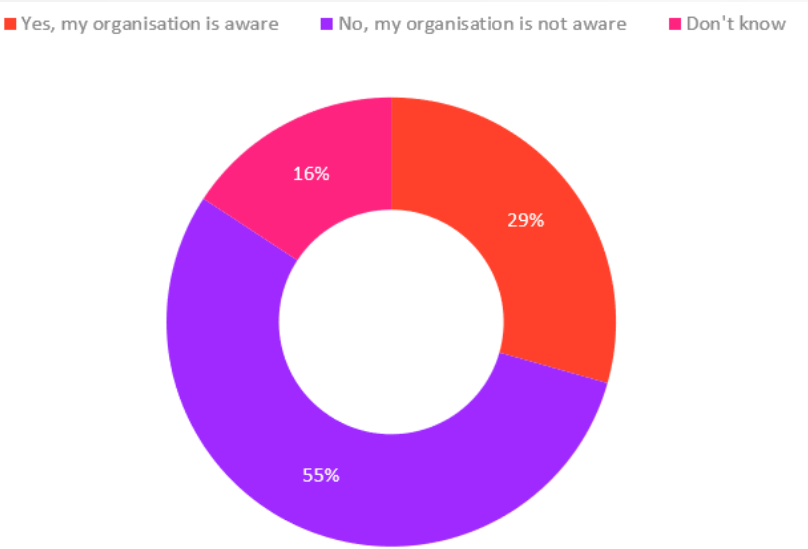# POLL QUESTION 1 – CHALLENGES

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Sustainability Research

Conducted with YouGov March 2022

- Over 1,000 respondents
- Industry wide across all sectors (private) and all sizes of organizations
- Job title – Managerial level or above
- Data can be sliced by industry
- Results show the majority of organizations haven't started their sustainability journey

Stage of sustainability goals

All

Bar chart — Stage of sustainability goals (axis 0% to 30%):
- We haven't done anything yet
- We are defining/ setting our sustainability goals
- We have defined our sustainability goals, but haven't decided on how to achieve them
- We have already started actively implementing our sustainability goals
- We have finished implementing/ achieved all our sustainability goals
- Don't know

Awareness of UN SDGs

Legend:
- Yes, my organisation is aware
- No, my organisation is not aware
- Don't know

Donut chart values: 29%, 55%, 16%

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Some key findings - Conducted with YouGov March 2022

Awareness

- Large organizations are much more aware of UN SDGs (46% aware vs 18% of SMEs), note 249 employees is the cut off
- Only 15% of organizations less than 50 employees are aware of UN SDGs

Priorities

- The target of Net Zero is perceived as much more of a priority for larger organizations (51% have it as a priority theme) than SMEs (33%)
- Human Wellbeing is perceived as the most important sustainability theme with 49% of organizations saying it is a priority.

Progress

- 26% of organizations haven't done anything yet, regarding their sustainability goals (38% of SMEs vs 8% of Large organizations).
- 25% state they are actively implementing the goals
- Only 2% of organizations believe they have finished implementing or achieving their sustainability goals

Note: Additional key findings available, split by industry, company turnover, gender and age

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POLL QUESTION 2 – SUSTAINABILITY JOURNEY

Where do you start

https://sdgs.un.org/goals
https://sdgs.un.org/topics

https://www.bsigroup.com/en-GB/topics/sustainable-resilience/

Links to:
- Help to achieve your sustainability goals
- Standards, knowledge and best practice
- BSI sustainability legislation forum
- BSI sustainability portfolio
- Online training and qualifications
- Certify, verify, audit and test
- Become more energy efficient
- Carbon reduction hub
- Reduce your other environmental impacts
- Webinar series – all topics

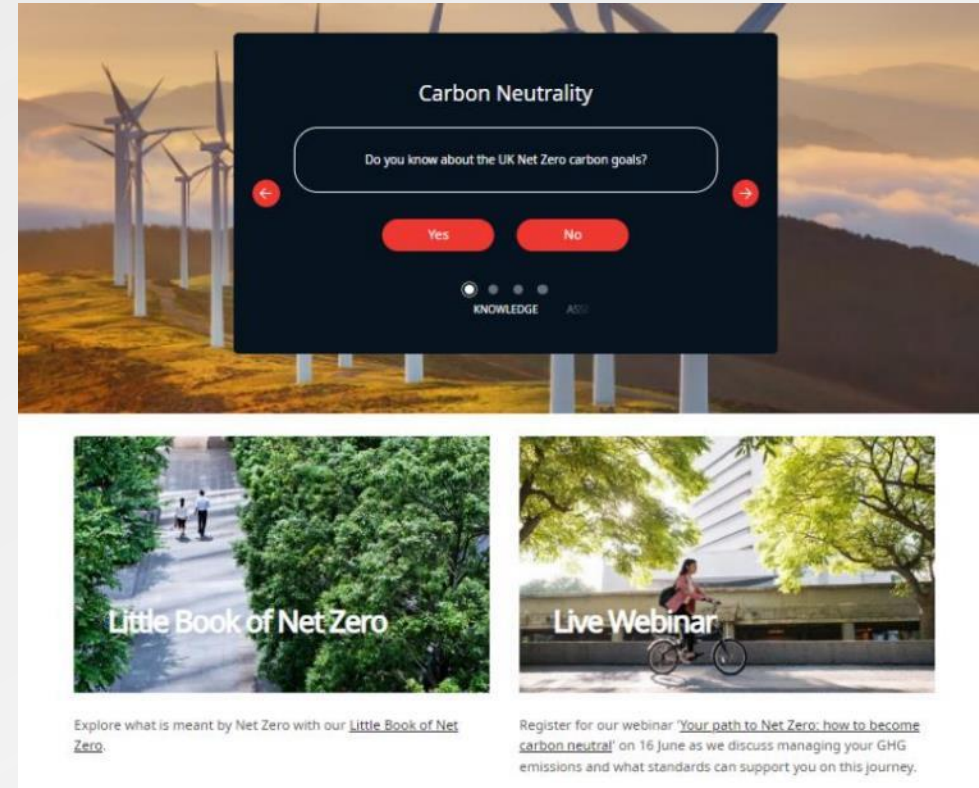**bsi.**

BSI's Sustainability Evaluator
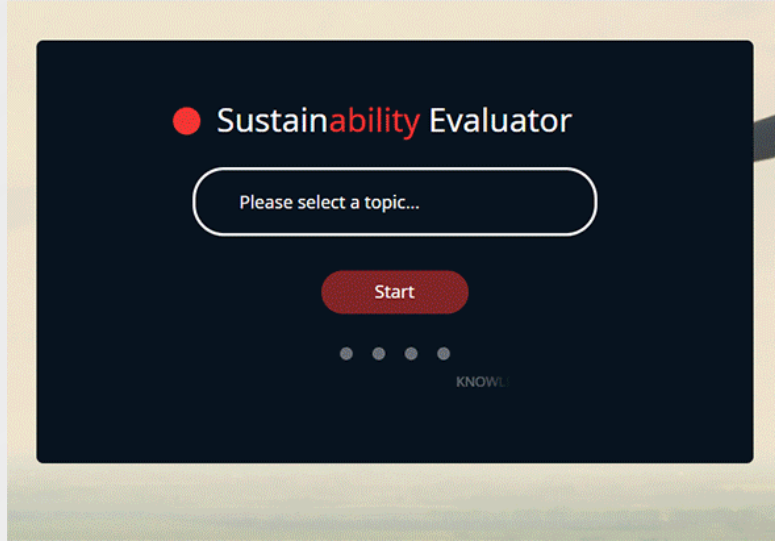
First Screen
- Uses drop down to select topic (so we can add topics as we build them)

Topics (aligned to products)
- Carbon Neutrality
- Human Wellbeing
- Waste Management
- Water Management
- Supply Chain
- Sustainable Infrastructure
- Sustainable Events

Subsequent Screens – topic areas questions and answers
- Scrolls through a series of four questions
- When 'yes' is clicked it moves to next question
- When 'no' is clicked it presents bottom block with information
- At the end of the question series it presents a web to lead form

https://www.bsigroup.com/en-GB/topics/sustainable-resilience/sustainability-evaluator/evaluator-tool/

Typical Materiality matrix - major food producer
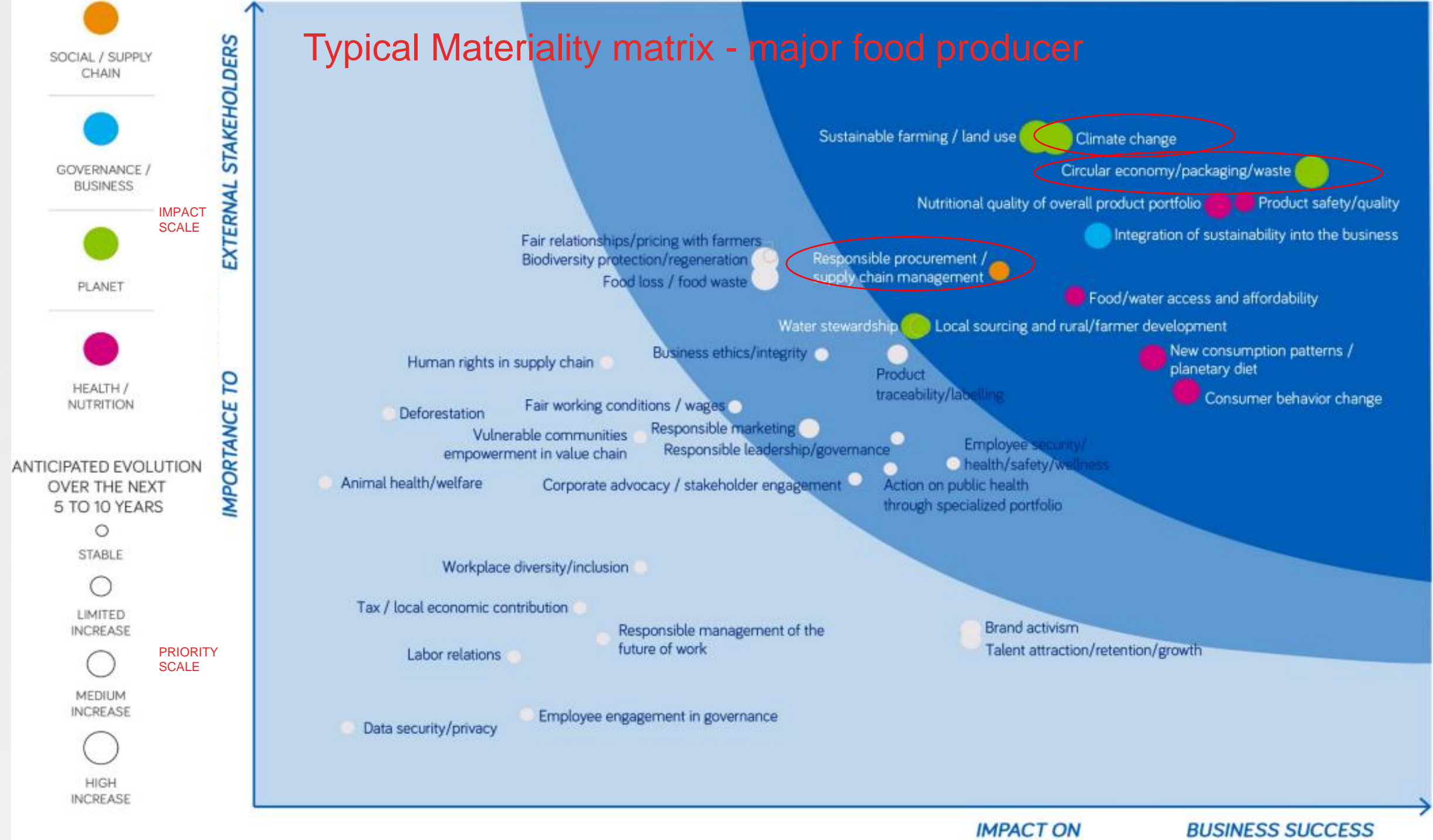
POLL QUESTION 3 – GHG

Example: Carbon/Climate Maturity

- Climate Standards Development & Stakeholder Dialogue
- Carbon Reduction Management Planning / Setting Science-based Targets
- Scope 3 Supplier Engagement
- Carbon Neutral Certification (PAS 2060)
- Climate Risk Adaptation / TCFD reporting
- Scope 3 GHG Management (in house)
- Life Cycle Assessments / Sustainable Product / Circular Economy
- ESG Reporting
- Adjacent Aspects: Water, Sustainable Infrastructure, Sustainable Site Remediation
- ISO 50001 / 14001 Certification
- Materiality Assessments
- GHG Certification/Validation
- Scope 1 & 2 GHG Accounting & Reporting

More Mature

Less Mature

in approach

Client Carbon Journey
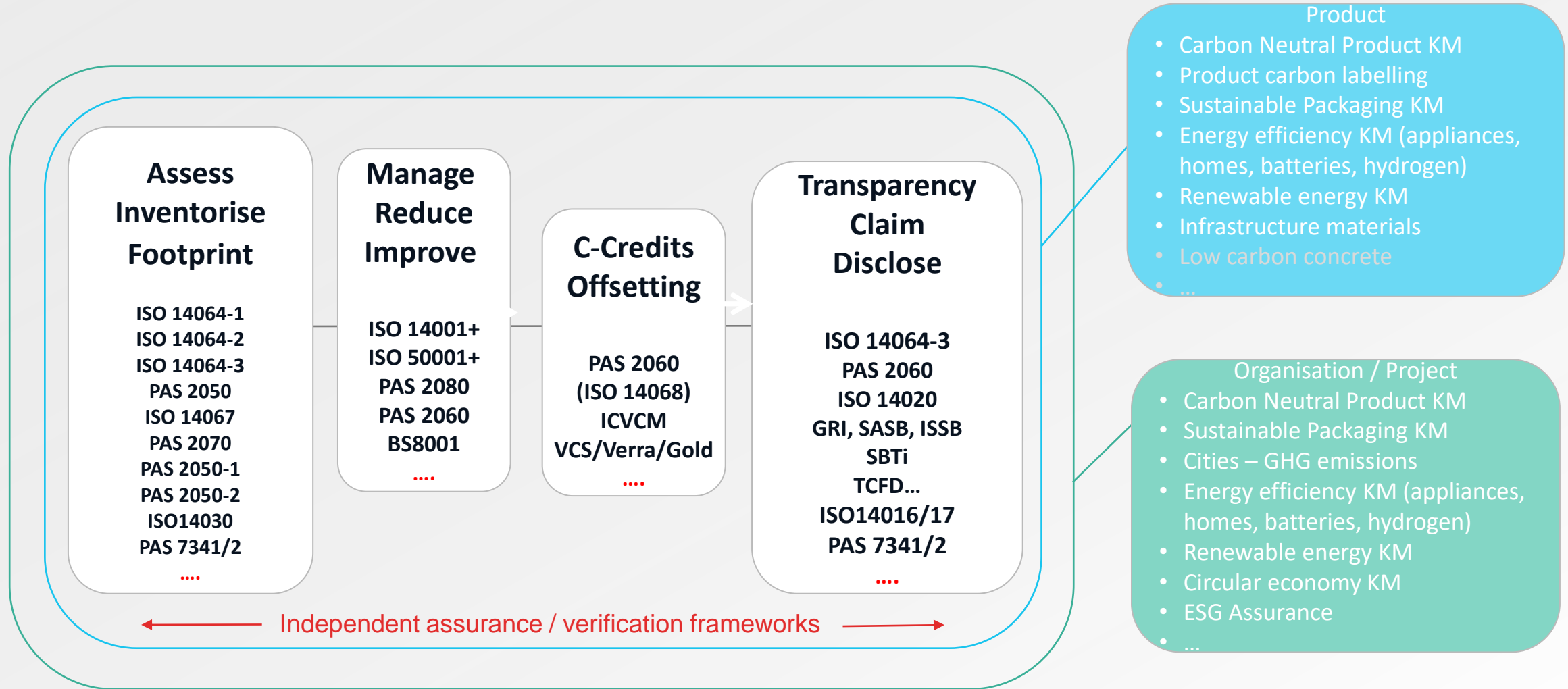
Where do you start - carbon

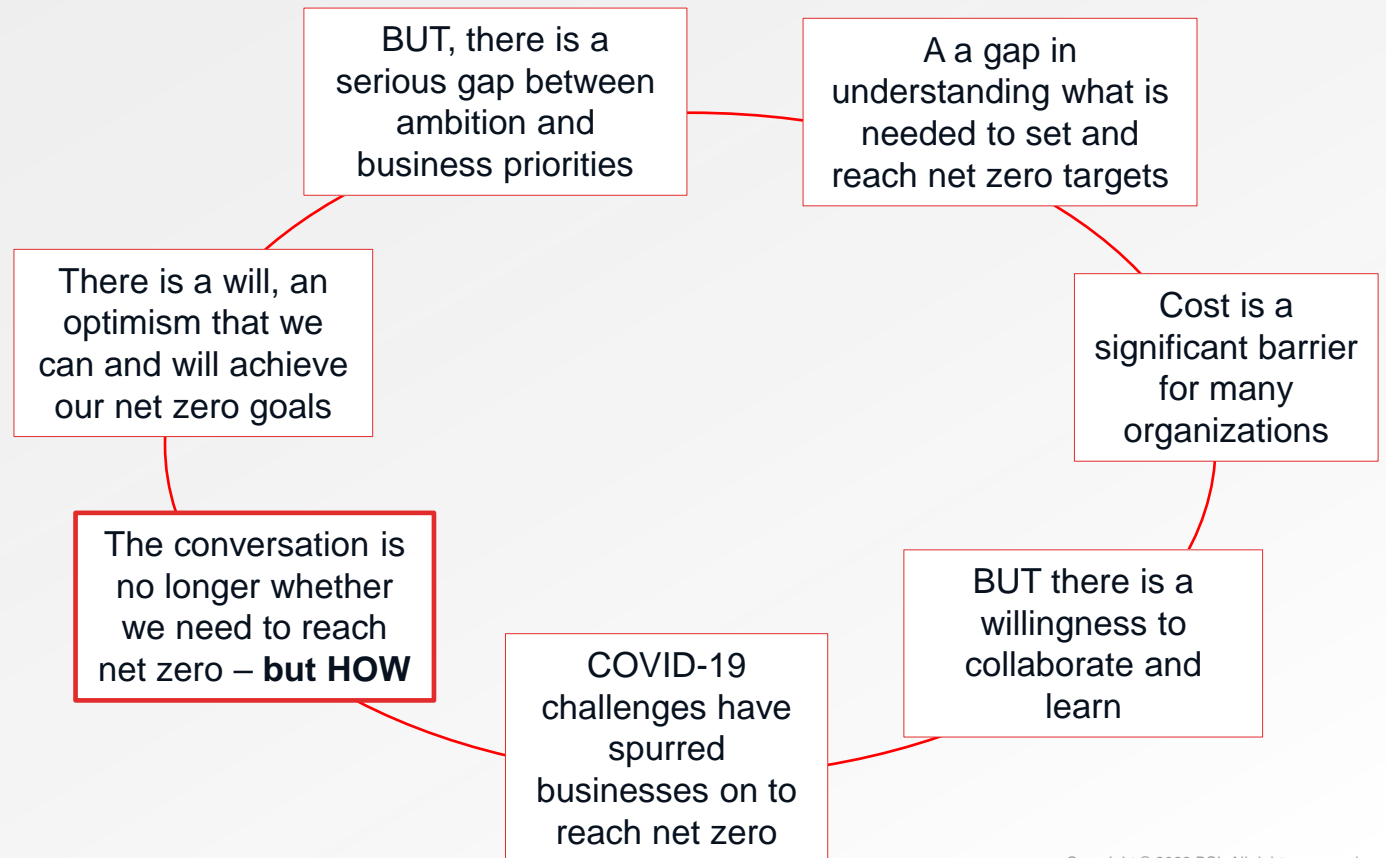https://www.bsigroup.com/en-GB/topics/sustainable-resilience/
https://www.bsigroup.com/en-GB/topics/sustainable-resilience/carbon-reduction-hub/

Links to:

- Commit and plan to reduce carbon
- What's the size of your carbon footprint?
- Offsetting your carbon emissions
- Achieving and verifying carbon neutrality
- Certify, verify, audit and test
- Net zero barometer report
- Adaptation to climate change
- Little Book of net Zero / videos
- Webinar series – all topics

There is a will, an optimism that we can and will achieve our net zero goals

BUT, there is a serious gap between ambition and business priorities

A a gap in understanding what is needed to set and reach net zero targets

Cost is a significant barrier for many organizations

The conversation is no longer whether we need to reach net zero – **but HOW**

COVID-19 challenges have spurred businesses on to reach net zero

BUT there is a willingness to collaborate and learn

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POLL QUESTION 4

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● THANK YOU

QUESTIONS ?

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Client Carbon Journey

Assess
Inventorise
Footprint

ISO 14064-1
ISO 14064-2
ISO 14064-3
PAS 2050
ISO 14067
PAS 2070
PAS 2050-1
PAS 2050-2
ISO14030
PAS 7341/2
….

Manage
Reduce
Improve

ISO 14001+
ISO 50001+
PAS 2080
PAS 2060
BS8001
….

C-Credits
Offsetting

PAS 2060
(ISO 14068)
ICVCM
VCS/Verra/Gold
….

Transparency
Claim
Disclose

ISO 14064-3
PAS 2060
ISO 14020
GRI, SASB, ISSB
SBTi
TCFD…
ISO14016/17
PAS 7341/2
….

← **Independent assurance / verification frameworks** →

Product
- Carbon Neutral Product KM
- Product carbon labelling
- Sustainable Packaging KM
- Energy efficiency KM (appliances, homes, batteries, hydrogen)
- Renewable energy KM
- Infrastructure materials
- Low carbon concrete
- …

Organisation / Project
- Carbon Neutral Product KM
- Sustainable Packaging KM
- Cities – GHG emissions
- Energy efficiency KM (appliances, homes, batteries, hydrogen)
- Renewable energy KM
- Circular economy KM
- ESG Assurance
- …

Finance (Org & project)
- Climate bonds (CBI)
- Green bond / loan
- Sustainability bond / loan
- …

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What came out of COP 27?

We must close the emissions gap before climate catastrophe closes in on us all.
— UN Secretary-General António Guterres

UNEP's Emissions Gap Report 2022 estimates that to get on a least-cost pathway to limiting global warming to 2°C and 1.5°C, emissions must fall by 30% and by 45%, respectively

countries' nationally determined contributions (NDCs), updated since the 2021 Glasgow Climate Change Conference (UNFCCC COP 26), make a "negligible" difference to predicted 2030 emissions and that progress since COP 26 has been "woefully inadequate

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What came out of COP 27:

- defined a way forward on a decades-long conversation on funding for addressing loss and damage for vulnerable countries.

- governments agreeing on the way to move forward on the Global Goal on Adaptation, which will conclude at COP28 and inform the first **Global Stocktake**, improving resilience amongst the most vulnerable and a mechanism to raise ambition under the Paris Agreement

- the launch of a new five-year work program at COP27 to promote climate technology solutions in developing countries

- a mitigation work programme was launched to urgently scale up ambition and implementation, under which Governments are requested to revisit and strengthen the 2030 targets in their national climate plans by the end of 2023, and accelerate efforts to phasedown unabated coal power and phase-out inefficient fossil fuel subsidies.

- <u>announced a USD 3.1 billion plan</u> to ensure everyone on the planet is protected by early warning systems within the next five years

- launch of the Forest and Climate Leaders' Partnership, which aims to unite action by governments, businesses and community leaders to halt forest loss and land degradation by 2030

- global transformation to a low-carbon economy is expected to require investments of at least USD 4-6 trillion a year – this will require a swift and comprehensive transformation of the financial system

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UPCOMING EVENTS & WEBINARS

www.coldchainfederation.org.uk/connect

COLD CHAIN CONNECT

HOW TO TURN YOUR UNUSED ROOFSPACE INTO A REVENUE-GENERATING ASSET USING LIGHTWEIGHT SOLAR

29th NOVEMBER 12:30pm

SOLIVUS

PREVIOUS WEBINARS

https://www.coldchainfederation.org.uk/connect/previous-webinars/