Have we lost the plot?



Route map to net zero

Securing a Green Recovery on a Path to Net Zero

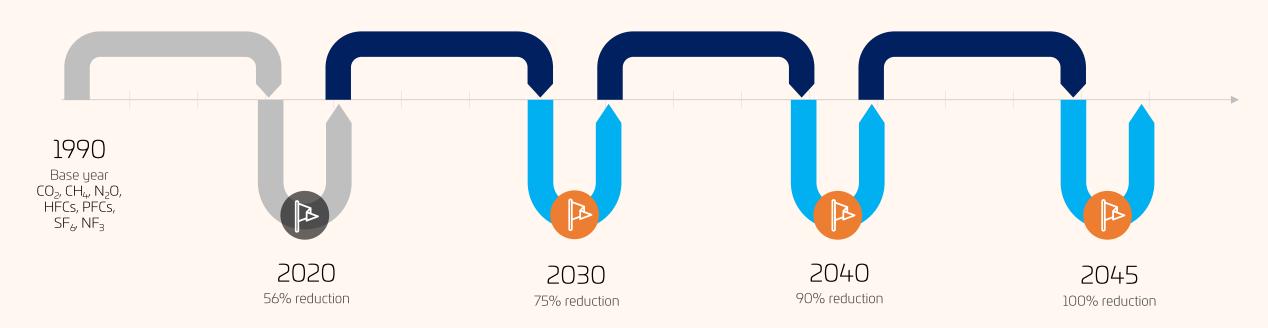
Have we lost the plot?

What is the plot?



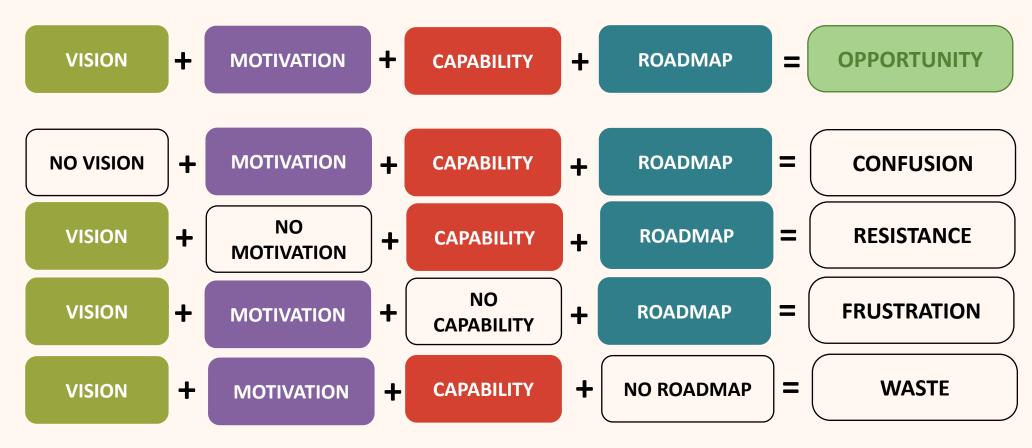
Net Zero by 2045 (2050 in the UK)

Climate Change (Emissions Reduction Targets) (Scotland) Act 2019





Net Zero - An opportunity





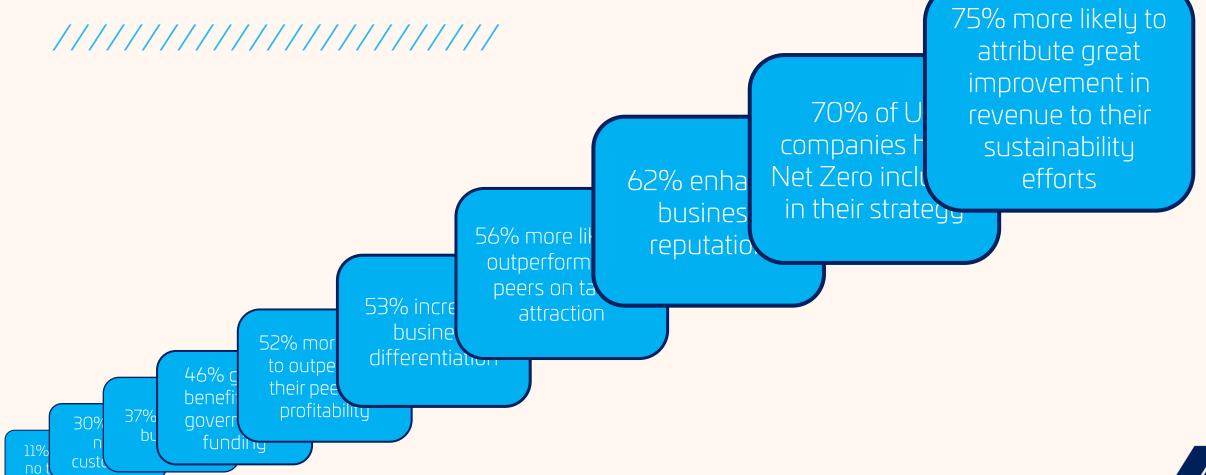
Have we lost the plot?

What are the motivators?





Motivations and Benefits



Have we lost the plot?

How no?





Barriers

Insufficient Lack of funding (52%) emissions data (39%)Lack of skills (29%)**Emissions** Ineffective 盘 \$B emissions (G) management management challenges Lack of time Lack of (29%)measurement Lack of policies tools (52%) (52%)



Who can help?



Your community

Net Zero stakeholders

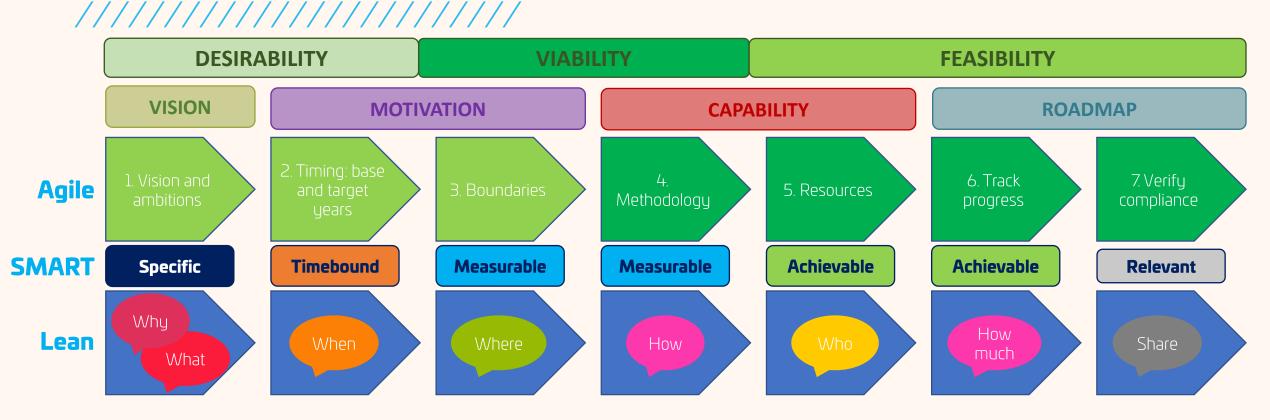








A SMART and agile roadmap





Lack of policies (52%)





Monthly newsletter

SMEs ar in secur reduce e When as their kno series of rated th

64%

about fu

climate

22%

Zeroing In: Zeroing In:

Leaving a Positive Legacı The Long Time Project

The Long Time Project is focused on findir new ways to help us care about the long-t future, so that we take responsibility for it i

It aims to galvanise public imagination an collective action to help us all be good ancestors.

Overview of Environ ESRS (under CS

The path to a sustainab

Local: UK Government

Threat to achieving Net

The Government has allocated E4.2 billion of funding up to 2025. But it is difficult for

Zero targets by 2050

businesses to know what funding is

The government itself has made few

public sector funding commitments in its delivery plan beyond 2025, providing little comfort for investors in the medium to

available and from where.

Zeroing In: 1

Trend: Factual Healing Generative AI - truth

friend or foe? Launched in September 2023. ChatNetZernis an Al-nowered chatho designed by a global consortium of scientists to answer dimate-related

Climate is another high-interest subjefor disinformation due to its emotive nature. As extreme weather events intensify, so too does misinformation.

40 37 24 19 12 9 4 Consultant supporting with GHG reporting ■ Non-profit organization/NGO/civil society Provider of data/product related to GHG report Academia/research
Government institution GHG reporting program or initiative ■ Electric grid operator

The path to a sustainable

Global: Circularitu

2023

Circularity Gap Report

Although much of their infrastructure is already

built up, Shift countries still contribute

howing to planetary boundary overshoo

Grow countries make a large contribution

large further production materials to food the

the overshoot of planetary boundaries

demand of higher-income (Shift) coun

Build countries make a minimal contribut to the overshoot of planetary boundaire

CCR 2023 (circularity covoid)

Zeroing In: 1

Zeroing In: T

Global: business value

Beyond checking the box Spendingon sustainability reporting exceech spendingon sustainability innovation by 43%.

But organizations that embed sustainabil throughout their operations show better financial outcomes: 52% more bloky to outperform their peers on profitability, wif a 16% higher rate of revenue growth. 53% of organizations that embed sustainability say that besiness benefits essential for justifying sustainability

Covernance Documents HCVCM

Global: Offsetting

Independent offset

vetting has arrived

The Integrity Coursel for the Voluntary Carbon Market (EVEM) and the Voluntary Carbon Markets Intilate (VEM) are effect direction and much necessit independent assurance in the voluntary offset market. ECM has delivered the Core Carbon Directions and commenced (CD).

never has convey one core variors. Principles and convey profing CCP. Assessment Framework, setting forth standards for operanens, emissions impa-and sertainable development to help bruge identify high-integrity credit quality.

GHG PROT SUMMAR' CHC Protocol inv Standard, the Sci The Draft Sum feedback from th Adjustme
Adjustme
Accountin
Phasing o
Clarificatio
Clarify the

Zeroing In: 1

Zeroing In:

Global: The rise of climate

Evolving landscape

As at 31 December 2022, 2,180 cases were field in 45 jurish tions, including special procedures of the United Nations and arbitration informatic. The last few quaris have witnessed an exponential rise in climatic related integration. logal cases can be protracted, financially cestig and tricion reputational clamage. As climate action intensifies and clobal

climate-ation intenders and obeau consumes, focus more on sustainability, climate-related literation is forecast to rise even further. Global Climate Literation Report; 2023 Status Restow LUNEP - UN Environment



Zeroing In: The Path to a Greener Future

NET ZERO BY 2045

Developing a SMART roadmap to Net Zero

We are exitled to offer you a valuable opportunity to learn and explore the topic of Net Zero via our orientation course-himoduccion to developing a SMART madmap to Net Zero and our comprehensive course Unlocking Success in I Developing a SMART madmap, both offered at a refuzed price for our members.

Errolling in the main course will give you access to an exclusive offer that includes Bonus Resources, <u>Paysonalised</u> Support Certification and Community Access.

Additionally, as a valued member, you will also receive free access to our **Net Zero Library**, a collection of nearly 500 downloadable documents regularly updated to keep you informed. Don't forget to request your coupons at <u>netzero ass</u> The main course promises to equip you with in-depth knowledge and practical skills in Net Zero and sustainability, empowering y

Enroll now to take advantage of these exclusive benefits and unlook a world of knowledge and growth. We look forward to welcoming you to the main course and supporting you every step of the way.

A SMART roadmap to Net Zero (scoleng.org)

Global: Guide to engagi stakeholders in the net zero transition

Insights that can help on proposal briefing

As you progress your greatly lighting and zero tourney, you may need to consider investigation to prove costilo concerna concessión avaets. But are your stakeholders

Contrica has prepared a quide that can help you understand the likely interests and concerns of the stakeholders who are commanly involved in energy investment decisions.

Travel support for UK businesses to attend Europe

To be obtable for support, upon need to be a for-point UK-based R&D performing SME acrossing to the EL debritton. If successful in your application for based and accommodation costs, upon will receive pro-active support from invocate UK to help your upotation between the all tracking.

Up to £700 is available to help cover travel and subsistence costs needed to attend a list of events fewerles arrest for LRC businesses to ottored for

support national solar

loading clean power developer, www.Solar Energy Solutions (SENS UK), aiming to propel Scotland's journey towards net zono. This rollaboration promises to inflorit solar faints.

cottish Farmors Unite to Support National Sola



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Data - webinars

https://www.scottishengineering.org.uk/net-zero-skills/

- **Awareness series** (1 and 2)
- □ Chapter series (3 to 6)
- **Net Zero series** (7 to 9)
- ☐ Feedback series (10 to 16)
- **Support series** (17 to 20)



Part 3

How now?

 What - Action plan > Why - Green recovers > Who - Employees When – Skills needed > How - On-the job / Social / I > Where - Academia, In-house > How much - Funding

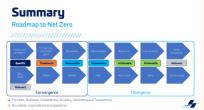
What - Skills action plan



Roadmap





















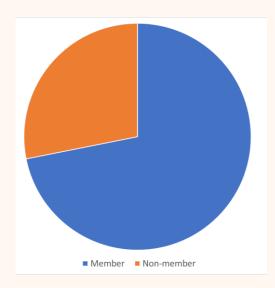


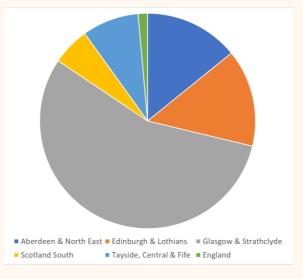


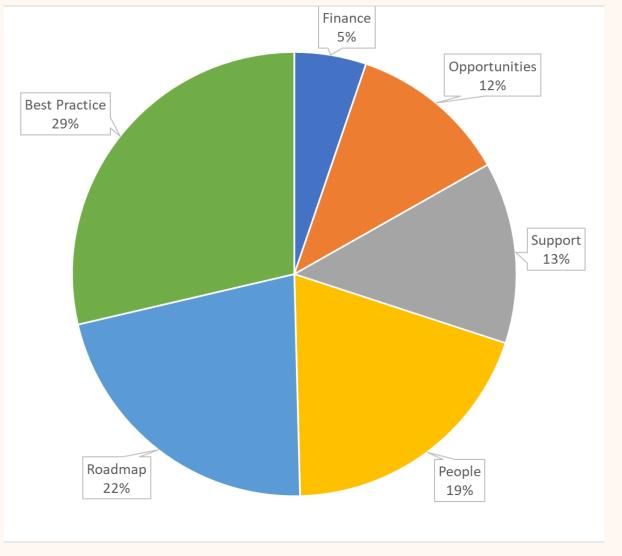




Time - One-to-One, Pilot











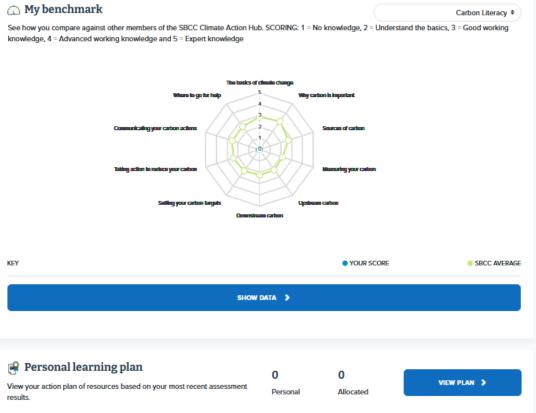


Online training courses

https://netzero.scoteng.org/







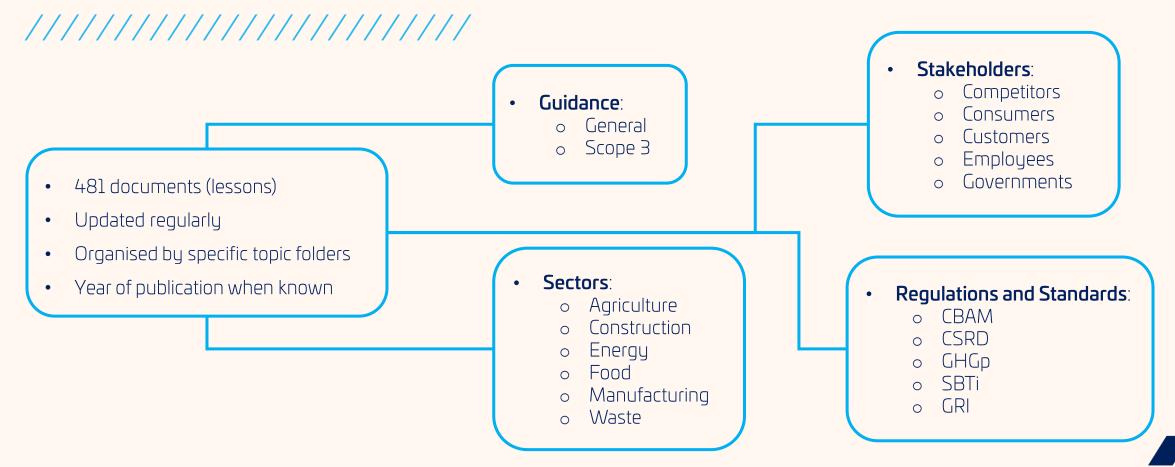






Extensive documentation, monthly update

https://netzero.scoteng.org/



Scottish Engineering programme

Support available











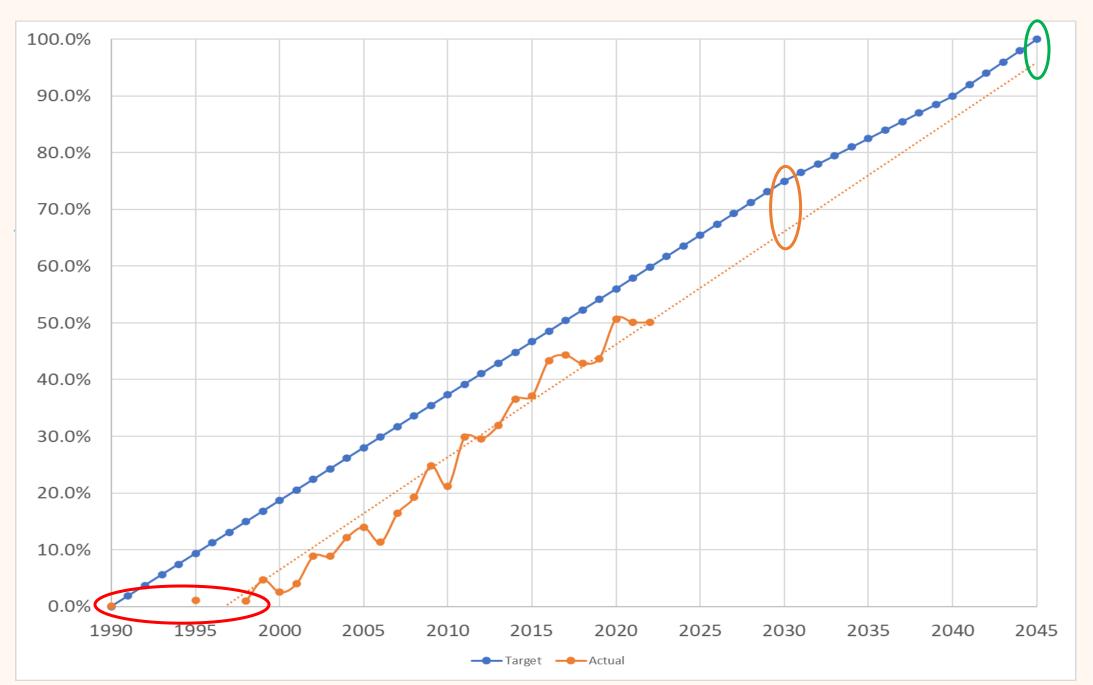
> Tools – roadmap, innovation

- > Data 20 webinars, 2 more by year end
- > Time 327 1-to-1s, 130 organisations, 2 pilots
- > Information 11 monthly newsletters
- > Skills 2 training courses
- > Knowledge library of 481 reports

- > Please make a note of interest to:
 - > scoteng.org.uk
 - > 0141 221 3181

Eric Boinard Net Zero Project Lead ericboinard@scottishengineering.org.uk









Thank you

scoteng.org.uk | 0141 221 3181

