

Supplier Sustainability Engagement

2025

EVERY CONNECTION COUNTS



GLOBAL CLIMATE ISSUES THE KEY CHALLENGE OF OUR TIME



THE PROBLEM

How do we make all the things the world needs, invent the things that improve our lives, ***create global economic growth***...how do we do that sustainably, with fierce competitors and ***price sensitive customers***?

TE makes 213 billion parts a year – As TE we are looking for suppliers that offer sustainable solutions at the right cost.



Sustainability with competitive advantage

Our reality - fierce competitors and cost sensitive customers

- Enhance brand reputation and loyalty
- Attract investment
- Cost savings and operational efficiency
- Regulatory compliance and risk mitigation
- Innovation and market differentiation
- Increased access to sustainable supply chains
- Consumers demand for transparency
- Adapting to future market trends
- Global market opportunities



Our Purpose

WE CREATE A SAFER,
SUSTAINABLE, PRODUCTIVE
AND CONNECTED FUTURE.

2024

WORLD'S MOST
ETHICAL
COMPANIES[®]

ETHISPHERE

10-TIME HONOREE

Sustainability Yearbook
2023 Member
S&P Global


SIQT | Schweizer Institut
für Qualitätstests GmbH

2022/2023
GreenTech
Award

Environmental & Climate
Protection Technologies

AWARD WINNER
Innovation Excellence
TE Connectivity

Examination: 09/22 ERM TECH1000
Sustainability Performance 2020/21, auditatstest.ch/6/200



DISCLOSURE INSIGHT ACTION

Member of
Dow Jones
Sustainability Indices

Powered by the S&P Global CSA



“ We’ve been demonstrating our commitment to sustainable business for years and our strategy is the next evolution of that.

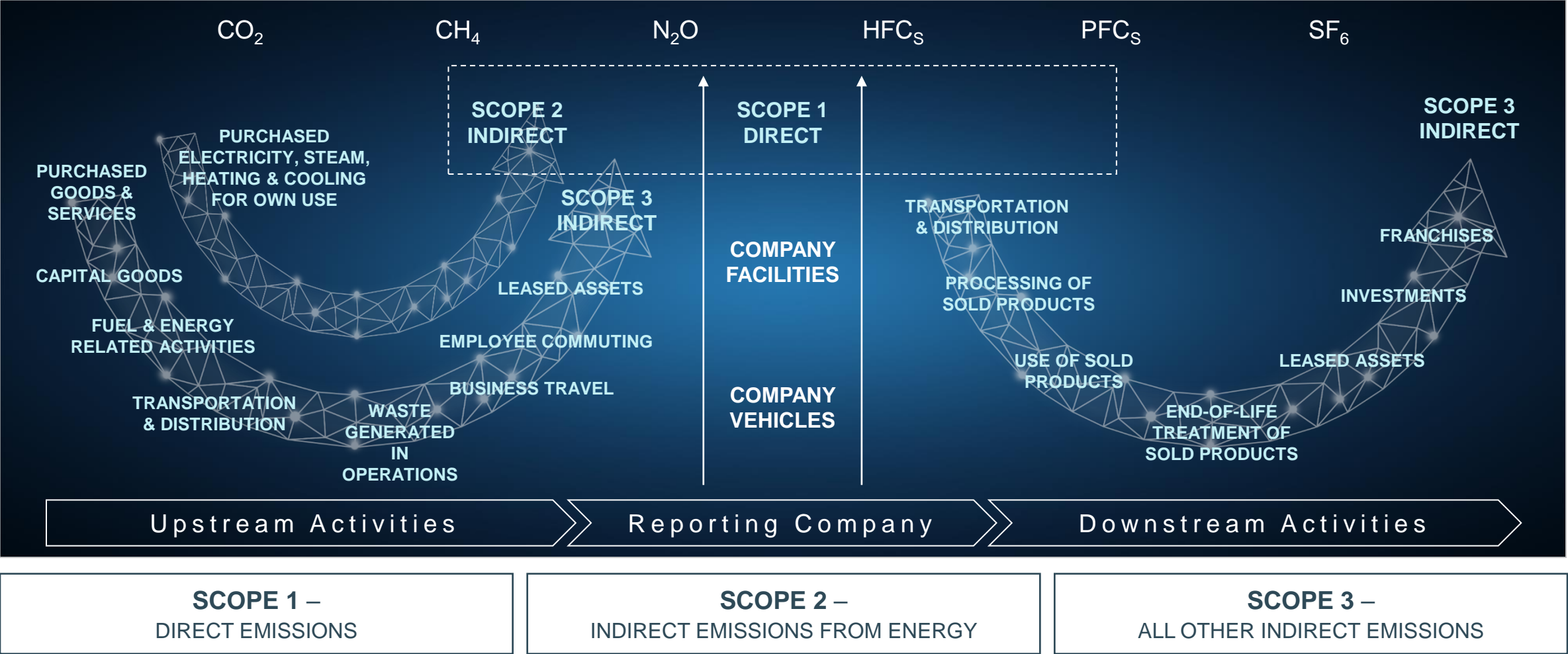
It’s proof of concept that sustainability isn’t something we do, it’s who we are.”

Terrence Curtin, CEO

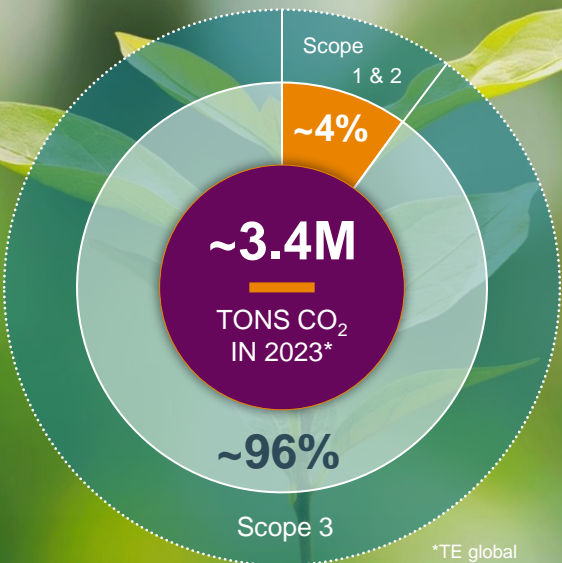
Carbon Footprint



Source Figure 1: GHG Protocol Scope3-Standard (2022)



Our Environmental Sustainability Journey



HOW WE'LL ACHIEVE OUR COMMITMENTS

SCOPE 1

Reduce Fuel
& sulfur hexa-
fluoride(SF₆)

SCOPE 2

Increase renewable
electricity

Strong investment in
energy efficiency

70+%

absolute reduction
by 2030

SCOPE 3

Partner with
Our Top Suppliers
To develop an
emission reduction plan

Enhancing
Scope 3
reporting

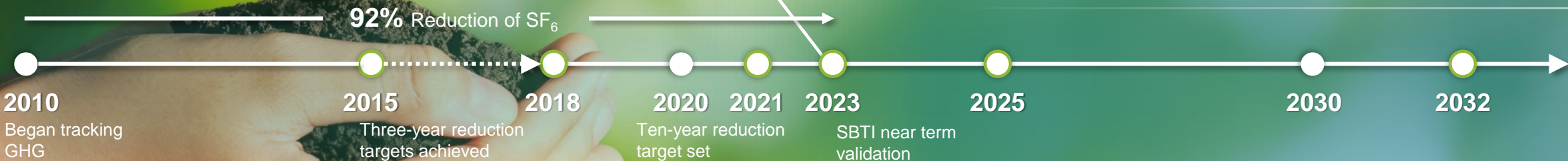
Design products
more sustainably:
use less, replace
materials

30%

absolute reduction
by 2032

TE sites using
renewable or carbon
free electricity

100+



Reduce water usage at
targeted water scarce sites

15%

Reduction goal for
water and hazardous
waste by 2025

Reduce hazardous
waste disposed of

24%

Reduction in total water
withdrawal FY2020-
FY2023

46%

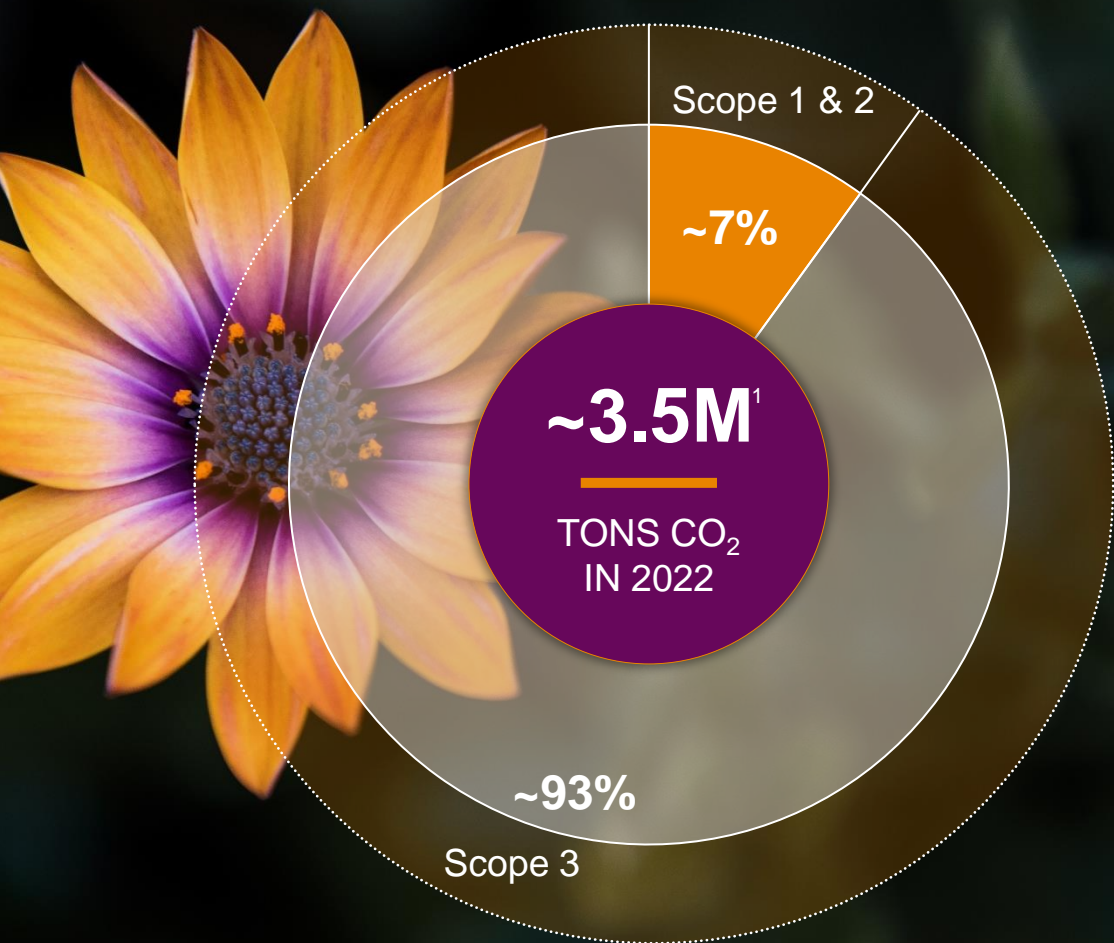
Reduction in hazardous
waste disposed
FY2021-FY2023

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Sustainability Indices**
Powered by the S&P Global CSA



**Sustainability Yearbook
2023 Member**
S&P Global

TE Connectivity Carbon Emission Overview



SCOPE 1 & 2:

Energy used in **production** and **transportation** with largest share of our carbon emissions

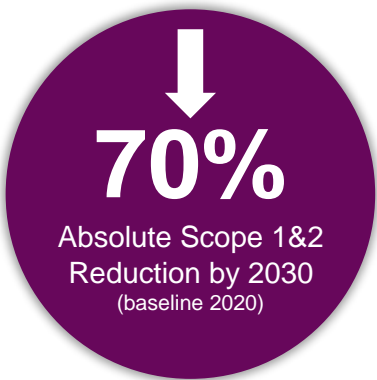


SCOPE 3:

Resins, metals & other **purchased commodities** further processed in our plants major carbon emission contributors



CLIMATE IMPACT TARGETS



Targets validated by **SBTi**

¹ Total GHG emissions Scope 1-3 of TE Connectivity (in metric tons CO₂ equivalent) ² Science Based Targets Initiative

Science Based Targets Initiative

SBTi

A corporate climate action organization that:

- Develops standards and guidance for greenhouse gas emissions reduction targets
- Aims for global net zero emissions by 2050
- Approved TE's emissions reduction commitments in April 2024



SCIENCE
BASED
TARGETS

**Check
SME approach**

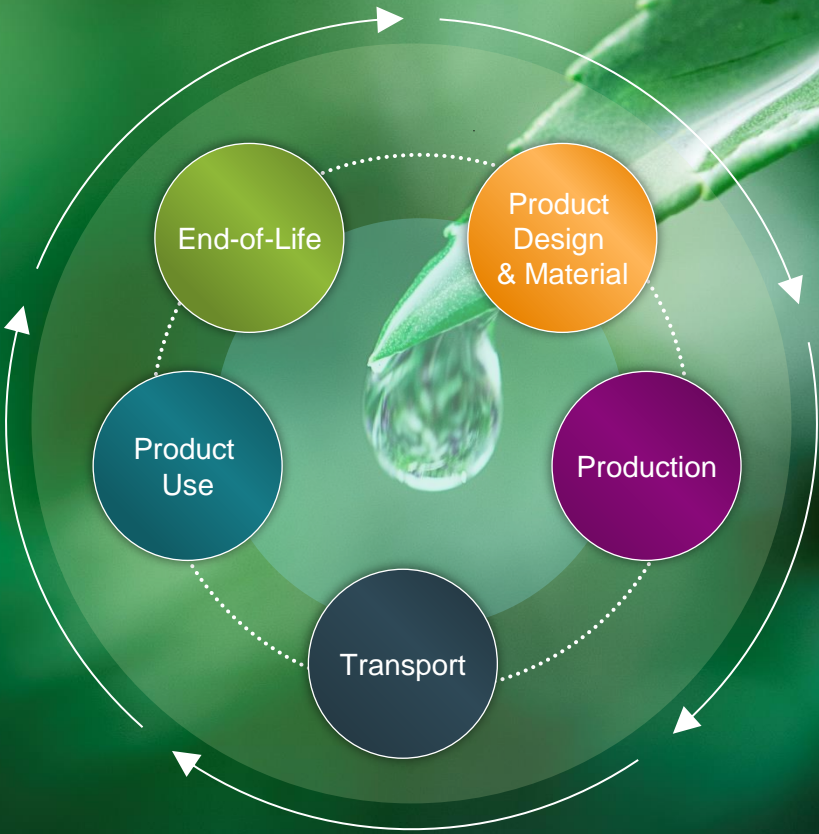
More than 130 countries signed on the UN commitment for carbon neutrality by 2050

How are we going to do this?

TE Scope 3 Strategy



WE ARE COMMITTED TO PURSUING OUR
KEY TARGETS
 THROUGHOUT ALL **LIFECYCLE STAGES**, WITH A
 CLEAR FOCUS ON **SUPPLIER ENGAGEMENT** AND
DESIGN FOR SUSTAINABILITY



Goals Roadmap for Suppliers

Awareness - Timeframe: FY25-FY26

Suppliers must establish emissions baseline, evaluate hotspots and determine potential reduction levers

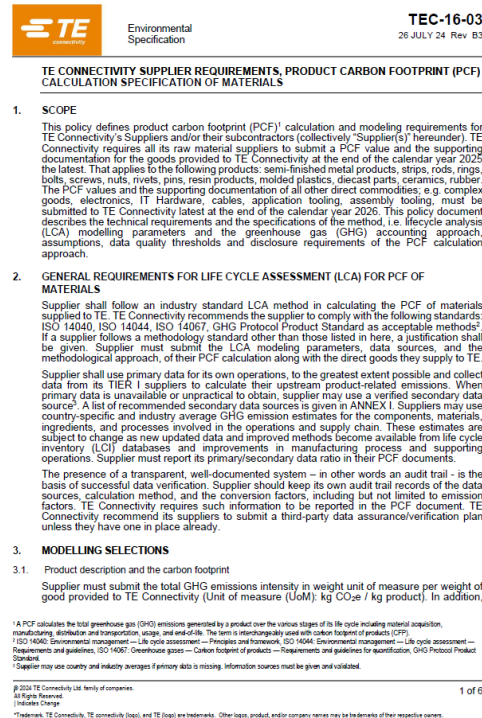


TE PCF Policy TEC-16-03- REV B3 2024

Highlights

- **Objective:**
 - 1- Standardize PCF calculations approach so that the supplier values are comparable
 - 2- Increase the accuracy of TE Scope 3 calculations
- Timeline to submit PCF values to TE:
 - **High Emissions** latest end of FY 2025
 - **All others** CY 2026
- Required to verify the values and the calculation approach by a third-party. Suppliers without an assurance or verification report must **submit an assurance plan** to TE Connectivity.

➤ DocLink link: [TEC-16-03 REV B.3](#)



Standard PCF estimation tool

Change only blue and red parameters

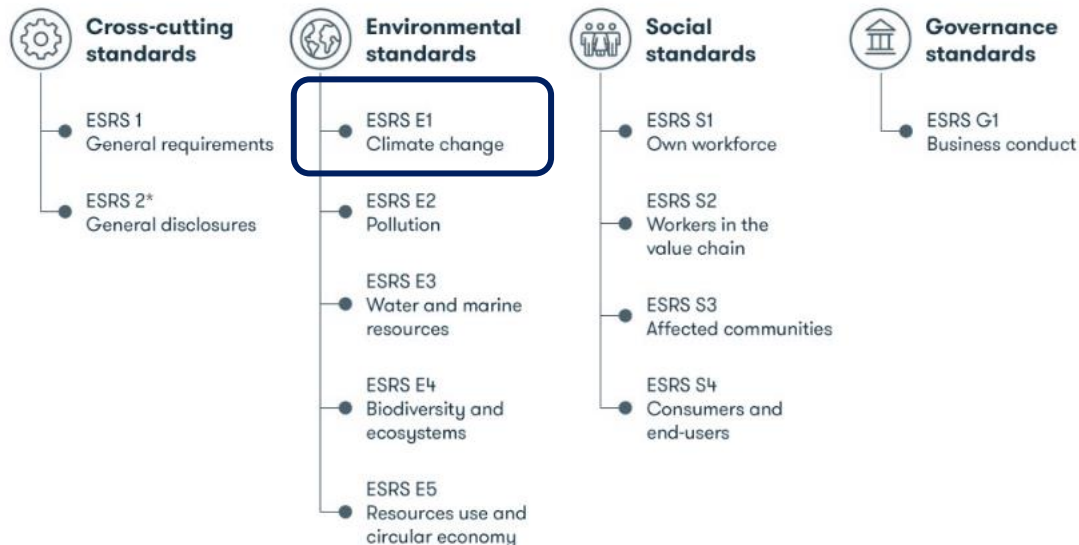
Product weight in g	50	g/pc
Product weight in kg	0.05	kg/pc
Product weight including waste g	50	g/pc
Product weight including waste kg	0.05	kg/pc
Material 1	Percentage	70 %
	Emission Factor	5 kg CO2-eq/kg
	Waste	0 %
	Carbon footprint	0.175 kg CO2-eq/pc
	Carbon footprint	175 g CO2-eq/pc
Material 2	Percentage	30 %
	Emission Factor	7 kg CO2-eq/kg
	Waste	0 %
	Carbon footprint	0.105 kg CO2-eq/pc
	Carbon footprint	105 g CO2-eq/pc
Material 3	Percentage	0 %
	Emission Factor	0 kg CO2-eq/kg
	Waste	0 %
	Carbon footprint	0 kg CO2-eq/pc
	Carbon footprint	0 g CO2-eq/pc
Material 4	Percentage	0 %
	Emission Factor	0 kg CO2-eq/kg
	Waste	0 %
	Carbon footprint	0 kg CO2-eq/pc
	Carbon footprint	0 g CO2-eq/pc
Additional emission	Percentage	15 %
	Carbon footprint	0.042 kg CO2-eq/pc
	Carbon footprint	42 g CO2-eq/pc
Total Carbon Footprint	0.322	kg CO2-eq/pc
	322	g CO2-eq/pc
Carbon intensity	6.44	g CO2-eq/g



Corporate Sustainability Reporting Directive (CSRD)

Is a regulation by the European Union (EU) that aims to improve and standardize sustainability reporting for companies. It establishes a reporting framework called the European Sustainability Reporting Standards (ESRS).

Since TE is an EU-based company, CSRD reporting is mandatory, and we require information from suppliers to comply with this.



TE Reporting for CSRD

E1 Climate Change

- Targets related to climate change mitigation and adaption
- Energy consumption and mix
- Gross Scopes 1,2,3 and total GHG emissions
- Anticipated financial effects from material physical and transition risks and potential climate-related effects

PRODUCT DESIGN & MATERIAL



MATERIAL TYPE



RECYCLED CONTENT



MATERIAL EFFICIENCY



PROCESS EFFICIENCY



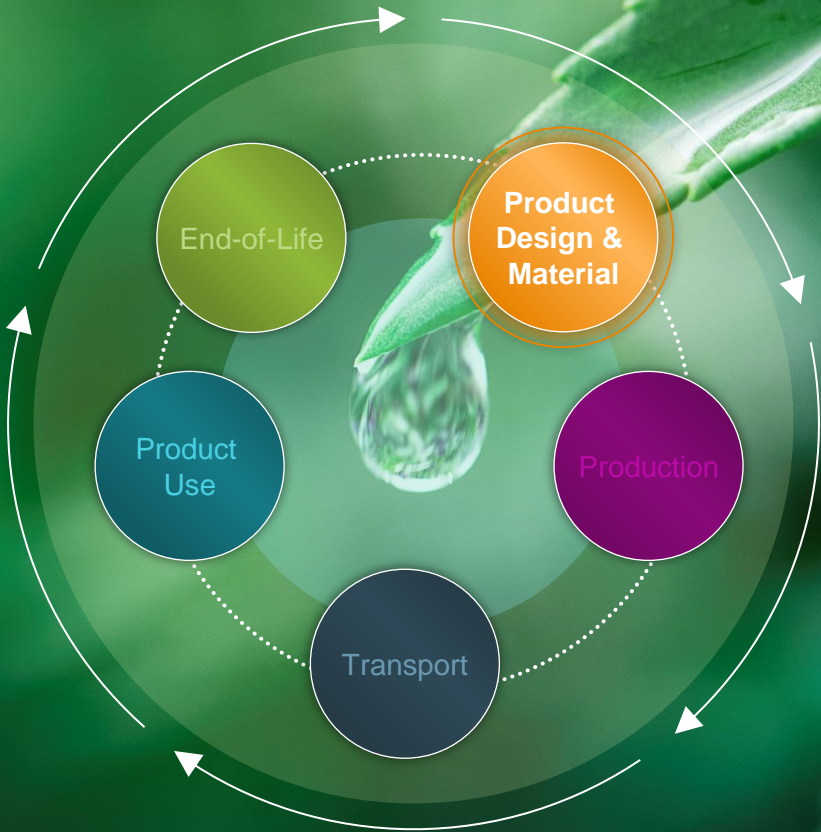
WASTE & SCRAP



DESIGN FOR
SUSTAINABILITY AND COST

Product Engineering
Sustainability Vision & Mission:

“AS **PIONEERS OF SUSTAINABILITY**,
WE DESIGN THE FUTURE TOWARDS
THE **LOWEST EMISSION!**”



PRODUCTION



ENERGY TYPE



ENERGY EFFICIENCY



PROCESS EFFICIENCY



WATER USAGE

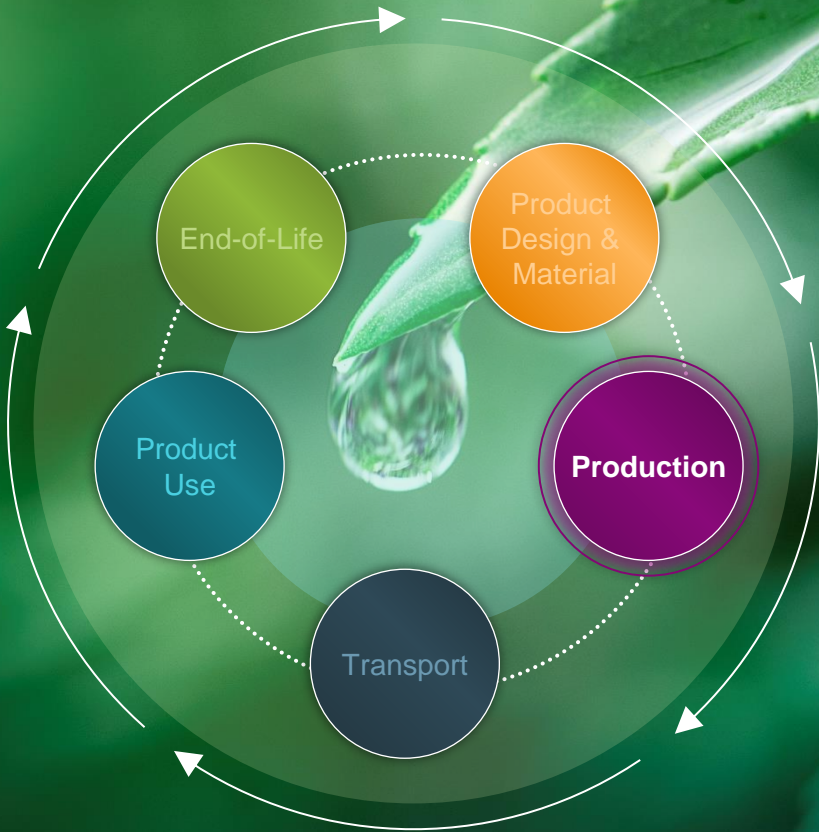


WASTE & SCRAP



PRODUCE FOR
SUSTAINABILITY AND COST

USING **RENEWABLE ENERGY** AND INCREASING
ENERGY & PROCESS EFFICIENCY ACROSS
ALL PLANTS; MINIMIZING **WATER**
CONSUMPTION AND WASTE & SCRAP



TRANSPORT



MODE OF TRANSPORT



CUSTOMER PROXIMITY



SUPPLIER PROXIMITY

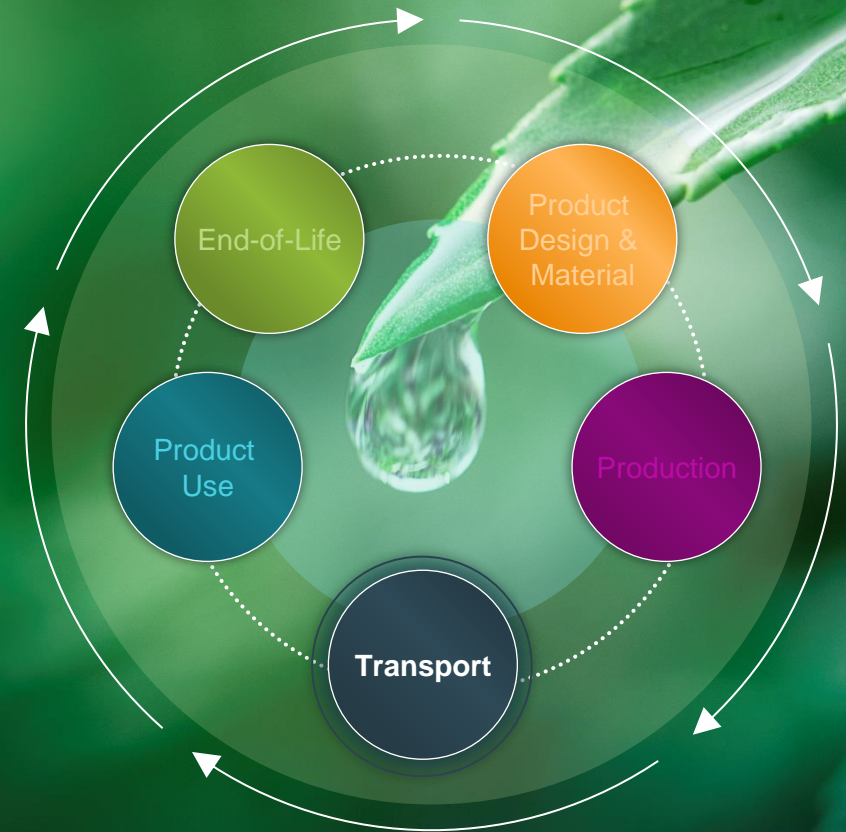


LOAD CAPACITY OPTIMIZATION



PACKAGING

USING **ECO-FRIENDLY MODES OF TRANSPORT**, WHILE SHORTENING FREIGHT ROUTES



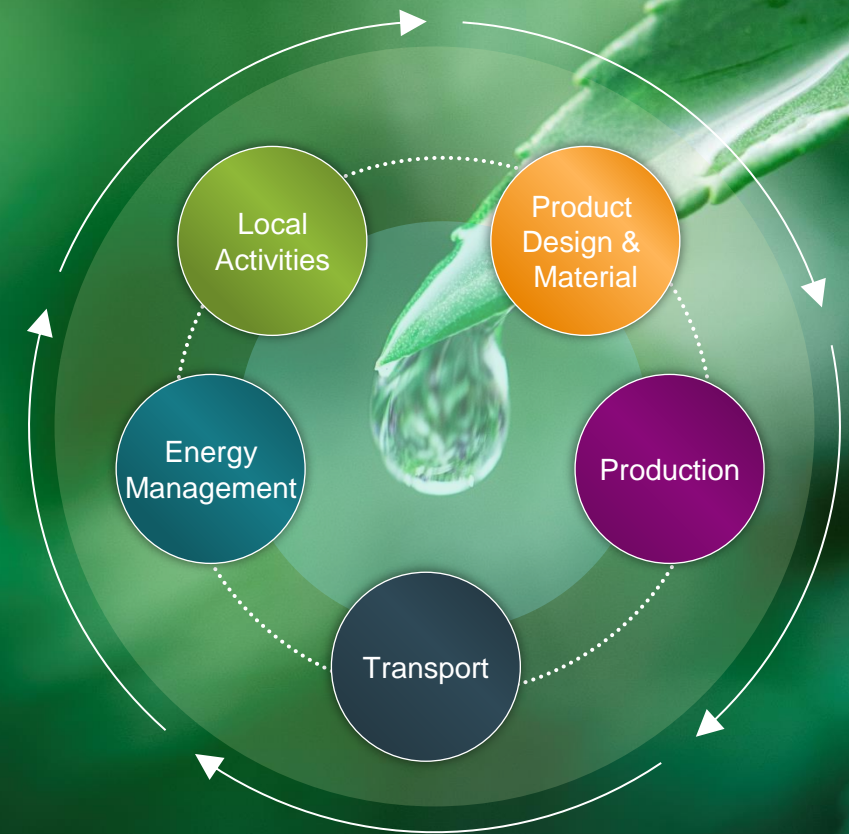
Your Sustainability Commitment

- 1 **EMISSION REDUCTION COMMITMENT** → Commitment to **reducing emissions** across all Scope 1, Scope 2 & Scope 3 in alignment with TE's reduction targets
- 2 **SUSTAINABILITY PROJECTS** → A Reduction **project roadmap** – Identify reduction opportunities and develop strategies.
- 3 **OPTIMISATION OF ENTIRE SUPPLY CHAIN** → Increase **recycling content** & use of **renewable energy** – Optimize **transportation** and **packaging**
- 4 **PCF CALCULATIONS & RECYCLED CONTENT** → We need the current **PCF & recycled content** of parts supplied to TE – Yearly update on values to see improvements
- 5 **DESIGN FOR SUSTAINABILITY** → Further margin improvements by low-resource production processes and **circular design**– **lower PCF** is expected annually

LET US TOGETHER
ACHIEVE THE 2032
AMBITIONS

FIRST MILESTONE ON
OUR SCIENCED
BASED JOURNEY

TOGETHER WE NEED TO CONTINUE
OUR SUSTAINABLE JOURNEY
ONLY WHEN WE **WORK TOGETHER**, WE CAN
ACHIEVE THE ULTIMATE **EMISSION GOALS**

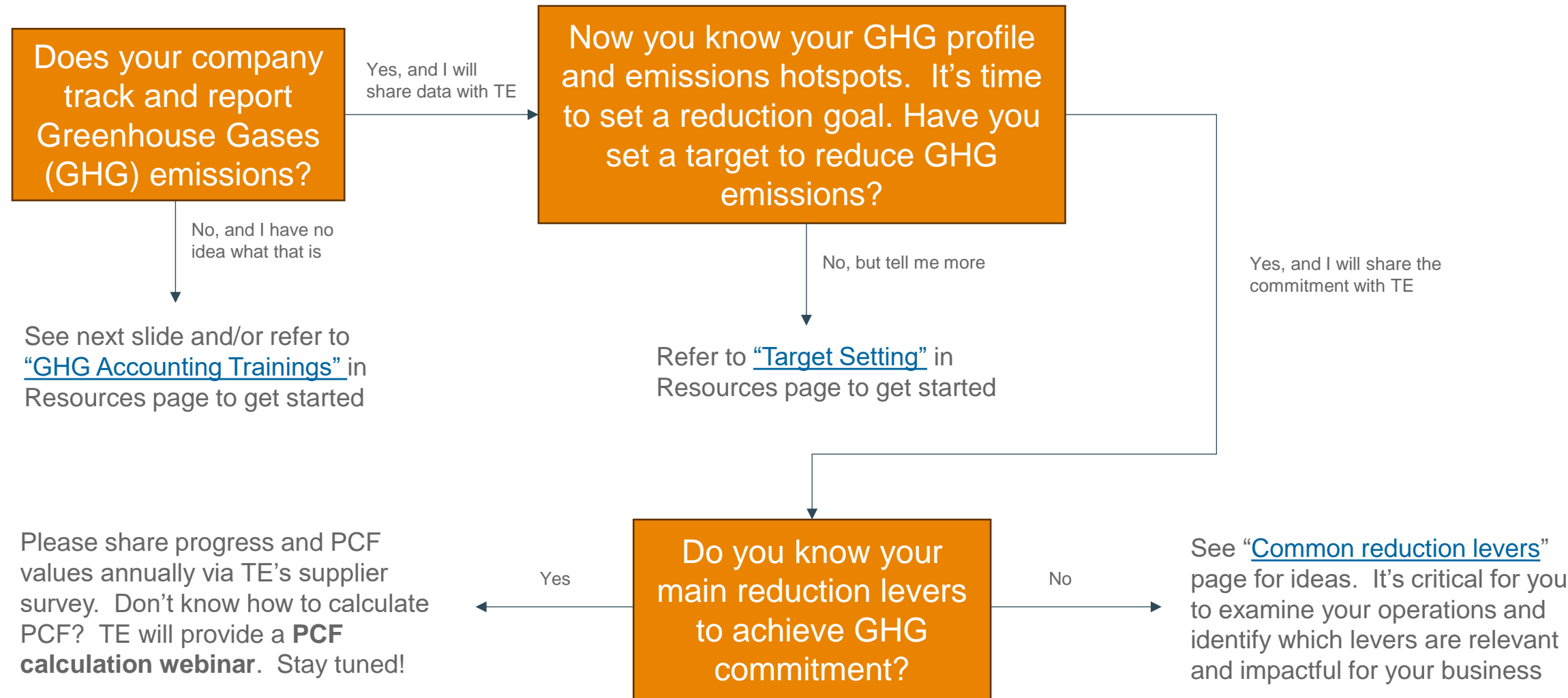


Resources to get started

EVERY CONNECTION COUNTS



Sustainability can be intimidating, but TE is here to help



Measure carbon footprint for your business

What gets measured gets managed

Here are steps to identify emissions hotspots for your business:

1. Assess business operations to find sources of emissions:
 - Begin by reviewing any environmental permits your business holds
 - Look for any areas that use fuel, natural gas or electricity
2. Collect and measure emissions data
 - Examine electricity bills and fuel invoices for consumption data
 - Look for emission factors (most are publicly available) to calculate emissions
 - Emissions = Consumption x Emissions Factor
3. Identify key emission sources
 - Prioritize top emissions sources and create a plan to reduce them



Resources*

GHG Accounting Trainings:

Greenhouse Gas Protocol: [Corporate Standard Training Webinar](#) (free)

Greenhouse Gas Protocol: [A Corporate Accounting and Reporting Standard](#) (free)

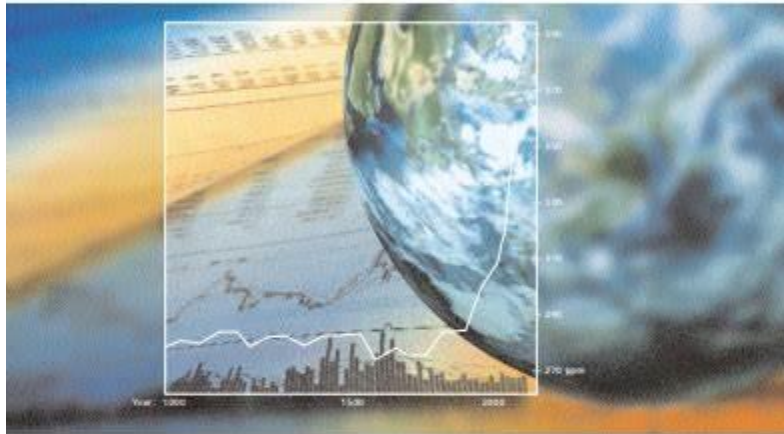
Greenhouse Gas Protocol: [Scope 2 Recorded Webinar](#) (free)

US EPA: [Scope 1, 2 and 3 Emissions Inventorying and Guidance](#) (free)

Additional training suggestions:

[12 training resources for measuring and managing greenhouse gas emissions](#) (article by Trellis)

You may also search “GHG accounting” or “carbon accounting” online for additional information



A Corporate Accounting and Reporting Standard
REVISED EDITION



什么是范围一、范围二和范围三排放?

减少温室气体排放为何重要?

什么是温室气体核算体系?

什么是范围一排放?

什么是范围二排放?

什么是范围三排放?

测量和报告范围一、范围二和范围三排放

限制和减少范围一、范围二和范围三的排放

相关解决方案

资源

后续步骤

什么是范围一、范围二和范围三排放?

范围一、范围二和范围三排放是根据组织的温室气体 (GHG) 排放的来源点来描述其排放的类别。

温室气体核算体系 (GHG 核算体系) 是一项国际认可的标准, 它创建了这三个范围, 以全面了解企业或组织的环境影响。

- 范围一排放是公司直接产生的。
- 范围二排放是通过购买能源间接产生的。
- 范围三排放是公司价值链中发生的间接排放。

对温室气体排放进行分类有助于企业识别排放来源, 并随后制定有效的减排策略。它还可以进行跨行业和跨部门的基准分析和比较, 提高企业可持续发展工作的透明度和责任感。

https://ghgprotocol.org/sites/default/files/2022-12/Chinese_small.pdf

<https://www.ibm.com/cn-zh/think/topics/scope-1-2-3-emissions>

Target Setting:







US EPA: [Target setting](#)

Greenhouse Gas Protocol: [A Corporate Accounting and Reporting Standard](#) Chapter 11

Science Based Targets: [How it works](#)

United Nations Global Compact Academy: [Setting Science-Based Targets to Achieve Net-Zero](#)

* TE is not affiliated with any training providers. However, TE strongly recommends that suppliers who are not well-versed in sustainability/esg topics dedicate time and resources to learning about these topics. Suppliers have the freedom to choose how they will familiarize themselves with these topics

 <p>COURSE Self-paced e-learning</p> <p>E-waste challenge</p> <p>ITU</p> <p>SDG 13, SDG 17, SDG 17: Technology</p>	 <p>COURSE Blended learning 1 Feb 2025</p> <p>MSc in Sustainability Management</p> <p>UNITAR, Schiller</p> <p>2030 Agenda, SDG 13</p>	 <p>RESOURCE Platform</p> <p>Global Industrial Park Knowledge Platform</p> <p>United Nations Industrial Development Organization UNIDO</p> <p>SDG 2, SDG 8, SDG 9, SDG 13</p>	 <p>COURSE Facilitated e-learning</p> <p>Become a Player in the Energy Transition</p> <p>ITC</p> <p>SDG 7, SDG 9, SDG 11, SDG 12, SDG 13, SDG 17, SDG 17: Capacity-building</p>	 <p>COURSE Self-paced e-learning</p> <p>The Net-Zero Standard</p> <p>UNGCA</p> <p>SDG 11, SDG 12, SDG 13</p>	 <p>RESOURCE Recorded webinar</p> <p>Climate Action: Uniting Business and Governments to Recover Better</p> <p>UNGCA</p> <p>SDG 3, SDG 13, SDG 17, SDG 17: Systemic Issues</p>
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Additional useful resources*

United Nation SDG Learn:

[Introduction to Standards and Sustainability](#) (free)

[Introduction to Corporate Social Responsibility](#) (free)

[Competitiveness Through Enterprise Sustainability](#) (free)

[Resource Efficiency](#) (free)

More courses from UN can be found [here](#)

Coursera: [Sustainability Courses Online](#) (some free)

CSRD Institute: [CSRD Fundamentals](#) (free)

Greenomy Academy: [ESG Reporting & Training courses](#) (free)

You may also search “sustainability training” or
“ESG training” online for additional information



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Additional useful resources*



Governmental Ressources:

[Umweltbundesamt](#)

[Umwelttechnik BW \(publciations\)](#)

[Deutsche Nachhaltigkeitsstrategie](#)

[Environmental Footprint Methods \(EU\)](#)

[Energy, Climate change, Environment
\(European Comission\)](#)

[Standards, tools and lables \(European
Commission\)](#)

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The screenshot shows the European Commission website. At the top, there's a header with the European Commission logo, a language selector set to 'EN', and a search bar. Below the header is a navigation menu with links: Home, About us, Our priorities, News and media, Topics, and Europe and you. A breadcrumb trail indicates the current path: Home > Energy, Climate change, Environment. The main heading is 'Energy, Climate change, Environment'. Below it, a paragraph states: 'EU policy protects the environment and seeks to minimise risks to climate, human health and biodiversity. The European Green Deal aims to make Europe the world's first climate-neutral continent.' There are three columns of links. The first column, 'Overall targets and reporting', includes links to 2030 targets, 2040 targets, 2050 targets, EU contribution to international goals, EU environment action programme to 2020, Climate and energy targets 2020, and Energy strategy. The second column, 'Implementation in EU countries', includes links to Energy and climate governance and reporting, Environmental compliance assurance, The Aarhus Convention and the EII, and Standards, tools and labels. The third column, 'International cooperation', includes links to Energy, Climate change, and Environment. Below the 'Standards, tools and labels' link, there's a sub-header 'Product labelling, environmental impact assessment and certification procedures.' followed by three columns of links: 'Assessment of environmental impact' (with sub-links for Assessment of plans, programmes and projects and Participation), 'Environmental performance management and certification' (with sub-links for EU environmental technology verification, Eco-management and audit scheme (EMAS), Ecolabel for ecofriendly tourist accommodation, and Organisation environmental footprint), and 'Products - labelling rules and requirements' (with sub-links for CO2 emission limit targets for road vehicles, Chemicals, Ecodesign for Sustainable Products Regulation, Ecolabel for eco friendly products and services, Efficiency of energy-related products, Fuel consumption labelling for passenger cars, and Product environmental footprint).

ANY CONNECTION CAN CHANGE THE WORLD



EVERY CONNECTION COUNTS

