

ESG for ITADS

June 2026
Frankfurt



Bloom.

E-WASTE
WORLD
EXPO

BATTERY
RECYCLING
EXPO

METAL
RECYCLING
EXPO

ITAD &
CIRCULAR
ELECTRONICS
EXPO





Bloom.



Bloom.

**E-WASTE
WORLD
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RECYCLING
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About us.

Bloom is the premium standard for impact reporting in the circular economy. We serve the global e-waste processors with assurance-grade carbon and circularity data, a trusted registry, and a platform built for enterprise requirements.

Founders



 **Amanda Bond**
Founding Partner



Sebastian Foot
Founding Partner 

Combined 40+ years in sustainability – working across ESG advisory, avoided emissions monetization, decarbonisation strategy and carbon & capital markets.

Achievements



IN THE TOP 3% OF GREEN INNOVATORS IN EUROPE

1M+⁺

TCO2E AVOIDED CERTIFICATES CONTRACTED TO 2026



IMPACT SOFTWARE SOLUTION TO E-WASTE SECTOR

1000

REAL-TIME IMPACT REPORTING DELIVERED TO 1000'S OF US CORPORATES

80M+

KGS ELECTRONICS PROCESSED VIA BLOOM'S CIRCULARITY PLATFORM

Advisory services + digital solutions



Client Example

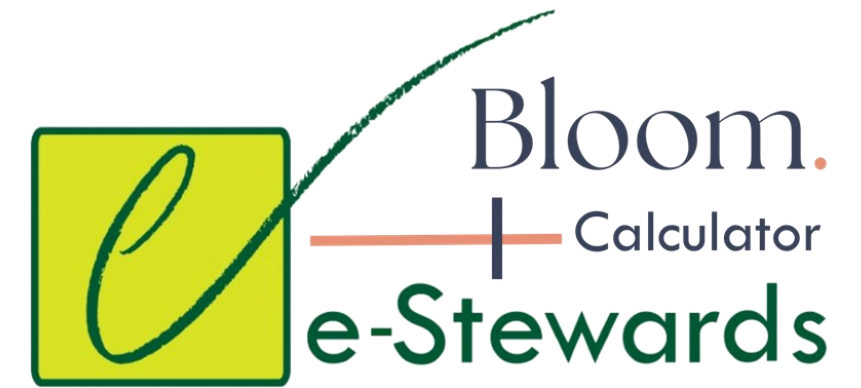




PARTNERSHIP ANNOUNCEMENT

Bloom ESG and **e-Stewards** have partnered to introduce the first ISO-approved, independently verified environmental impact calculator.

**Transparent,
data-driven,
impact
reporting.**



Built for ITADs,
recyclers,
automated
recovery solutions
and smelters.

Deployed by R2,
e-Stewards and
international
processors

Now, with the Bloom ESG + e-Stewards premium calculator, your business can:

- Measure and report Scope 4 avoided emissions
- Gain access to an audited, standardized methodology designed for electronics recyclers
- Engage customers with reporting automatically generated at the order level
- Align to industry-wide impact reporting standards

ITAD Customer Engagement Journey

Bloom ESG is your sales and customer engagement partner.



Impact Reporting

Verified impact for sustainability claims



I-TECs

Verified Impact intensity certificates for corporate carbon reduction targets

Connect Data

Connect to ERP systems to measure units processed.



Impact Metrics

Receive KPIs such as avoided emissions, critical minerals, etc.



Reporting

Share tailored reports with your clients.



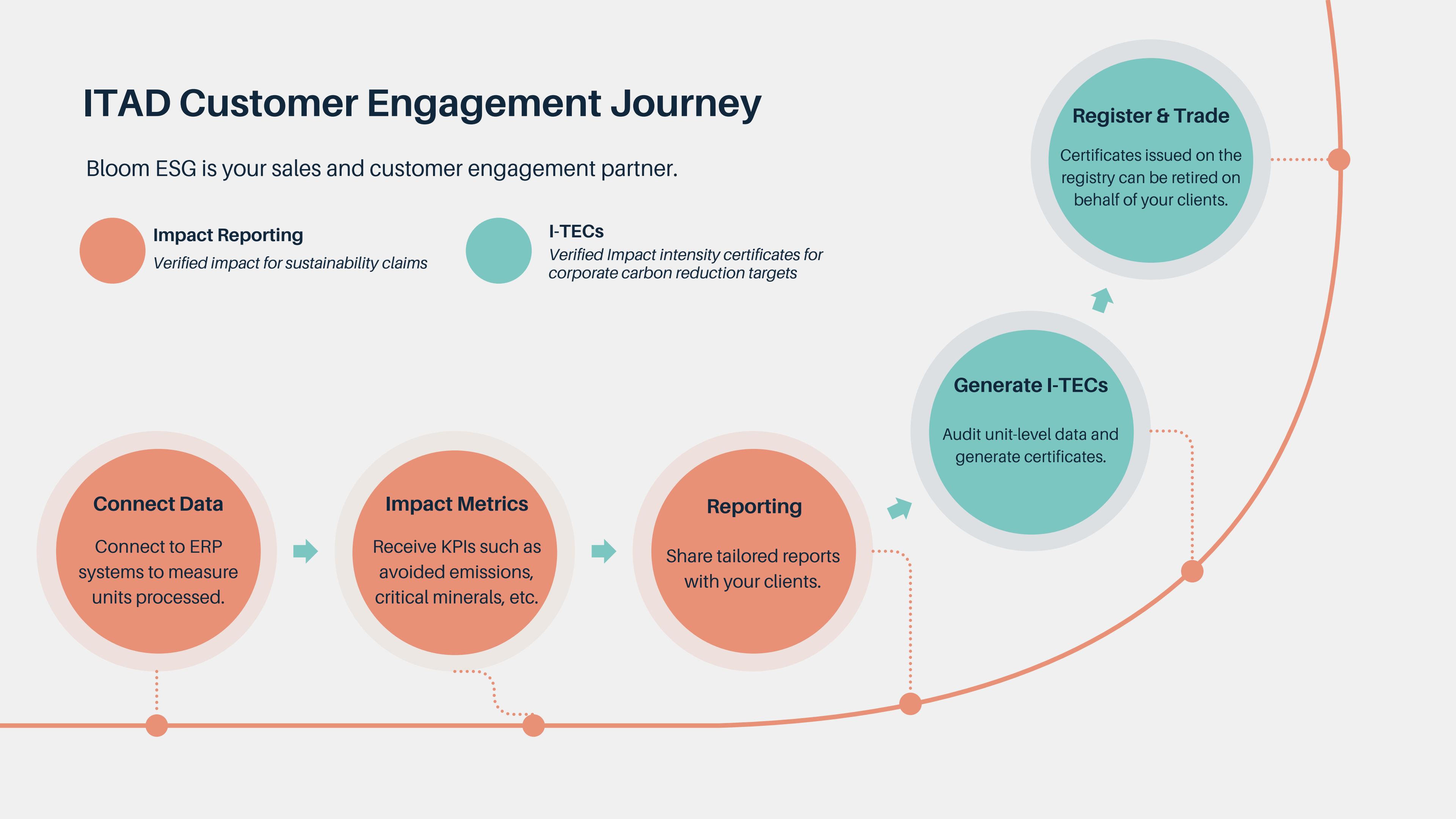
Generate I-TECs

Audit unit-level data and generate certificates.



Register & Trade

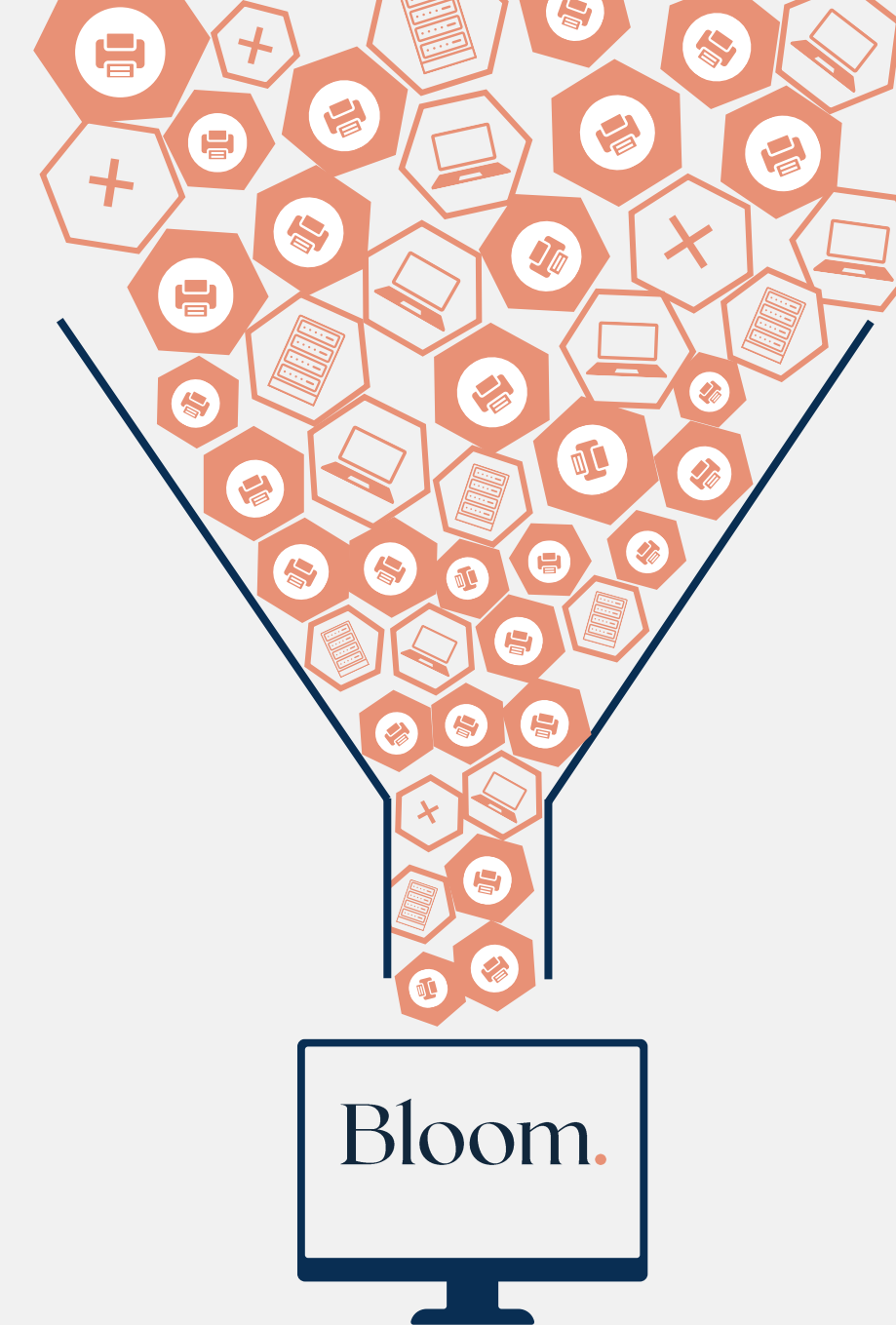
Certificates issued on the registry can be retired on behalf of your clients.





You will be able to
view impact data
directly for every
asset processed.

Bloom's **Real-Time Avoided Emissions Portal** calculates the verified environmental benefits for the end of life treatment of your IT assets – and track this down to the individual transaction.



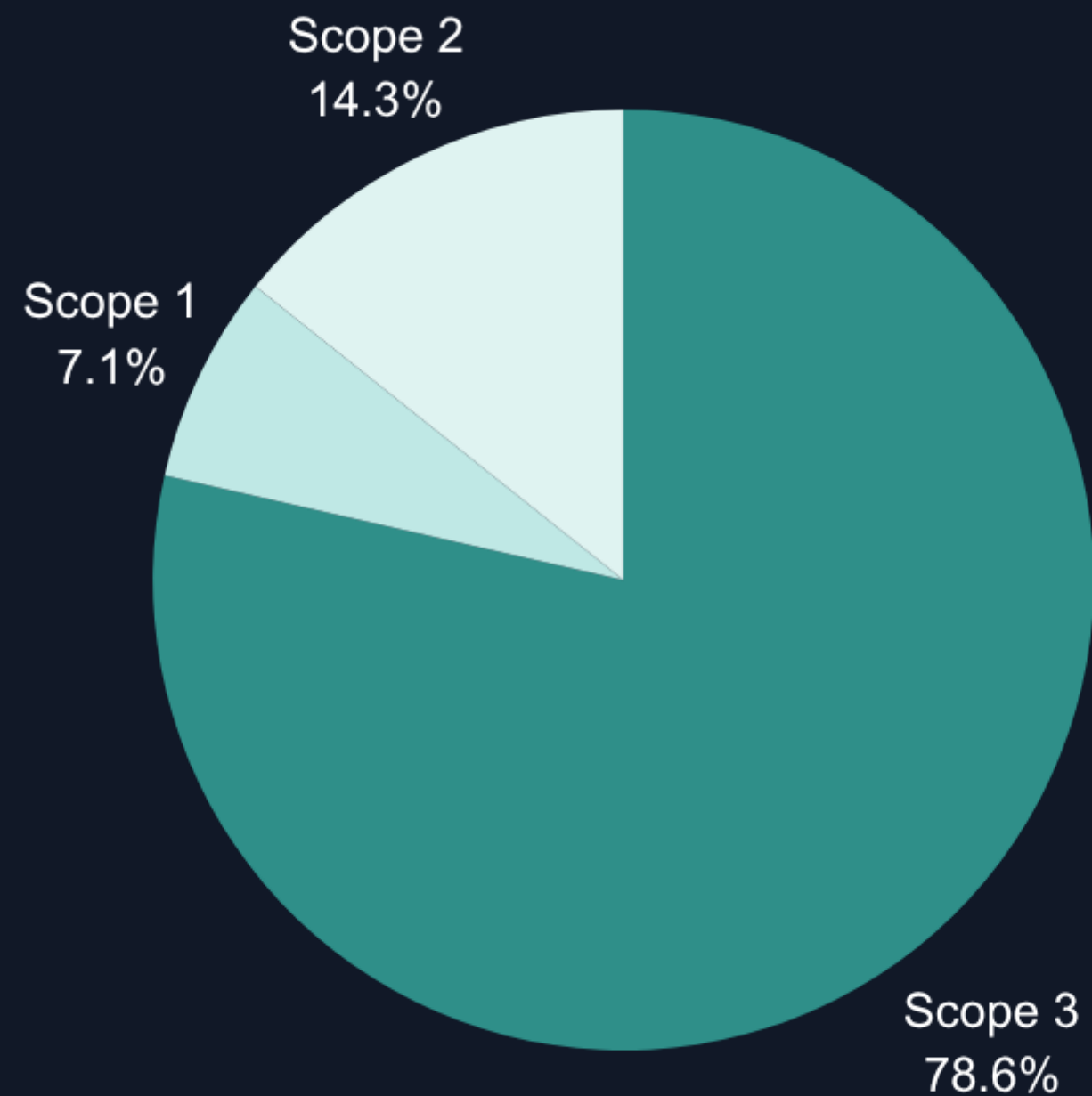
Impact reporting for thousands of assets and commodities

Every major company in the world is falling behind on its Scope 3 targets.

A solution to this problem sits in **IT Assets**.

Scope 3 emissions are inherently **complex** to measure and reduce.

Corporate Carbon Footprint



Scope 3 Examples



LEASED
ASSETS



BUSINESS
TRAVEL



LOGISTICS



CAPITAL
GOODS



WASTE



EMPLOYEE
COMMUTING



END OF LIFE



IT ASSETS

*IT assets sit in Scope 3. They are an underlooked reduction opportunity. **Until now.***

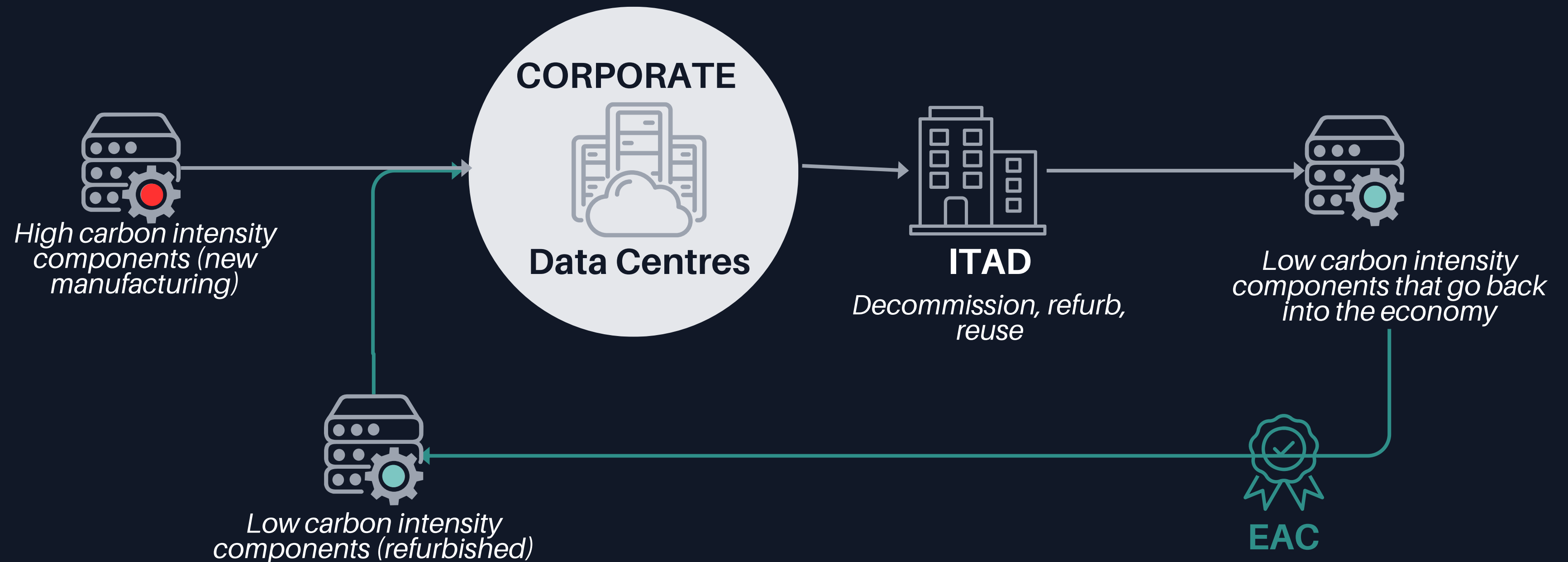
Many of your corporate clients have set **aggressive targets** to reduce Scope 3 emissions.

IT Asset reuse as a Scope 3 reduction solution complements their existing sustainability strategy.



TARGET COMMITMENT	Reduce Scope 3 emissions by more than half by 2030.	Reduce absolute Scope 3 emissions from purchased goods and services by 45% by 2030.	Cap Scope 3 emissions at 2021 levels by 2031.
IT ASSETS	Scope 3 emissions increased 26% from their 2020 baseline in FY24 (data centre construction, components).	Hardware manufacturer and ITAD client. Dell sits at the intersection of contributor to circular economy activities and OEM.	Capping rather than reducing is a signal that physical abatement alone won't get them there.

Environmental Attribute Certificates (EACs) are the **market mechanism** that links downstream processing activities to upstream procurement sustainability decisions.



The carbon reduction potential is up to **90% lower** than IT Assets manufactured from mining. An EAC is not a physical switch, it's a **low carbon claim**.

New IT Assets Purchased

 13,000 office computers

+

 5,000 data centre hardware units

=

155 tons IT Assets
= 10,800 tCO₂e

Manufacturing of new devices and hardware

IT Asset Reuse Certificates

Circular IT lowers value chain emissions via life extension & re-use

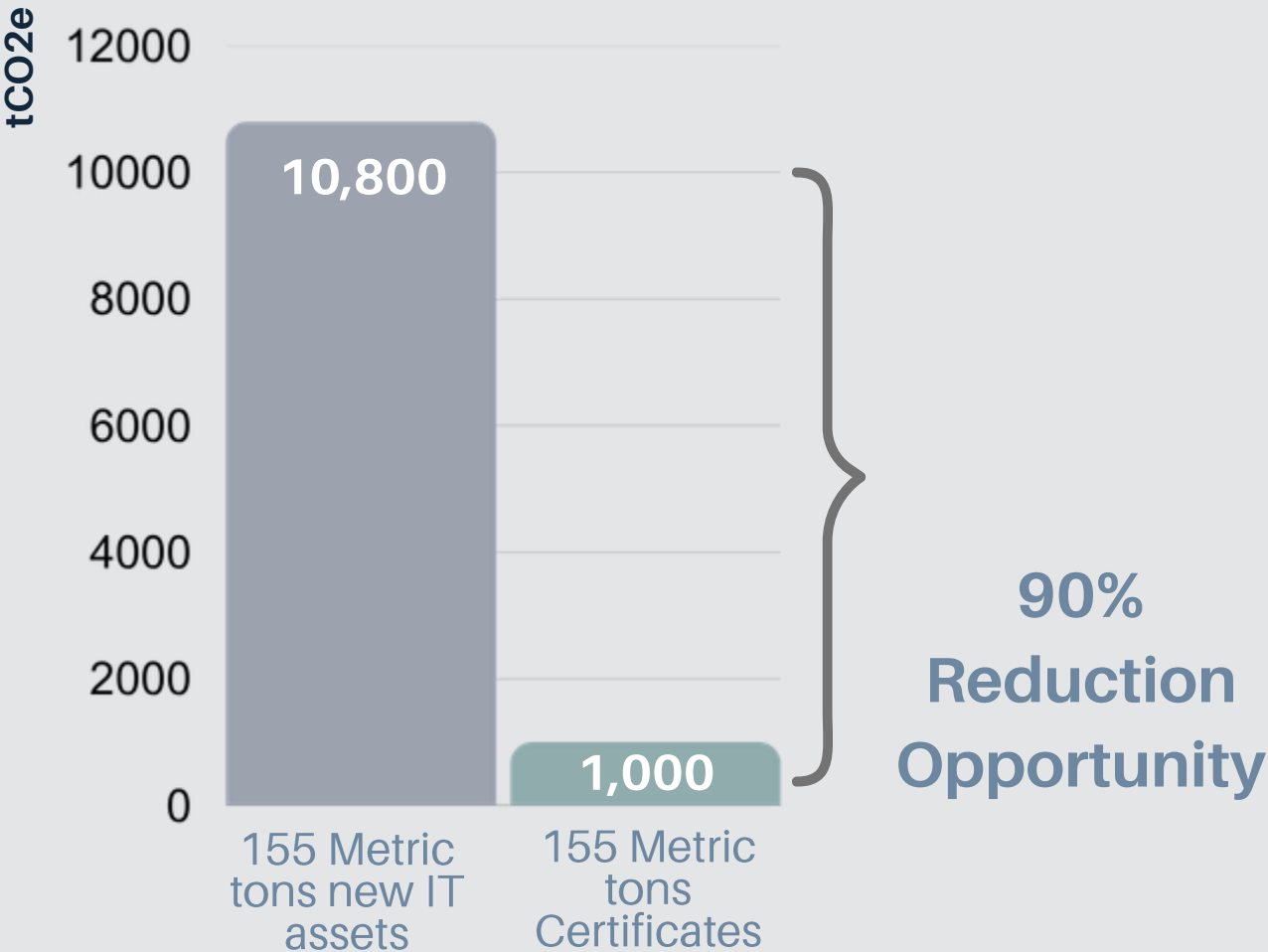
Company purchases
155 metric tons EAC certificates

155 tons IT assets
= 1,000 tCO₂e

Emissions intensity of refurbishing IT Assets

Low Carbon Intensity IT

Balance Sheet Impact - Refurbished IT Assets
155 metric tons of IT Assets



EACs are already implemented in **several other** sectors.

EAC Type	Commodity	Scope	Estimated Carbon Reduction Potential
Renewable Energy Certificates (RECs)	Electricity	Scope 2	85–100% vs grid average
Low-carbon fuels	Industrial fuels	Scope 3	50–80% vs fossil baseline
Bio-methane	Gas / heating	Scope 2/3	70–90% vs natural gas
Hydrogen EACs	Industrial / transport	Scope 3	70–95% vs grey hydrogen
Sustainable Aviation Fuel (SAF)	Aviation	Scope 3	50–80% vs conventional jet fuel
Energy efficiency certificates	Buildings / operations	Scope 2	20–40% vs baseline
Recycling and circularity certificates	Materials / packaging	Scope 3	40–70% vs virgin production
Carbon removals	Residual emissions	All	100% neutralisation
IT Asset Reuse Certificates (I-TECs)	IT hardware	Scope 3	~90% vs new manufacturing

For the first time in the history of corporate carbon accounting, what ITADs do has a **formal place in a science-based target.**

COMMODITY EACS ARE NOW EXPLICITLY PERMITTED

Published June 2026, it formally recognises commodity EACs and book-and-claim as instruments for Scope 3 target delivery.

I-TECS MEET ALL SIX SBTI INTEGRITY TESTS

I-TECs are aligned: verified carbon intensity per device, serialised registry, third-party assurance-ready, no double counting.

THREE WAYS CORPORATE BUYERS CAN USE I-TECS

Volume alignment, supplier alignment, absolute reduction.

THE WINDOW IS NOW

V1 closes for new targets end of 2027. Companies setting targets today are setting them under V2.0. ITAD vendors are now a climate governance decision.

Thank you.



Sebastian Foot
Founding Partner

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Greenwich Mean Time (UCT)

ESG

Impact Hub

launched today by







The New Tsunami of
American e-Waste Exports to Asia

October 15, 2025



BAN Released 2 – Yr.
study showing US
Industry still plagued
by illegal e-Waste
Trafficking



ESG in Short

ESG reporting transforms a company's environmental, social, and governance practices — its behavior in the global community, from invisible internal realities into accountable, comparable, and validated attributes.

E

Environment: measuring your company's impact on the **planet**

S

Social: measuring how your company treats **people** - customers, employees, communities, suppliers

G

Governance: the operational **practices** in place to ensure principles such as transparency, accuracy, ethical conduct and compliance are in place.

ESG

Impact Hub

launched today by



Managing your ESG Data, via an ESG Hub to create ESG Reports

ESG
Data

metrics and other evidence
used to measure ESG
progress.

ESG
Hub

an interactive electronic site to
house and update ESG data in
order to monitor improvement
and as needed, produce reports.

ESG
Report

a document that is
disclosed publicly to inform
a company's stakeholders of
its ESG progress and
commitments.

ESG Report 2023

"Delivering Value with Impact"

Do I need an ESG Report?



SHARE YOUR STORY

ESG Reports can serve as a professional marketing-type document to share during a bidding process, or share with key partners -- customers, financing partners, investors.



DEMONSTRATE LEADERSHIP

Stand out from your peers: ESG Reporting shows strong governance, data, and reporting maturity.

In a sea of options, you want to stand out as advanced.



IDENTIFY OPPORTUNITIES

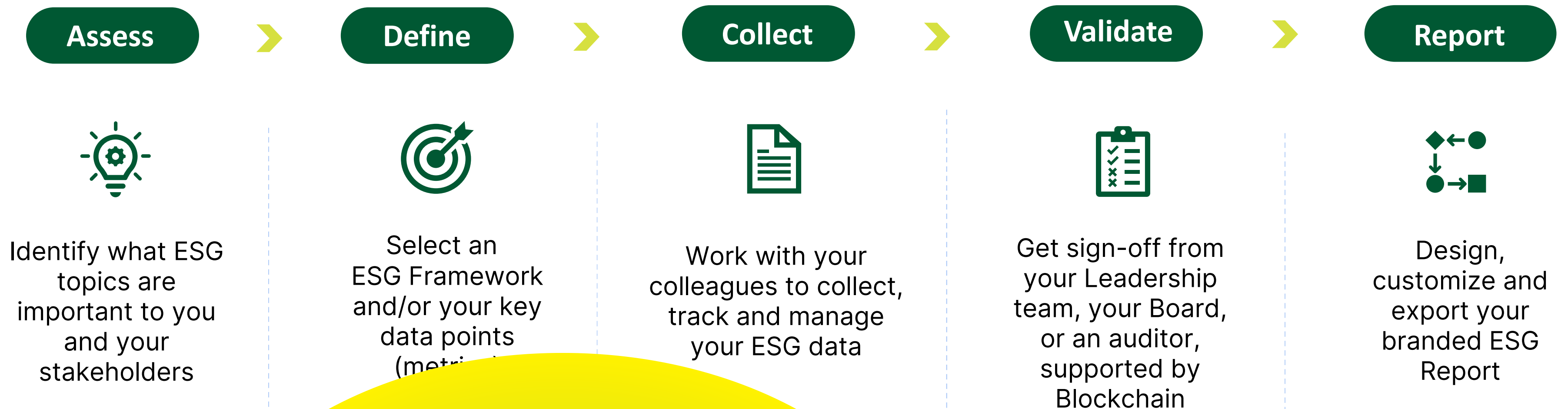
Identify opportunities to improve your operational processes: for example, identifying a particularly energy-intensive site.



TRACK PROGRESS

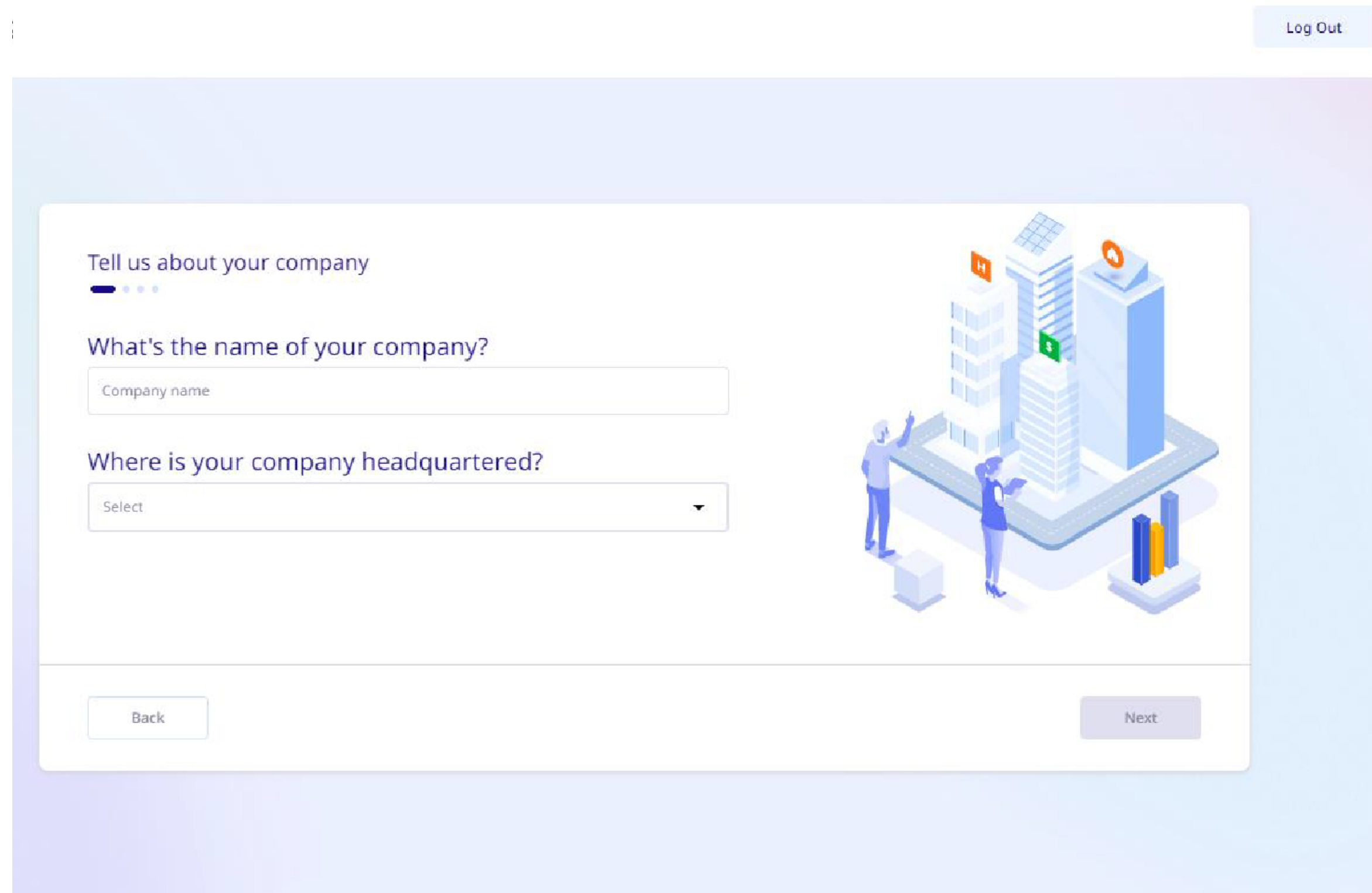
Serves as an annual review against key performance metrics that are probably already identified as important to your company, like absolute weight of assets processed.

With the ESG Impact Hub you can compile, store, validate and then report your data in 5 simple steps



Step 1.0 Sign in via web browser

- Intuitive self-onboarding process
- 5-question mini-survey is all you need to make the right recommendations for your impact hub
- Relevant sustainability topics are built-in, so you can just get started



The screenshot shows a web browser interface for a self-onboarding process. At the top right, there is a 'Log Out' button. The main content area is a white card with a light blue background. The card has a title 'Tell us about your company' with a progress indicator showing the first of five steps is active. Below the title, there are two questions: 'What's the name of your company?' with a text input field labeled 'Company name', and 'Where is your company headquartered?' with a dropdown menu labeled 'Select'. At the bottom of the card, there are 'Back' and 'Next' buttons. To the right of the form, there is an illustration of a city skyline with two people standing in front of it, one pointing at a building and the other looking at a tablet. A small bar chart is also visible in the illustration.

Step 1.1 Materiality Assessment

[Add topics](#)

[Need help? Get in touch with our consultants](#) [AB](#)

**[Company]'s 2022 materiality profile**[Edit profile](#)

Assessment of material topics for Company A in 2022

Environmental: 2 Governance: 1 Labour: 3 Economical: 0 Social: 2

☒ Framework recommendations

Check reporting recommendations by different frameworks

All topics

Explore the full database of material topics

Industry

Coal Mining & Operations

Frameworks

GRI, SASB

Biodiversity

+

Bribery & Corruption

+

Compliance with Laws & Regulations

+

Effective, Accountable & Transparent Governance

+

Emergency & Incident Planning and Response

+

Employment Practices

+

Energy Efficiency

+

Fair Compensation

+

[Materiality profile name] topics

Drag selected topics up & down to rank them

1

Biodiversity

⬆ ⬇ ⬆

2

Climate Change Risk

⬆ ⬇ ⬆

3

Effective, Accountable & Transparent Governance

⬆ ⬇ ⬆

4

Emergency & Incident Planning and Response

⬆ ⬇ ⬆

5

Fair Compensation

⬆ ⬇ ⬆

6

Fair Employment & Grievance Mechanisms

⬆ ⬇ ⬆

7

Forced or Compulsory Labour

⬆ ⬇ ⬆

8

Freedom of Association & Collective Bargaining

⬆ ⬇ ⬆

9

10

11

- Built-in priority or material topics allow you to start understanding your own key focus areas easily

Step 1.2

Collect views from Stakeholders (Optional)

Survey 10-26-2025 14:15:12 

1. Add stakeholders

2. Schedule survey

Add new stakeholder

Name *

Role *

Email *

Category *

Organization *

External *

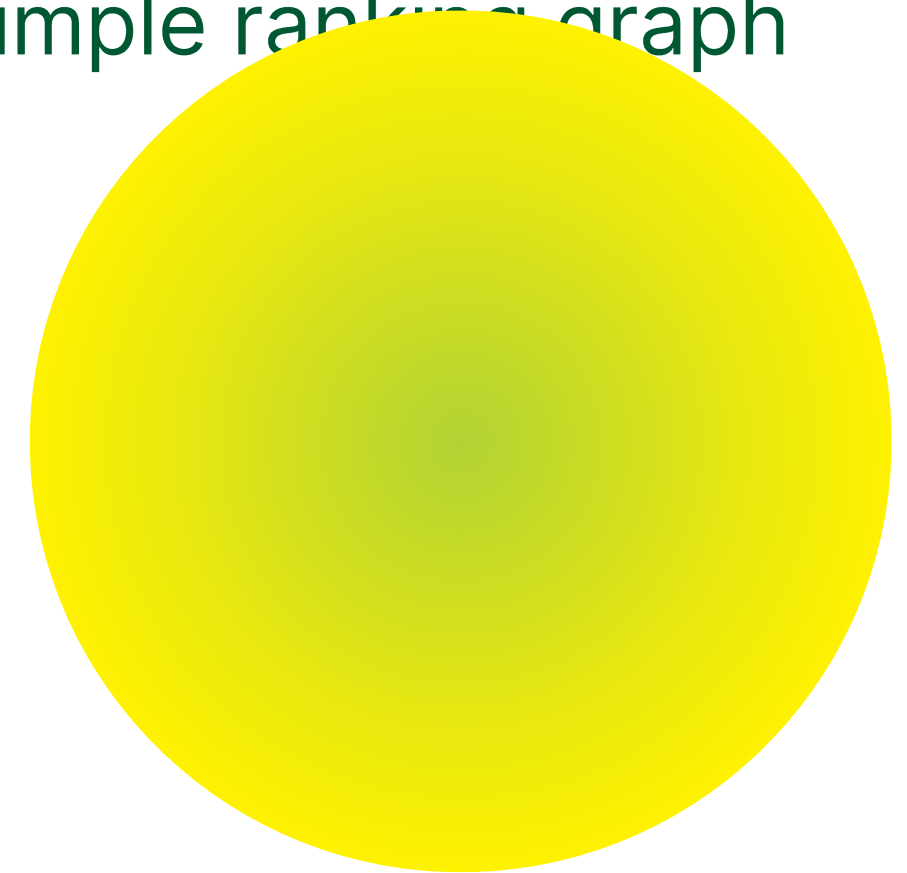
Added



No stakeholders added yet

Added total of 0 stakeholder(s)

- Collect wider views from key stakeholders on your ESG materiality topics to make sure you are focusing on areas that others find important
- View their feedback in a simple ranking graph



Step 1.2

Collect views from Stakeholders (Optional)

Who could be your stakeholder?

Internal: Employees, Board of Directors, etc.

External: Suppliers, Contractors, Customers, Investors, etc.

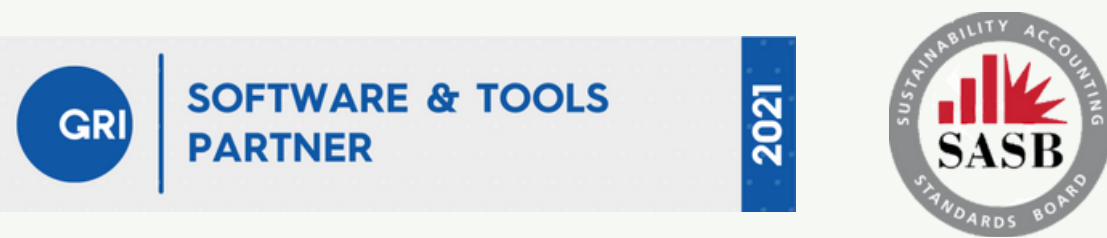
The screenshot shows the 'Engage stakeholders' section of the e-Stewards platform. On the left is a sidebar with a 'Materiality dashboard' icon, a 'Topics' button, and a 'Surveys' button. The main content area is titled 'Engage stakeholders' and features a 'Stakeholder topic ranking' section. This section includes a message: 'You don't have any active survey' with a 'Create survey' button. To the right, a summary box shows 'All surveys' with 0 Draft and 0 Previous survey counts, and a 'See all' button. Below this, there's a section for 'E-Scrap LLC's ranking' with a 'Less important' slider. The main area is currently empty, displaying a large green box with a group icon and the text 'Get your stakeholders' feedback'. At the bottom left, there is an 'Exit' button.

Step 2

Option 1: Pick an Existing Framework (Standardized Methodology)

ESG Frameworks are used to gather ESG data points in a standard way. You may have already been asked to fill out a framework questionnaire by a potential customer or investor. There are many different frameworks depending on your industry, location, and regulatory environment

Most Popular



Listing Requirement



Special Framework



Newly Added



- Variety of Available Reporting Standards
- GRI comes built-into the Hub, and you can opt to pre-load additional frameworks
- Simple templates guide you through framework questions and responses
- Option to build your own frameworks and data points

Step 2

Option 2: Build your own custom framework and data points

The screenshot displays the diginexCLIMATE platform interface. On the left, a sidebar lists categories: Universal, Environmental, Social, and Activity Metrics, each with a list of disclosures and an 'Edit category' button. The main area shows a framework configuration with sections like 'i. Gender', 'ii. Age group', and 'iii. Other indicators'. A 'Select disclosures' modal is open, showing a search bar with 'health' entered, and a list of frameworks including Maritime Framework, Social, WEF, and Comply or Explain: Social. The modal also shows a tree view of disclosures under 'B6 Product Responsibility'.

First template [Edit template name](#)

[Select disclosures](#) [Delete disclosures](#) [Request Data](#) [Upload Evidence](#) [Omit](#)

Universal [Edit category](#)

- ☐ GRI 102-45 Entities included in the consolidated financial statements
- ☐ GRI 102-46 Defining report content and topic Boundaries
- ☐ GRI 102-47 List of material topics
- ☐ GRI 102-48 Restatements of information

Environmental [Edit category](#)

- ☐ Animal Welfare

Social [Edit category](#)

- ☐ GRI 405-1 Diversity of governance bodies and employees
- ☐ GRI 407-1 Operations and suppliers in which the right to freedom of association and collective bargaining may be at risk

Activity Metrics [Edit category](#)

- ☐ TR-MT-000.A Number of Shipping boards employees (FN4)
- ☐ TR-MT-000.B Total distance traveled by vessels
- ☐ TR-MT-000.C Operation days (FN5)

[Back to template management](#)

Select disclosures

Search by disclosure name [Quick filters](#)

Industry Framework

Maritime Framework

Social

- Employee Health & Safety

WEF The World Economic Forum's Measuring Stakeholder Capitalism

Comply or Explain: Social

- B6 Product Responsibility**
 - ☐ KPI B6.1 Percentage of total products sold or shipped subject to recalls for safety and health reasons.
 - B2 Health and Safety**
 - B8 Community Investment**

[Cancel](#) [Save selection](#)

- If you are not sure that a full existing framework is appropriate for your company, you can make your own custom disclosures starting with just a few metrics
- Import some metrics from existing frameworks
- Create custom templates for different customers, RFPs, industries, or projects

Step 3

Collect and Manage Data

Environmental, Social and Governance Report 2022
01-Sep-2022 - 30-Sep-2022

My tags only

Comply or Explain Provisions: Environmental

HKEX - A1 Emissions (0/7)

- ☐ A1 - G General disclosure (0/1)
- ☐ KPI A1.1 Types of emissions (0/1)
- ☐ KPI A1.2 Greenhouse Gas (GHG) emissions Scope 1 & 2 (0/1)
- ☐ KPI A1.3 Hazardous waste (0/1)
- ☐ KPI A1.4 Non-hazardous waste (0/1)
- ☐ KPI A1.5 Emissions target(s) (0/1)
- ☐ KPI A1.6 Waste management (0/1)

HKEX - A2 Use of resources (0/6)

Back

KPI A1.2.a Direct (Scope 1) greenhouse gas emissions (in tonnes) and, where appropriate, intensity (e.g. per unit of production volume, per facility)

Request Data Upload Evidence Omit

Emissions

diginexCLIMATE

Intensity

Add Section

Comments

Enter your comment...

Cancel Submit

Charlene
2 minutes ago
@Charlene Can bills for Scope 2

Continue To Next

- Administer the data collection process in a structured and organized manner
- Tag colleagues, leave comments, add documents in a central spot to enhance collaboration
- Track and trace the progress

Showing Collaborators for		Framework	Total Collaborators	Data completed by	
SaaS Sustainability Report		WEF	7	0	
User	Tagged Section	Last Activity	Progress	Action	
Kaylynn kaylynn.ulhane@diginex.com	C Environment	1/1/2020	it's not started	...	
Marilyn Dias kaylynn.ulhane@diginex.com	D Emission 2016	1/1/2020		...	
Adison Botosh kaylynn.ulhane@diginex.com	D Emission 2016	1/1/2020		...	
Lydia Septimus kaylynn.ulhane@diginex.com	C Environment	1/1/2020		...	
Alfonso Passaquindici Arcand kaylynn.ulhane@diginex.com	D Emission 2016	1/1/2020		...	
Justin Siphron kaylynn.ulhane@diginex.com	C Environment	1/1/2020		...	
Rows per page 10		1-7 of 7		← →	

Step 4

Validate your data



✓ Introduction

✓ Material Topics

✓ Select Sections

✓ Data Input

✓ Customize Report

✓ Preview

▶ Sign-Off

○ Complete

Sustainability Report 31-12-2020

1/1/2020 - 1/31/2020

Invite Team MembersRequest Data Summary

AB

Invite Approvers

If you need the report to be signed off before publishing, invite the approvers or skip approval.

Send Invite

Recent Contacts

☒  Jane Doe
jane.doe@diginex.com

☒  Jane Doe
jane.doe@diginex.com

☐  jane.doe@diginex.com

☐  jane.doe@diginex.com

Send Invite

Review Request Summary

Congratulations! Your report is completed. It is pending sign-off before getting published. You will receive a notification when your report is approved.

	Jane Doe jane.doe@diginex.com	Approval Rejected	1/1/2020 16:40	...
	Jane Doe jane.doe@diginex.com	Pending Approval	1/1/2020 16:40	...
	Jane Doe jane.doe@diginex.com	Approved	1/1/2020 16:40	...
	Jane Doe jane.doe@diginex.com	In Progress	1/1/2020 16:40	...

Revoke All Invites Resend All Invites

Delete Report

Save & Exit

Back

Publish

- Get sign-off from your approvers, such as the Board, CEO, or an auditor
- Blockchain-enabled audit trail

Goodcorp Sustainability Report 2021

Blockchain Events History

Date	3/6/2021
Report Audit Log	Goodcorp Sustainability Report 2021_auditlog_20210306_014048.xlsx
Blockchain	Tezos
Algorithm	Sha256
Block number	496697
Transaction Hash	ooghqmg36QBeP1iq6J7qWa2dDmJyhaWwU6 EWKhE2NnBxAQZacKu
File Hash	e3b0c44298fc1c149afb4c8996fb92427ae41 e4649b934ca495991b7852b855

Step 5

Design and generate your report

Customise your report cover

Select a cover image and cover layout

+ Preview

Upload logo

☒ Ask corporates to upload their own logo

Select a cover image*



Select a cover layout*



Congratulations! Your report is completed.

You can Download or Share your report below, or access the reports under [Publish Reports](#) tab.



Update

Download

Share

- Customizable templates

ESG

Impact Hub

presented by



Launch Pricing and Next Steps...

The Annual Subscription includes a) basic materiality assessment for your company and b) six hours of complimentary onboarding time from our Senior ESG Expert.

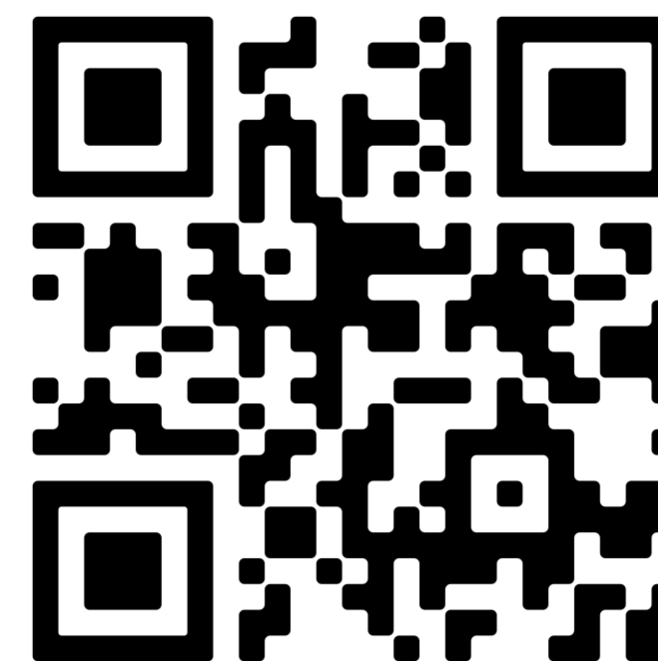
The Expert will support you in the process.

Annual Subscription: ESG Impact Hub

\$6K for e-Stewards Certified
 or Launch Cohort companies

\$7K for all Others in 2027

scan me!



Thank you.



Jim Puckett
jpuckett@ban.org
Seattle, WA. USA



Bloom.

Questions?