

ESGpedia

Data-Driven Sustainability for Asia

ESGpedia Pilot

For the Single AccessPoint for ESG Data (SAFE) Platform



We support the diverse needs of different personas, who are part of an interlinked value chain



net zero



Small & Medium Enterprises



Lowered barrier with easy-to-submit ESG disclosure aligned with industry requirements

Large Corporates



Enhanced supply chain traceability to support mandatory Scope 3 disclosures

Financial Institutions



Increased ability to scale green financing, decarbonize portfolios and manage ESG regulations

The ESGpedia ecosystem

ASEAN

Partners with Sustainable Finance Institute Asia and stakeholders in ASEAN countries on piloting the **Single AccessPoint for ESG Data (SAFE) Platform**. The SAFE Community has been formed through the collaboration from participating ASEAN members coming from different public and private sectors (e.g. Banking, Capital Markets, Insurance etc). (2023)

Singapore

STACS is the official partner of the Monetary Authority of Singapore's (MAS) Project Greenprint, building industry-wide ESG Registry. (2021)

Partners with Razer to deploy digital carbon footprint and credits management system for its entire global consumer base to facilitate end-to-end traceability. Average >1300 live transactions per month on our platform. (2022).

Accepted into Infocomm Media Development Authority (IMDA) SPARK Program (2023)

China

STACS announced as a member of the official PBoC-MAS China-Singapore Green Finance Taskforce, facilitating Green financial products between both countries, targeting Green Infrastructure, decarbonization and trade. (2023)

Philippines

STACS supports PDS Group (The Philippine Dealing System Holdings Corp, the national Central Securities Depository) to launch their live DLT-based **digital depository and registry system** for its capital markets, empowering greater system resilience, and multiple redundancy. (2022)

Thailand

Partnering with both Electricity Generating Authority of Thailand (EGAT) and Thailand Greenhouse Gas Management Organization (TGO) in projects to utilize ESGpedia for enhancing traceability of carbon credits and RECs, to drive ESG investment both in Thailand and ASEAN. Discussions with BOT, SEC and SET on potential pilot projects. (2022-23)

Partnering the United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) based in Bangkok to launch and host an SME-targeted ESG self-assessment on the ESGpedia platform to promote greater sustainability throughout APAC. (2023)

 **PDS Group**
Philippine Dealing System Holdings Corp. & Subsidiaries

 **EGAT**  **TGO**

 **UNESCAP**
United Nations Economic and Social Commission for Asia and the Pacific



Corporates & Non-Financial Institutions Partners



Financial Institution Partners

SAFE Pilot Scope (Q3 2023)

Objectives

To promote greater sustainability efforts amongst companies in ASEAN by:

1. Providing a digital platform to streamline ESG management, assessment, reporting and monitoring efforts
2. Partnering financial institutions to provide an incentive mechanism for organisations to become more sustainable

Target Participants

SMEs

Large Corporates

Financial Institutions

Benefits of joining at Pilot stage

Pilot partners will have the opportunities to be leaders in their domain in ASEAN, and enjoy the following benefits:

1. Early visibility of the platform, with useful results for the pilot participant (create ESG profile, achieve financial deals etc)
2. Achieve results without any costs (ESGpedia will not charge fees during Pilot)
3. Possible participation in upcoming showcase events

Scope

1. Digital Reporting Platform across a range of frameworks and standards for organisations with varying levels of ESG maturities, from SMEs to Large Corporates

- CDP SME Questionnaire
- ESCAP Sustainable Business Network (ESBN) Green Deal in partnership with UNESCAP, with Green, Silver and Gold EBSN Badges for recognition.
- GRI, TCFD, SASB, ISSB
- Multi-language support, with OCR/ML data extraction technology



2. Harmonised ESG profile aggregated across disparate sources to provide a holistic picture of SME/Corporates' ESG efforts

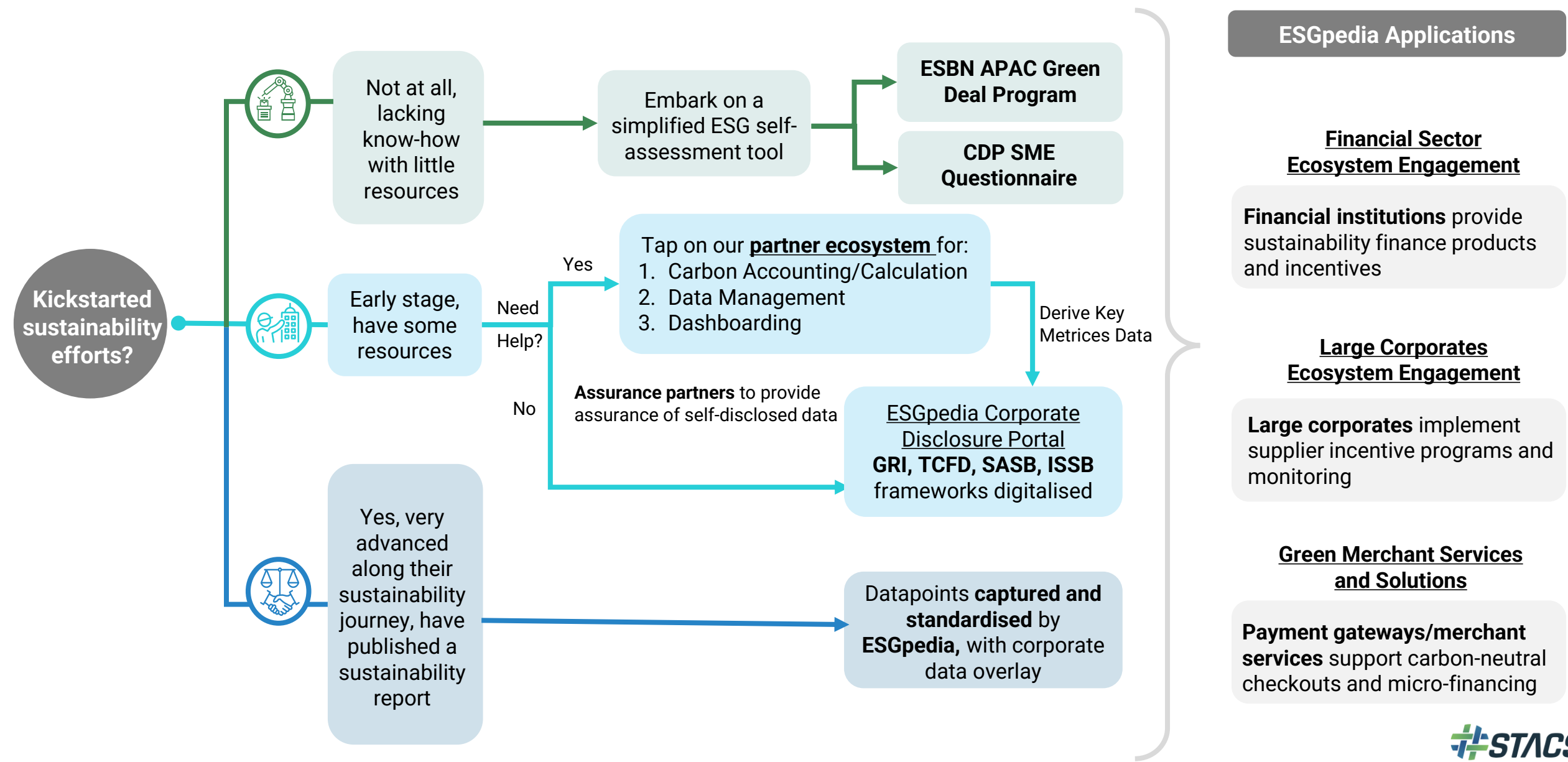
- Corporate Data Overlay
- ESG Disclosures across key sustainability metrics
- ESG Certificates, Credentials
- Carbon Credit Activity

3. Affiliate services that Pilot Participants can tap on:

- Carbon Calculation/Accounting
- Green Merchant services and solutions
- Data Verification and Assurance services

4. Training, Support and Onboarding

ESGpedia has a strong ecosystem in place to build capacity and support organisations at varying maturities along their sustainability journeys



We have partnered with the UN to establish an ESG program for SMEs to kickstart their sustainability journey.

STACS is partnered with the UNESCAP to establish the **ESBN APAC Green Deal Program** on ESGpedia

We understand the resource constraints of SMEs and want to **lower the barriers of sustainability** for them



About UNESCAP

The United Nations Economic and Social Commission for Asia and the Pacific (UNESCAP) promotes cooperation among countries to achieve **inclusive & sustainable development** in APAC

About ESBN APAC Green Deal Program

The ESCAP Sustainable Business Network (ESBN) APAC Green Deal advocates for **business leadership** in implementing the **2030 Agenda for Sustainable Development**.

SMEs do not have the know-how to fill up 100-page long questionnaires. Hence, we have created and digitalized a **simplified ESG self-assessment** on ESGpedia.



Target Audience:

SMEs in the APAC Region



Purpose of the program:

To encourage SMEs to start their sustainability journey, through providing a digital, self-directed platform for them to assess their ESG efforts.

The ESNB Green Deal digital platform is live today.



ESBN
We support
Asia-Pacific
Green Deal
for Business
ESCAP SUSTAINABLE BUSINESS NETWORK INITIATIVE

GOLD

ESBN
We support
Asia-Pacific
Green Deal
for Business
ESCAP SUSTAINABLE BUSINESS NETWORK INITIATIVE

SILVER

ESBN
ESCAP Sustainable Business Network

▶ Step-by-step tutorial guide

ESBN Asia-Pacific Green Deal for Businesses

ESG self-assessment tool

ESGpedia
by **STACS**
NEXUS OF ESG FINANCE

Click on image for 3-min video tutorial

The ESN Green Deal digital platform is live today.

✓ Pillar 2: Infrastructure - Building smart, low carbon, water-secure and climate-resilient cities, infrastructure and mobility

Scope 1 & 2 Emissions Result
Revenue - USD per million

Scope 1 emissions - kg CO₂e
Scope 2 emissions - kg CO₂e
Emissions intensity - kg CO₂e / USD1MM

Scope 1, 2 and 3 - Emissions

Fill Asset Name Select a Country

2.1 Scope 1 Emissions

2.1.1 Mobile Asset Combustion
By Fuel Consumption By Distance Travelled

2.1.2 Non-mobile / Stationary Asset Combustion

	Value	Calculated
Liquid Fuels		
Gas/Diesel - L		0
Gasoline/Petrol - L		0
Residual fuel oil - L		0
Refinery gas - kg		0
Liquefied petroleum gases (LPG) - kg		0
Gaseous Fuels		
Gas works gas / Town gas - kg		0
Natural gas - kg		0

2.2 Scope 2 Emissions

	Value	Calculated
Electricity from grid - kWh		0
Renewable energy certificates (RECs) - kWh		0

2.3 Scope 3 Emissions (Business Air Travel Only) (Optional)
Emissions from business air travel - kg CO₂e

+ Add for another Asset

Activities

2.4 Water Usage
Water usage - M³

2.5 Waste Disposed
Non-hazardous Waste - kg
Hazardous Waste - kg

2.6 Green Building Operations / Ownership
Does your company own green-certified buildings?

2.7 Climate Resilience
Does your company implement any measures to address physical risks?
Does your company have sustainability commitments, along with corresponding strategies to achieve these commitments?

- Emission conversion factors are built in to **automatically derive the carbon emissions**
- Conversion factors are **localized** to cater to different countries in APAC
- **Guidance notes** are provided to help companies navigate the self-assessment

Creating an ESG Profile on...

ESGpedia

Sustainability Data is amplified to a **wider audience**



Corporates



Investors



Financiers

KEY OUTCOME:

Greater visibility of SMEs' sustainability efforts along the entire value chain.

Enabling...



...Greater **visibility** into **supply chains** and sustainability efforts to buyers



...Financial institutions to scale green financing to more businesses through **supply chain financing**

ESBN badges are awarded as a form of recognition to incentivise the sustainability performance of SMEs.

Green Badge



Sign up and declare support for the APAC Green Deal

Silver Badge



To provide at least one year of submission data

Gold Badge



To provide at least 2 years of data and demonstrate improvement in the latest year

Incentivising SMEs to improve their sustainability performance....

For corporates ready for full reporting, we leverage on our existing capabilities and expertise to streamline reporting...



ESGpedia possesses **extensive expertise** in sustainability **data collection, reporting** and **data management** capabilities, and interoperability with strategic partners.

Convertability: Conversion of datasets between frameworks, with ready expansion of **mapping capabilities** through codification and strategic partnerships with other platforms

Native Reporting with flexible adoption of required frameworks
– ISSB, GRI, TCFD, SASB, CDP SME. Pre-filling to be supported with existing ESGpedia data-sets

Demonstrated interoperability with 3rd party platforms for immediate servicing with ready solutions

Data Collection: We already **capture and aggregate 5 million sustainability datapoints** (and growing) through disclosure tools and data aggregation from verified sources



Assurance of **data privacy** with users granted full autonomy on data sharing through data consent mechanism

Guided User Experience in Our ESG Reporting Platform



Highly time-consuming
& resource-intensive process



- Complex standards with hundreds of pages of PDFs to navigate
- Companies have to navigate to different sections of questions to fill in depending on their sectors and materiality topics

ESGpedia

Admin

My Profile

Data Vault

Company Details | **ESG Assessment** | Data Vault

← Back

GRI Standard Framework

Reported Year :

For the Year ended:

GRI Universal Standard - GRI 2: General Disclosure 2021	GRI Sector and Topic Standard	GRI Content Index
GRI 2: General Disclosure 2021		
1. The organization and its reporting practices ⓘ >		
2. Activities and workers ⓘ >		
3. Governance ⓘ >		
4. Strategy, policies and practices ⓘ >		
5. Stakeholder engagement ⓘ >		

EN English (United States)

Restart

We dissect the standards so that you don't have to

- The ESGpedia corporate disclosure portal **guides users every step of the way** and filters out irrelevant questions so that you can focus on reporting what is necessary
- **Curated set of questions** based on your sector
- **User-friendly interface with intuitive navigation**
- **In-platform prompts and tips** to ensure comprehensive reporting
- **Interoperability and integrations** with 3rd-party platforms supported

We aggregate these data across disparate sources to harmonise them into corporates' sustainability profiles.

Company Details More Info

Company Name IOI CORPORATION BERHAD Company ABCDE	Registration Number 196901000607	Badges Obtained (0)
Registration Number Type Companies Commission of Malaysia Registration Number (MY)	LEI Number -	DUNS 652029851
Country of Incorporation Malaysia	Sector Offices of Other Holding Companies	No. Of Employees: More than 500
Revenue (USD) 3 - 5 million	Profile Status Verified	

Resolution and harmonisation of entity's disparate data by **AI-powered engine** into **entity's single ESG profile**, harmonised with corporate data

One-stop view of all ESG efforts by the company across registries (certificates, credentials, reports, disclosures points e.g. Scope 1, 2, 3, carbon intensity)

ESG Certificates (32) Show Uploaded

Certificate Framework	Certificate Issuer	Certificate Sector	Original Certificate ID	Asset	Certificate Type
RSPO	Control Union Certifications (Malaysia) Sdn. Bhd.	Agriculture	CU-RSPO SCC-875722	IOI Pan Century Oleochemicals Sdn Bhd	Supply Chain Certification (SCC) Standard
MSPO	BSI Services Malaysia Sdn Bhd	Agriculture	MSPO 700802	Kahang Estate	Oil Palm Management Certification
MSPO	BSI Services Malaysia Sdn Bhd	Agriculture	MSPO 700802	Mamor Estate	Oil Palm Management Certification
MSPO	BSI Services Malaysia Sdn Bhd	Agriculture	MSPO 700802	Pamol Timur Estate	Oil Palm Management Certification
RSPO	Control Union Certifications BV	Agriculture	CU-RSPO SCC-845583	IOI Oleo GmbH ? Produktionsstandort Witten	Supply Chain Certification (SCC) Standard
MSPO	BSI Services Malaysia Sdn Bhd	Agriculture	MSPO 700802	Pamol Barat Estate	Oil Palm Management Certification
MSPO	BSI Services Malaysia Sdn Bhd	Agriculture	MSPO 700802	Swee Lam Estate	Oil Palm Management Certification
MSPO	BSI Services Malaysia Sdn Bhd	Agriculture	MSPO 700802	Unijaya Estate	Oil Palm Management Certification
RSPO	Control Union Certifications (Malaysia) Sdn. Bhd.	Agriculture	CU-RSPO SCC-875713	Pan-Century Edible Oils Sdn Bhd (IOI)	Supply Chain Certification (SCC) Standard
RSPO	Control Union Certifications BV	Agriculture	CU-RSPO SCC-845583	IOI Oleo GmbH	Supply Chain Certification (SCC) Standard

1 - 10 of 32 results

ESG Reports (4)

Report Framework	Type	Year Of Publication
SASB	Integrated Sustainability Report	2021
SASB	Corporate Responsibility Reports	2020
TCFD	Sustainability/ESG Report	2021
SASB	Sustainability Report	2022

1 - 4 of 4 results

ESG Scores (2)

Framework	Type	Year	Score
CDP	Water Security	2022	A
CDP	Climate Change	2022	A

1 - 2 of 2 results

ESG Memberships (1)

Membership	Status	Certificate Expiry Date
SGBC	Active	31-12-2023

1 - 1 of 1 result

Carbon Credits (0)

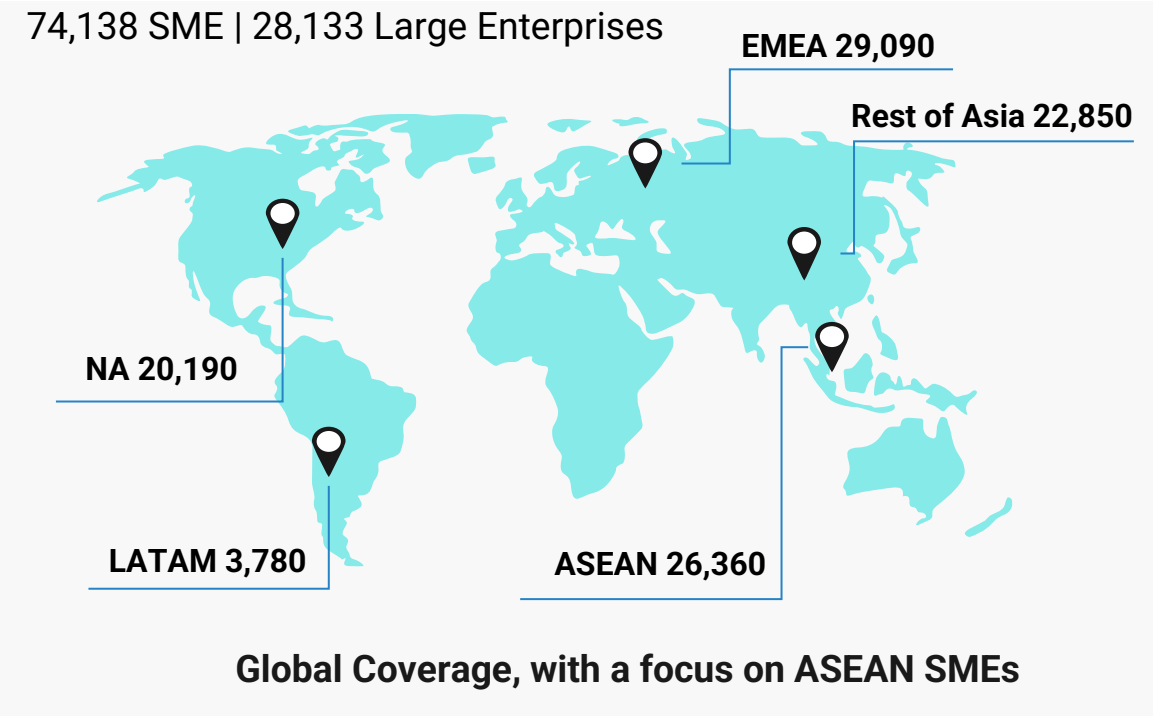
A snapshot of our progress thus far.

>102K
Verified*
Companies

>470K
ESG
Certificates

>39K
ESG
Credentials

>5M
Sustainability
Data points



*Standardised and unified profiles with corporate data overlay

We collect data from a vast range of verified sources.

The breadth of our data coverage is growing everyday.

470K

ESG
Certificates



ESG Certifications

470,000 ESG Certs

>35 International certification bodies

- Cross Sectors
- Cross Countries
- Cross Registries

39K

ESG
Credentials



ESG Credentials

>39,000 ESG Credentials

- **ESG Memberships**
(e.g. BCI, USSEC Memberships)
- **ESG Targets**
(e.g. SBTi)
- **ESG Scores**
(e.g. CDP Scores)

5M

Sustainability
Data points



Sustainability Disclosures

>5M Sustainability Data Points

- **Sustainability Reports** –
GRI | TCFD | SASB
- **Corporate/SME Disclosure Tool** –
UNESCAP ESNB | UNGC | ERQ
- **Carbon Footprint Calculation** –
Product SKU | Spend/Activity-based
- **Carbon Reporting & Verification**

We build solutions on top of these data to help users derive actionable insights.

Green Credentials Checker



Verification of a company's holistic ESG profile, including green certifications, credentials, key data metrics

Conditional Screening/ Monitoring



Creation of a portfolio of any number of companies/ assets, with self-defined conditions & indicators, automated alerts

Taxonomy/ Framework Analysis



Provides analysis of standing towards selected conditions and frameworks (e.g. green financing, green regulations, taxonomies)

Supplier Sustainability Monitoring



Supports the verification of certificates and credentials in multiple industry standards, at asset/product level

Benchmarking Analysis



Sector-specific, geography-specific benchmarking and industry averages.

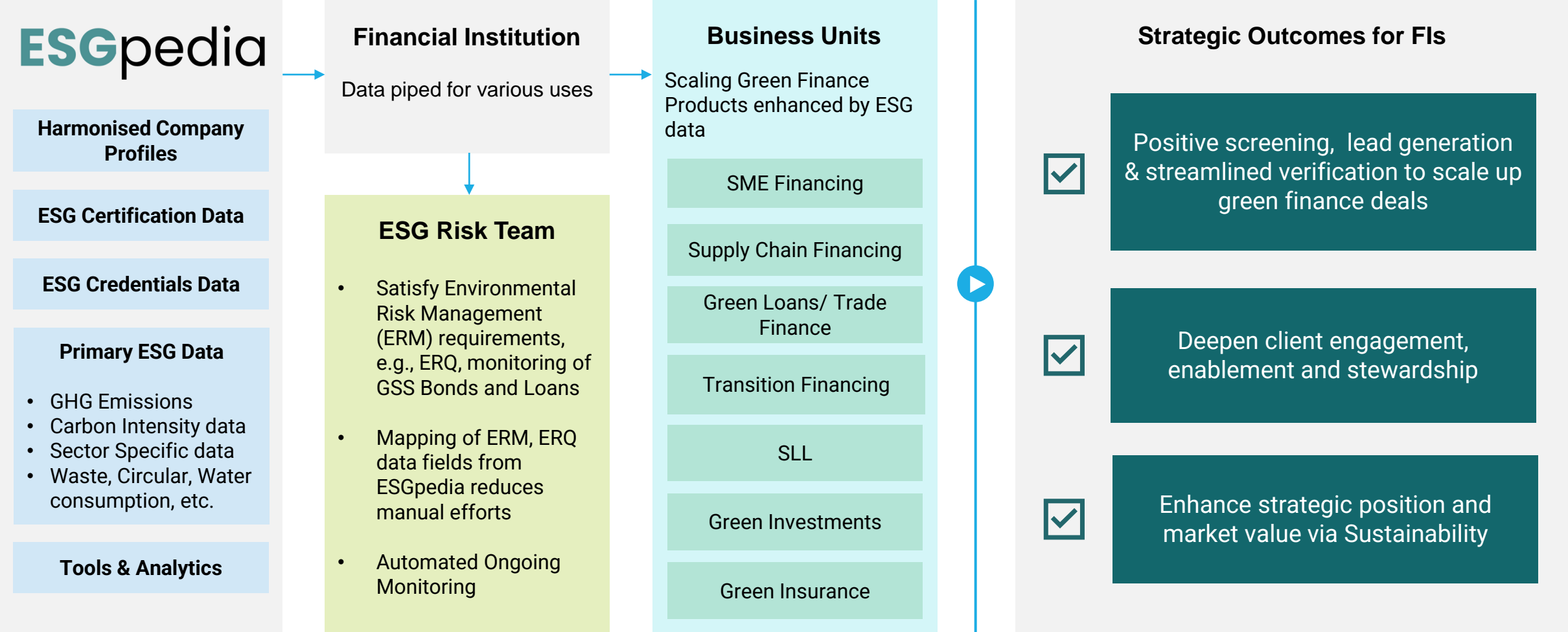
Powered by
strong
connectivity



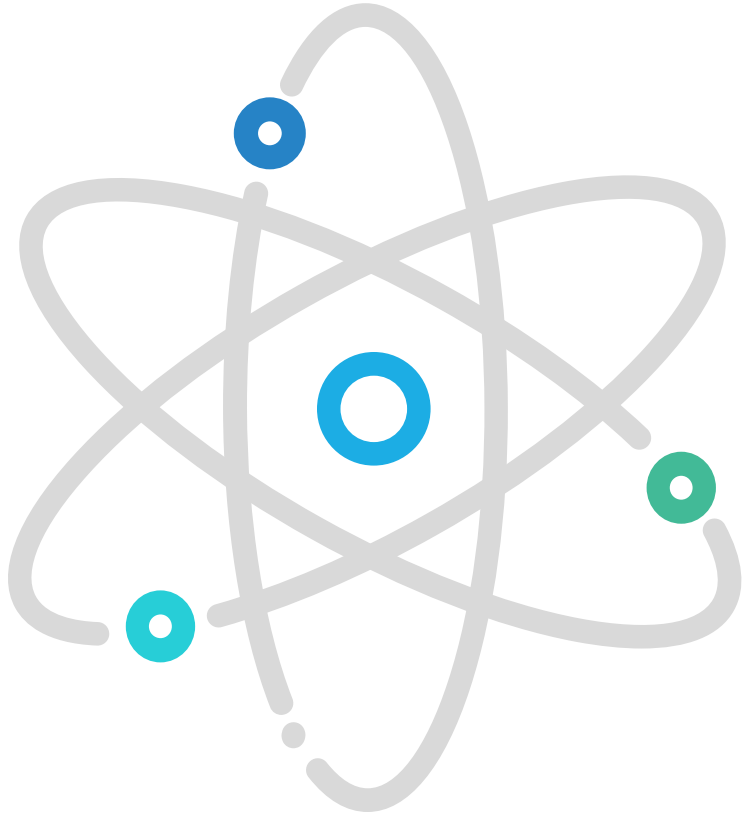
Connectivity Hub

Supports multiple connectivity channels (API, SFTP, external channels etc), with data privacy preserved via Data Exchange Consent

Serving needs of FIs



Key benefits harnessed for corporates



- Enabling **Corporates in their Sustainability** with digital tools to streamline their journey, understand their carbon footprint etc.
- One-stop harmonization of ESG credentials to **support streamlined validation** and **increased visibility** to customers/investors/financiers, for better business and financing deals
- Enhancing **Risk Monitoring and Active Management** of supply chain, strengthening long-term ESG decisions-making

USE CASES

ESGpedia



Achieving Key Outcomes...

“ ESGpedia has allowed us to go beyond negative screening of companies to **positively incentivising** those with **good ESG credentials**. ”

“ ESGpedia helps **streamline the monitoring** of the ESG metrics of our green portfolio, allowing for **greater sustainability engagement** with our investees. ”

“ The clear record of all carbon credit transactions down to the **fractionalised level** drives **greater transparency and inclusivity** in the carbon credits space. ”