

ESG for ITADS

June 2026
Frankfurt



Bloom.

E-WASTE
WORLD
EXPO

BATTERY
RECYCLING
EXPO

METAL
RECYCLING
EXPO

ITAD &
CIRCULAR
ELECTRONICS
EXPO





Bloom.





2025 / New Tsunami of e-Waste Flooding Asia



BAN Releases 2 - Yr. Study Showing US Industry Still Plagued e-Waste Trafficking

The New Tsunami of
American e-Waste Exports to Asia

October 15, 2025



10 BROKERS

1. Attan Recycling
2. Corporate eWaste Solutions (CEWS)
3. Creative Metals
4. EDM
5. First America Metals
6. GEM Lifecycle Solutions
7. Greenland Resource
8. IQA Metals
9. PPM
10. Semsotai







So, I asked AI the following question:

What would you say about electronics recyclers that spend a lot of resources touting their ESG bonafides while exporting electronic wastes to substandard operations in developing countries?

And this was the response:

- I'd say that's a case of **greenwashing**.
- For electronics recyclers, the contradiction is especially glaring. They may highlight carbon savings, circular economy initiatives, or community engagement but in reality they are shifting the environmental and human health burden to vulnerable communities.
- This undermines both the “E” (environmental) and the “S” (social) pillars of ESG. It also raises governance concerns if firms knowingly misrepresent their practices.

And this was the response:

- Ethically and reputationally, it's damaging. Regulators, watchdog groups, and increasingly investors are scrutinizing these contradictions.
- 👉 In short: promoting ESG while dumping e-waste abroad is misleading at best, exploitative at worst, and ultimately corrodes trust in the ESG framework itself.

ESG in Short

ESG reporting transforms a company's environmental, social, and governance practices from invisible internal realities into accountable, comparable, and market-legible signals that drive better capital allocation, stakeholder trust, and long-term risk management.

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

presented by



What is ESG Data, an ESG Hub and ESG Report?

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 it and when 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 like customers, financing partners, or potential 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 more advanced.



IDENTIFY OPPORTUNITIES

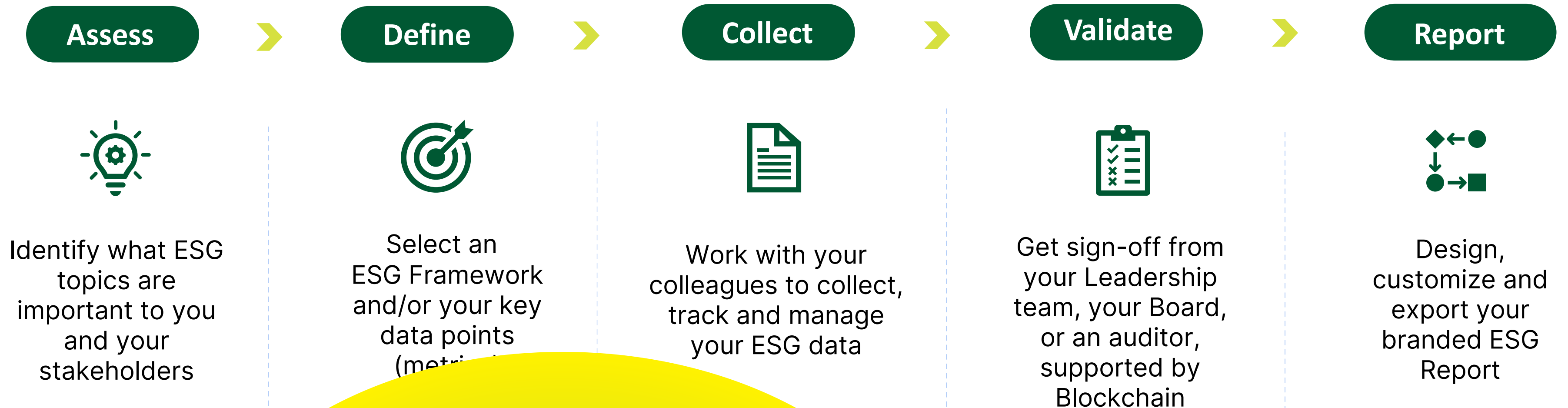
Identify opportunities to improve your operational processes: for example, identifying a particularly energy-intensive site.



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 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

Log Out

Tell us about your company

What's the name of your company?

Company name

Where is your company headquartered?

Select

Back

Next

An illustration of a city skyline with several skyscrapers in shades of blue and green. Two stylized human figures are standing in front of the buildings; one is pointing upwards and the other is looking at a tablet. To the right of the buildings is a small bar chart with three bars of increasing height, colored blue, yellow, and blue. The entire illustration is set against a light blue background with a subtle grid pattern.

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

Search

☒ 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 *

Name

Role *

Role

Email *

Email

Category *

Category

Organization *

Organization

External *

External

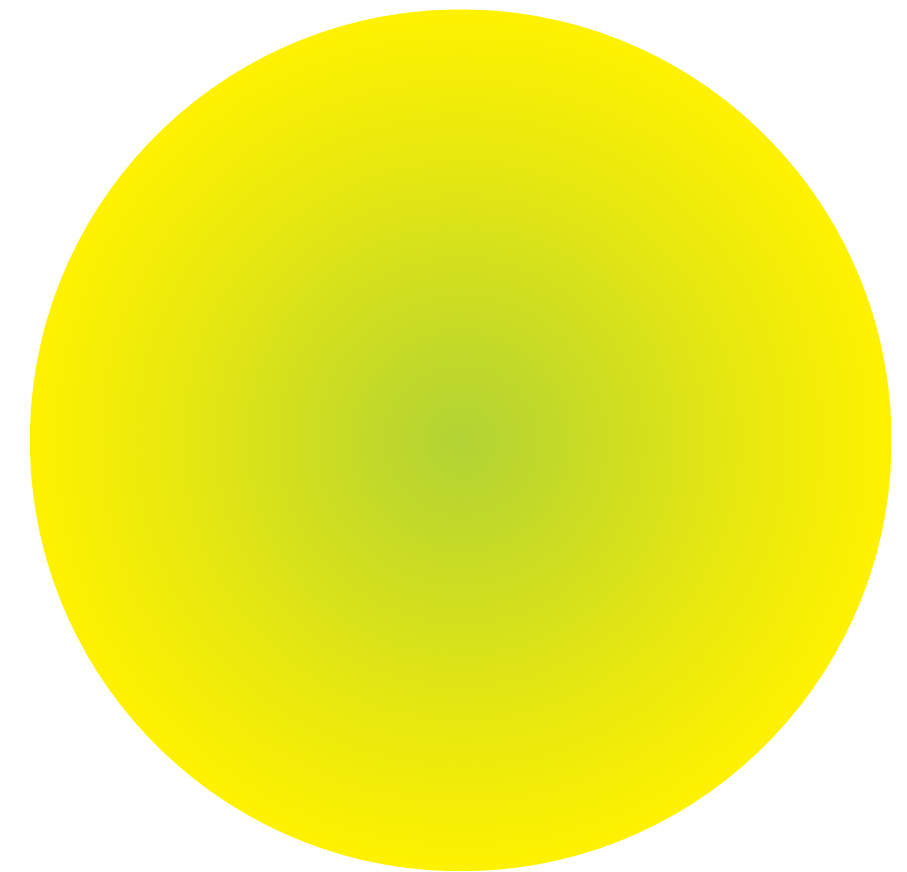
Added



No stakeholders added yet

Added total of 0 stakeholder(s)

- Collect wider views from key stakeholders on your key ESG 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 eStewards platform. On the left is a sidebar with three options: 'Materiality dashboard' (selected), 'Topics', and 'Surveys'. The main content area is titled 'Engage stakeholders' and features a 'Stakeholder topic ranking' section. A yellow banner states '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, and a 'See all' button. Below this, a chart titled 'E-Scrap LLC's ranking' is shown with a 'Less important' label and a single data point. A large yellow box at the bottom contains a group icon and the text 'Get your stakeholders' feedback'. An 'Exit' button is located at the bottom left of the interface.

Step 2

Option 1: Pick an Existing Framework

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



SOFTWARE & TOOLS
PARTNER

2021



Listing Requirement



Special Framework



Newly Added

ISSB



- 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 framework and data points

Step 2

Option 2: Build your own custom framework and data points

The screenshot displays the 'First template' interface. On the left, a sidebar lists categories: Universal, Environmental, Social, and Activity Metrics. The main area shows a 'Select disclosures' modal with a search bar containing 'health'. The modal lists several frameworks: Maritime Framework, Social (with a sub-item 'Employee Health & Safety'), WEF The World Economic Forum's Measuring Stakeholder Capitalism, and a 'Comply or Explain: Social' section. Under 'Comply or Explain: Social', there are sub-sections: B6 Product Responsibility (with a checkbox for 'KPI B6.1 Percentage of total products sold or shipped subject to recalls for safety and health reasons.'), B2 Health and Safety, and B8 Community Investment. The modal also includes 'Quick filters' and 'Add section' buttons. At the bottom of the modal are 'Cancel' and 'Save selection' buttons.

- If you are not sure that a full existing framework is necessary 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

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

SaaS Sustainability Report

Framework

WEF

Total Collaborators

7

Data completed by

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*

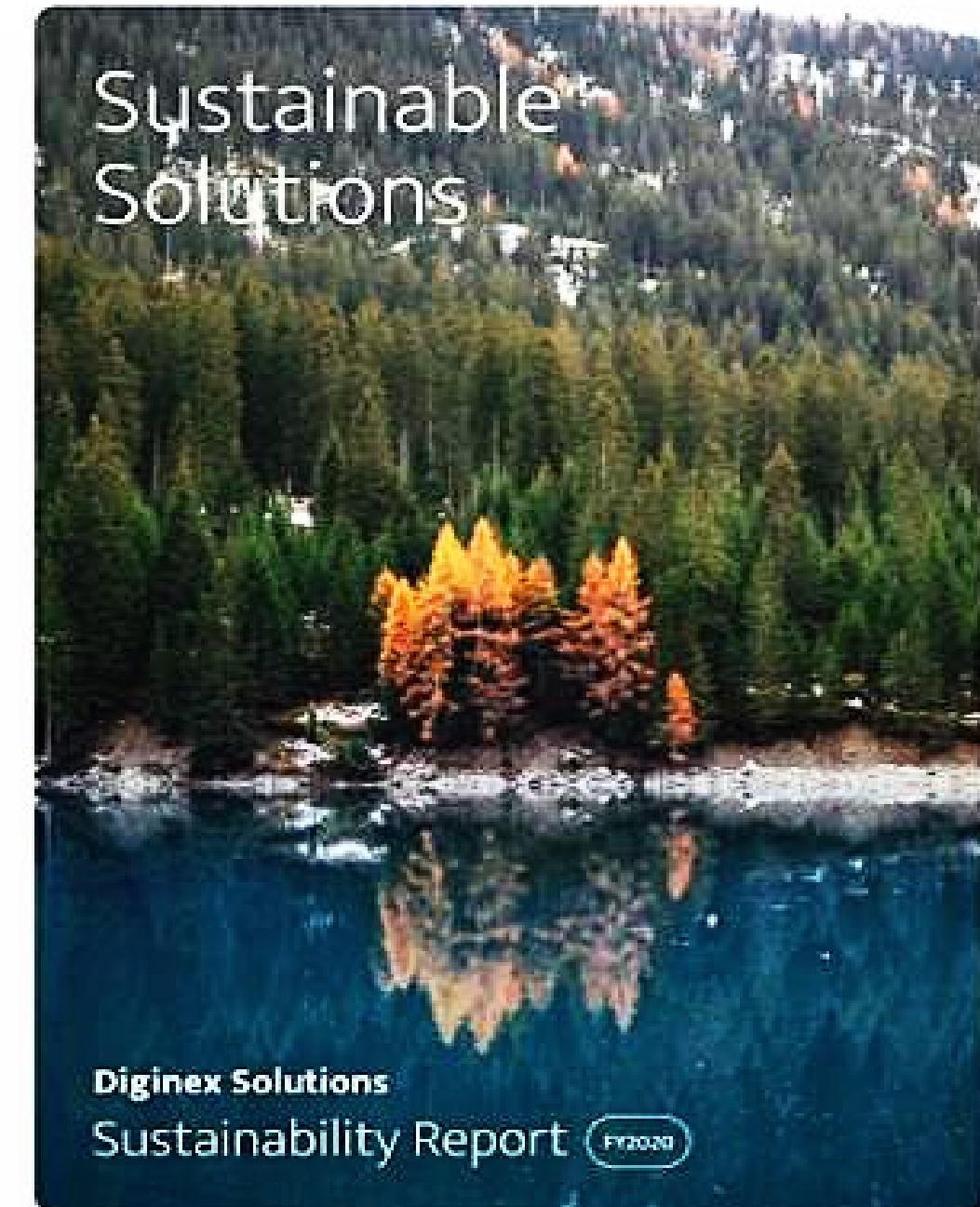


- Customizable
- Export data in various formats (Word templates and Excel)



Congratulations! Your report is completed.

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



Update

Download

Share

ESG

Impact Hub

presented by



Pricing and Next Steps...

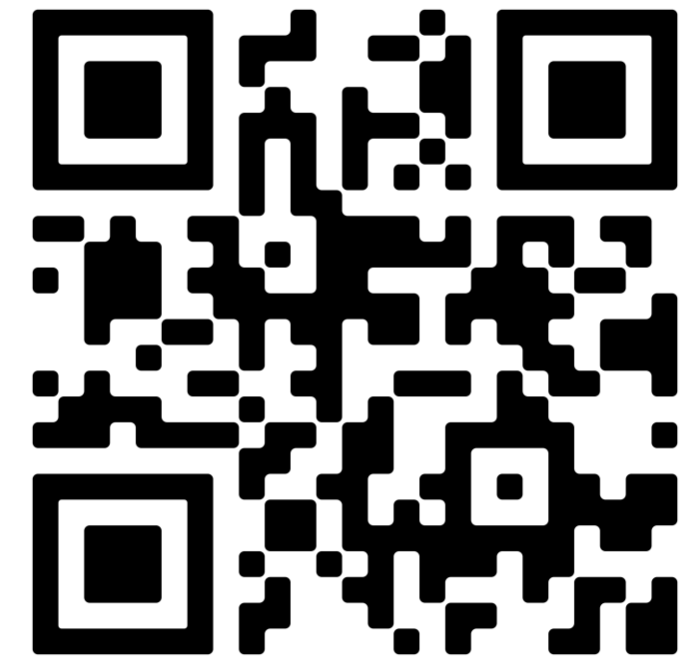
The Annual Subscription includes a) basic materiality assessment for your company and b) six hours of complimentary onboarding time from our Senior ESG Expert.

The Expert will walk you through and support you in the process.

Annual Subscription: ESG Impact Hub

\$6,000	for e-Stewards Certified or Launch Cohort companies
\$7,000	for All Others

scan me!



Thank you.



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

Bloom.

**E-WASTE
WORLD
EXPO**

**BATTERY
RECYCLING
EXPO**

**METAL
RECYCLING
EXPO**

**ITAD &
CIRCULAR
ELECTRONICS
EXPO**

June 2026
Frankfurt



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

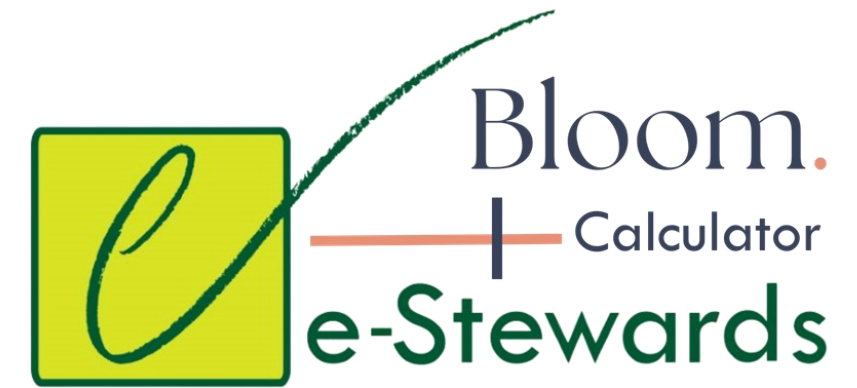




PARTNERSHIP ANNOUNCEMENT

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.



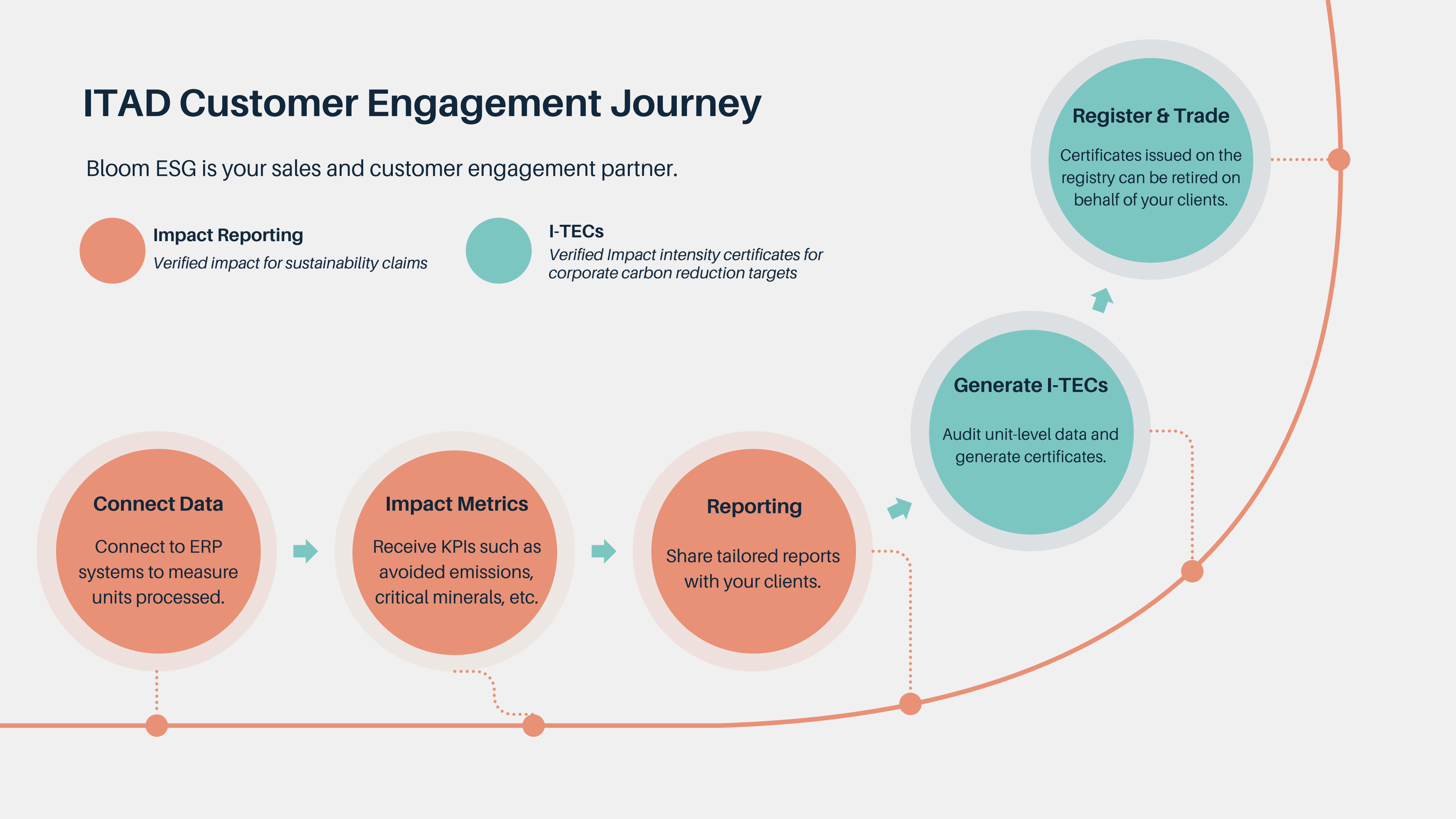
Generate I-TECs

Audit unit-level data and generate certificates.



Register & Trade

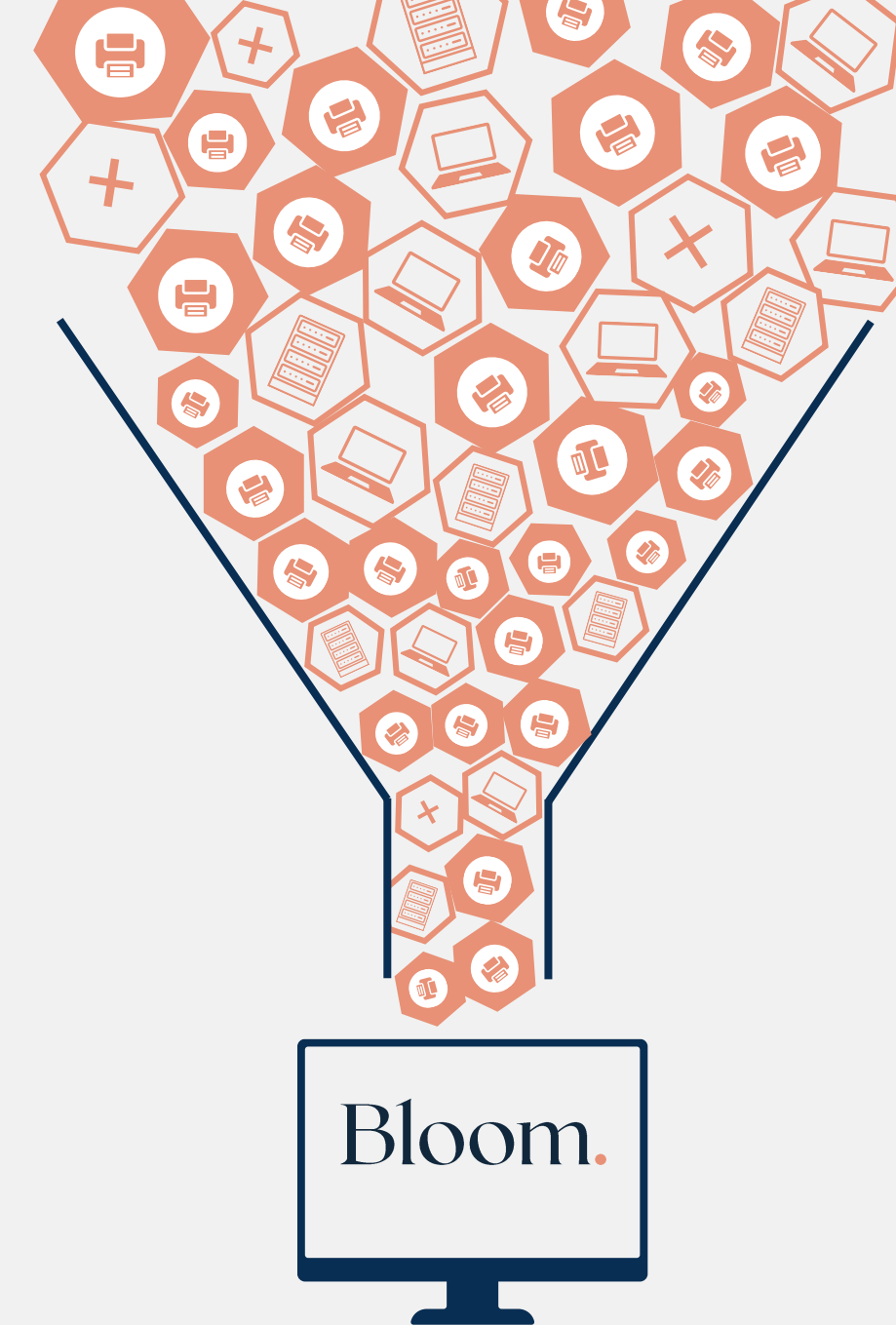
Certificates issued on the registry can be retired on behalf of your clients.





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.



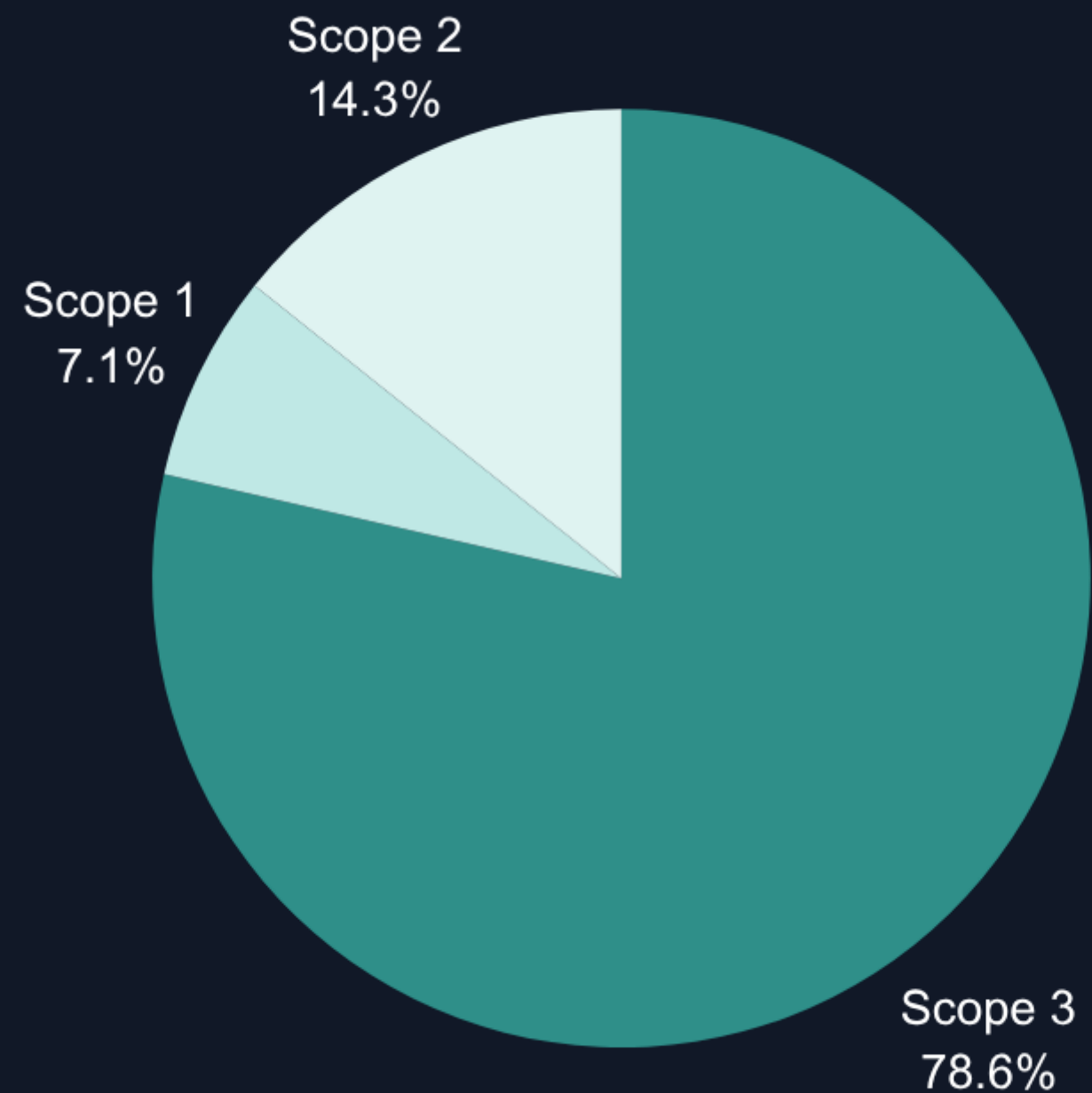
Impact reporting for thousands of assets and commodities

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.***

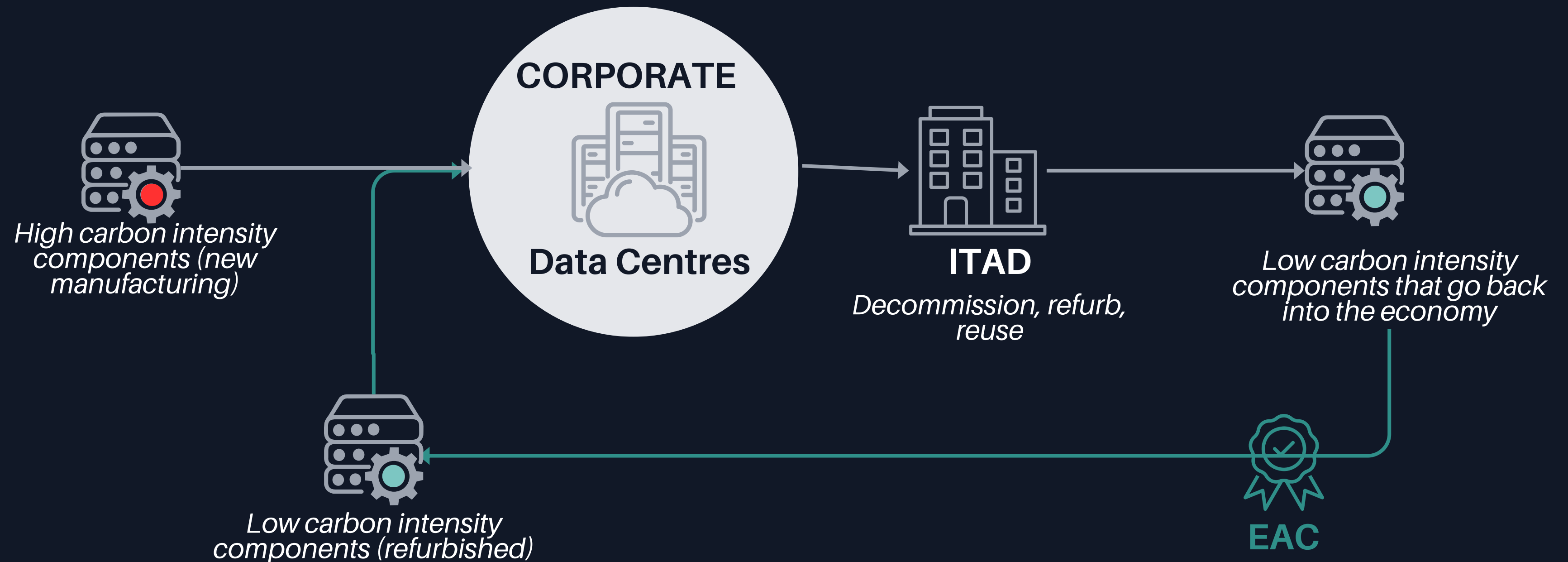
Many of your corporate clients have set **aggressive targets** to reduce Scope 3 emissions.

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

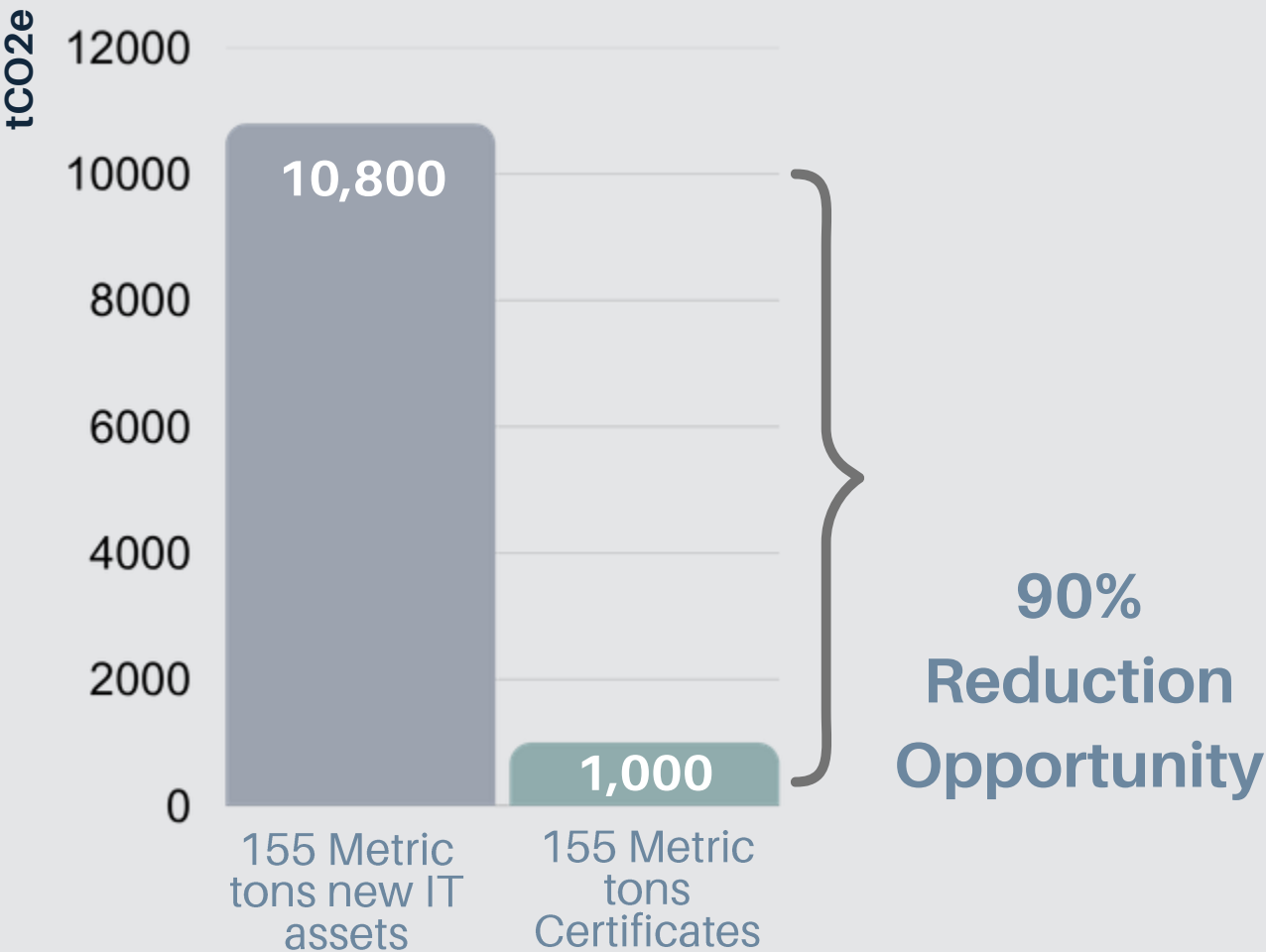
Company purchases
155 metric tons EAC certificates

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

sebastian@bloom-esg.com

+44 (0) 78 41 97 33 70

London, UK

Greenwich Mean Time (UCT)