

How Zeroboard can support visualization of GHG emissions for decarbonization management



Michitaka Tokeiji
Founder & CEO



What is zeroboard?

A Cloud Service for GHG emission Visualization

Company level
carbon accounting

Product level
quantification

Supply chain
visibility





Michitaka TOKEIJI

Founder and CEO of Zeroboard Inc.

2006 **JP Morgan Securities Co., Ltd.**

2009 **Mitsui & Co.**

2018 **A.L.I. Technologies Inc.**

2021 MBO of the “zeroboard” business,
launched operations as **Zeroboard Inc.**

Graduated from the Faculty of Engineering, University of Tokyo
Certified Member Analyst of the Securities Analysts Association of Japan (CMA)
U.S. Chartered Financial Analyst (CFA)

About Us



- (1) Company name Zeroboard Inc.
- (2) Location 5-27, Mita 3-chome, Minato-ku, Tokyo
10th Floor, Sumitomo Fudosan Mita Twin Building
West
- (3) Representative Michitaka Tokaji
- (4) Established August 24, 2021
- (5) Business Development and provision of “zeroboard,” a cloud
service for calculating and visualizing GHG
emissions,
- (6) Employees 163 (as of May 15, 2023)
- (7) External Shareholders DNX Ventures, Inclusion Japan, Keyrock Capital
Management etc.



Transforming Climate Change into Social Possibilities



Financial market: Mounting pressure for companies to heighten environmental considerations



Carbon neutrality goal of each country

In the Paris Agreement, countries agreed on the need for global emissions to peak as soon as possible.

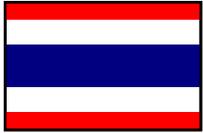


Consumer trends: Selecting brands that are environmentally friendly

Consumers of the future such as Millennials and Generation Z are becoming increasingly environmentally conscious.

⇒ **Lack of engagement in decarbonization is a high corporate risk.**

Asian Countries' Policies for Decarbonization



Thailand has a Bio-Circular-Green Economic Model (BCG) to become "carbon neutral" by 2050 and to achieve "net zero emissions" by 2065.



Singapore, with its Singapore Green Plan, aims to become carbon neutral after 2050 while balancing environmental policies and economic development. It has already introduced a carbon tax.



Indonesia's policy is The National Green Growth Roadmap, which aims to be carbon neutral by 2060 or sooner.

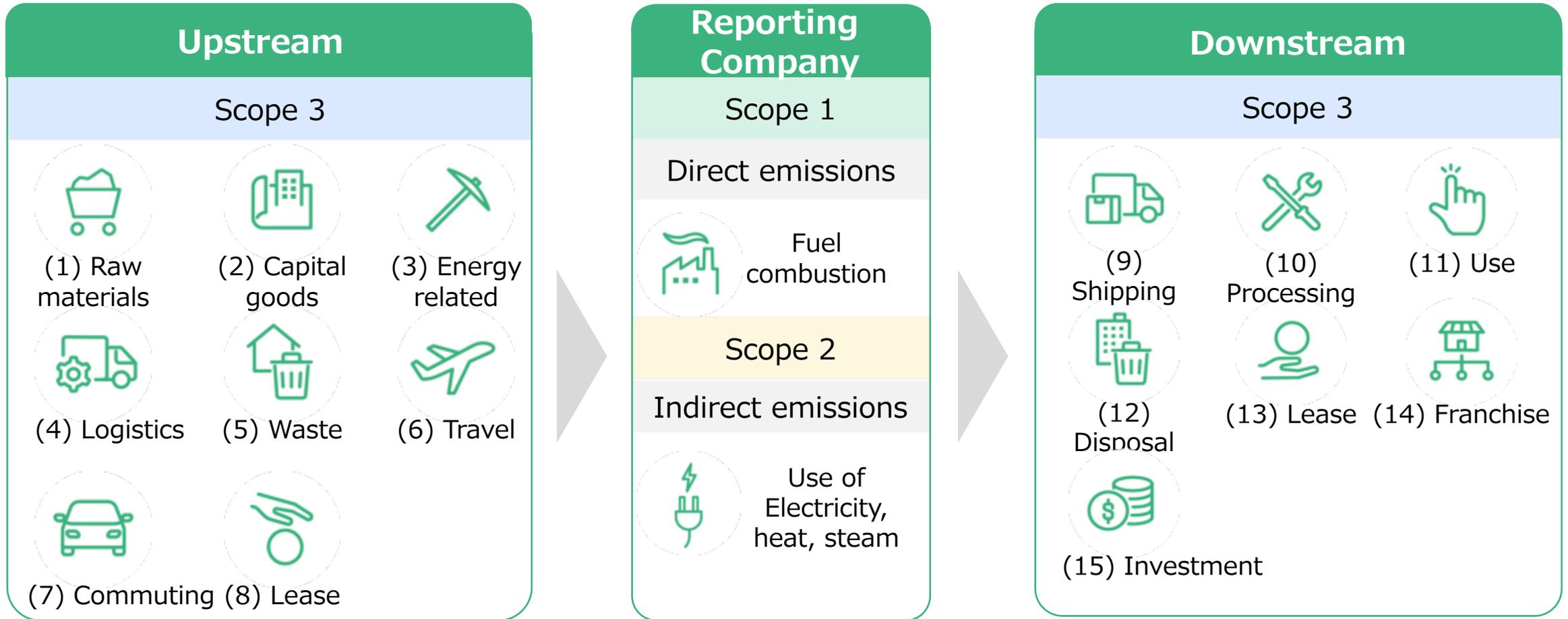


Malaysia declared at COP26 in 2021 that it aims to achieve CN by 2050, and in its Green Technology Master Plan, the country aims to achieve economic development and job creation.



Vietnam has launched the Vietnam Green Growth Strategy, which aims to achieve low-carbon growth, green production, and green lifestyles. The country has declared carbon neutral by 2050.

Supply chain emissions in GHG protocol



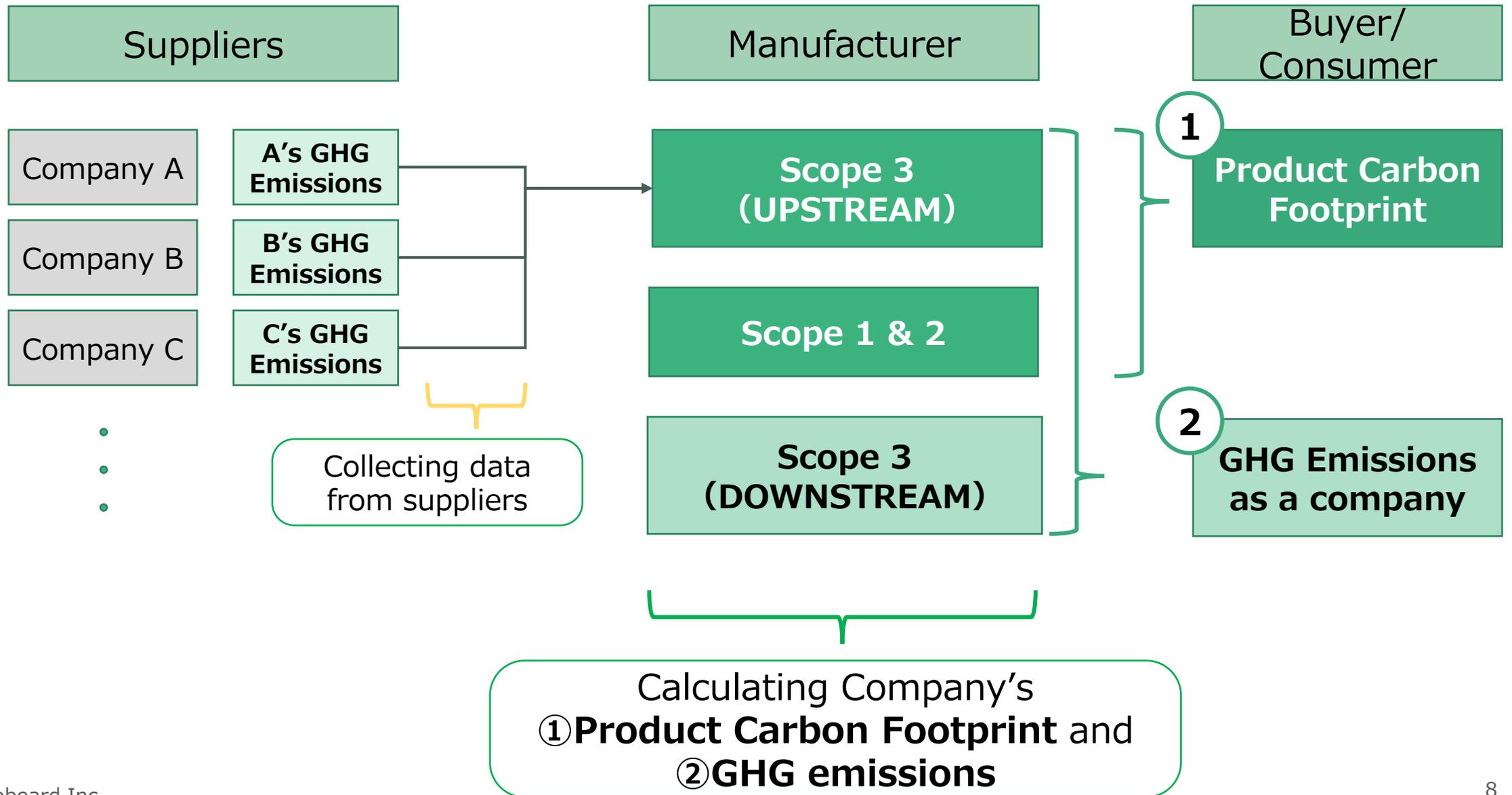
Activity amount



Carbon Emission Factor

- CO2 emissions per activity.
- **It is desirable to use the supplier's primary data for the calculation to reflect supplier's effort on GHG reduction.**

Supply chain emissions using primary data



GHG emissions calculation and visualization cloud service “Zeroboard”



Certified

- ✓ Validity guaranteed based on ISO14064-3 compliant verification procedure
- ✓ Obtained ISMS(ISO27001) qualification

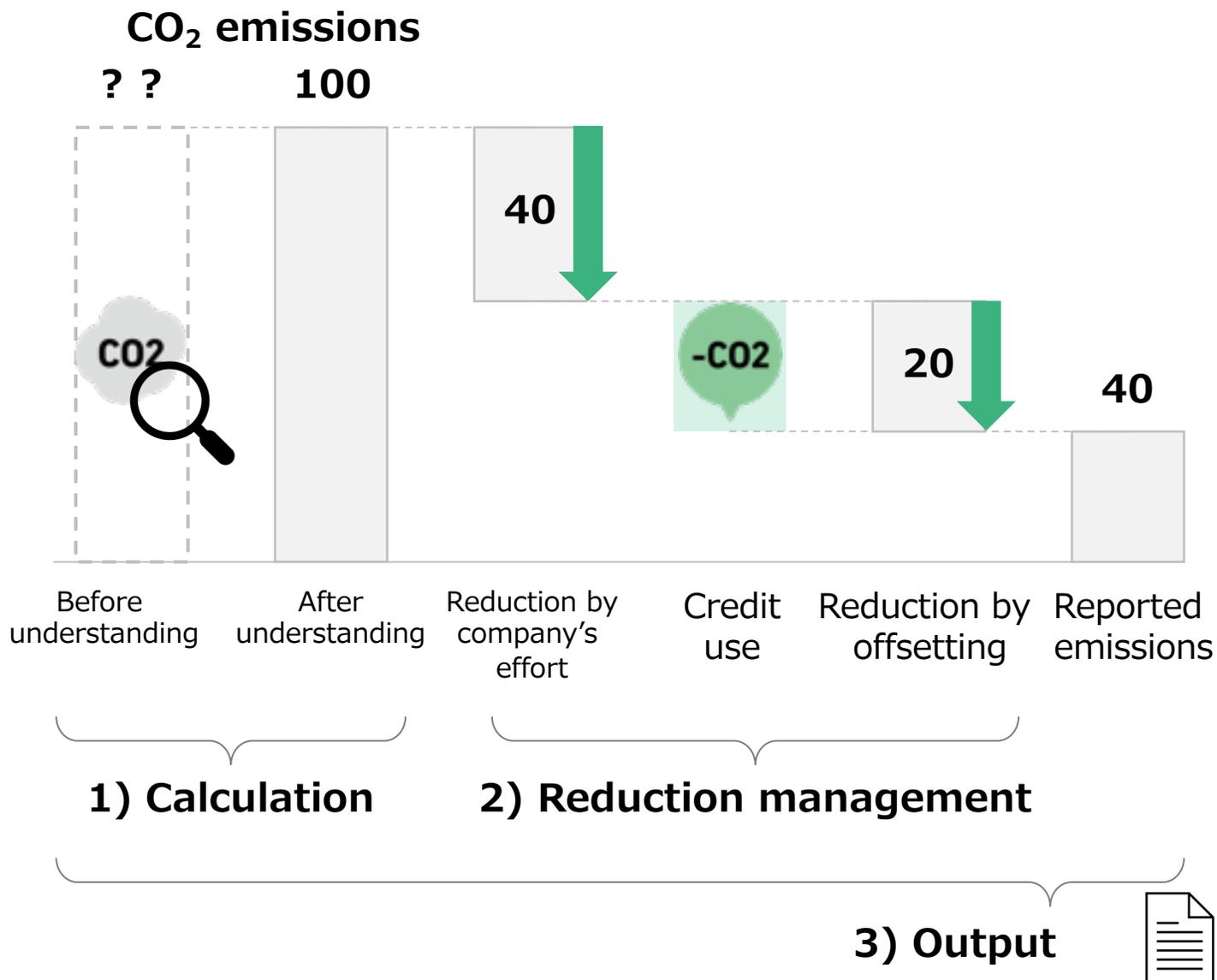
User friendly

- ✓ The most globally advanced sustainability platform
- ✓ Used by more than 2,400 companies

Network effects

- ✓ Has a function that links data with the supply chain and financial institutions, builds a highly effective network ecosystem

Outline and features of the service



① Supply chain emissions calculations

- ✓ Calculation of supply chain emissions that require complex data processing and CO₂ emissions by product

② Reduction management

- ✓ CO₂ emission reduction management and cost effect simulation function on dashboard, which provides high visibility

③ Output in multiple report formats

- ✓ Output compatible with report formats for existing local regulations, in addition to international disclosure formats such as TCFD

Customer Portfolio

Zeroboard is used by a wide range of companies ranging from large cap to SMEs who are required to disclose their Scope 1-3 GHG emissions.

Used by
Over 2,400
companies

Companies committed to decarbonizing their operations with zeroboard



Our Next Step : Business Development in Asia



Why Asia?

- ✓ Aggressive and ambitious goal for decarbonization.
- ✓ Supply chain is open overseas.
- ✓ Many manufacturing sites in Asia

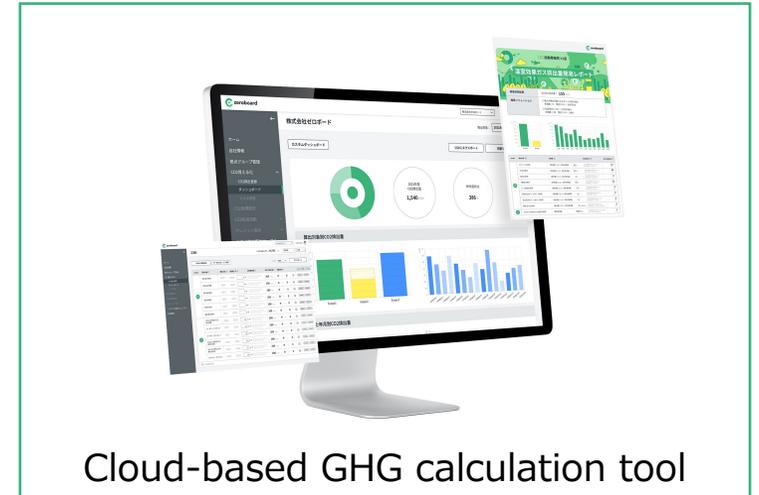


How can Zeroboard assist ASEAN?

1

Technology

- Accurately visualize GHG emission
- Simulate and identify most effective decarbonization solution

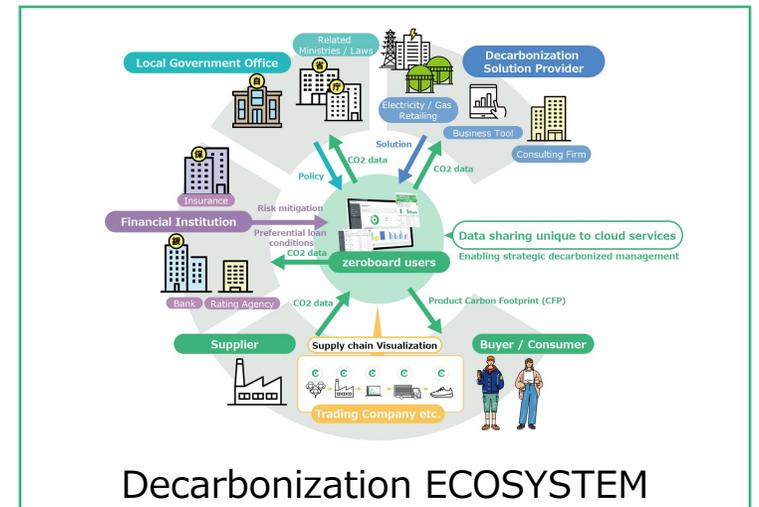


Cloud-based GHG calculation tool

2

Ecosystem

- Access various decarbonization solutions



Decarbonization ECOSYSTEM

① Data interaction

- ✓ Obtaining data from suppliers is essential for the Scope 3 management.
- ✓ Existing Spreadsheets don't talk with other spreadsheets.

② Secure resources

- ✓ Man-hours required for Scope 3 calculations are significant.
- ✓ Maximizing the use of AI is critical.

③ Keep Upgrading

- ✓ A carbon accounting software needs to be constantly upgraded to follow the ever-changing disclosure rules.

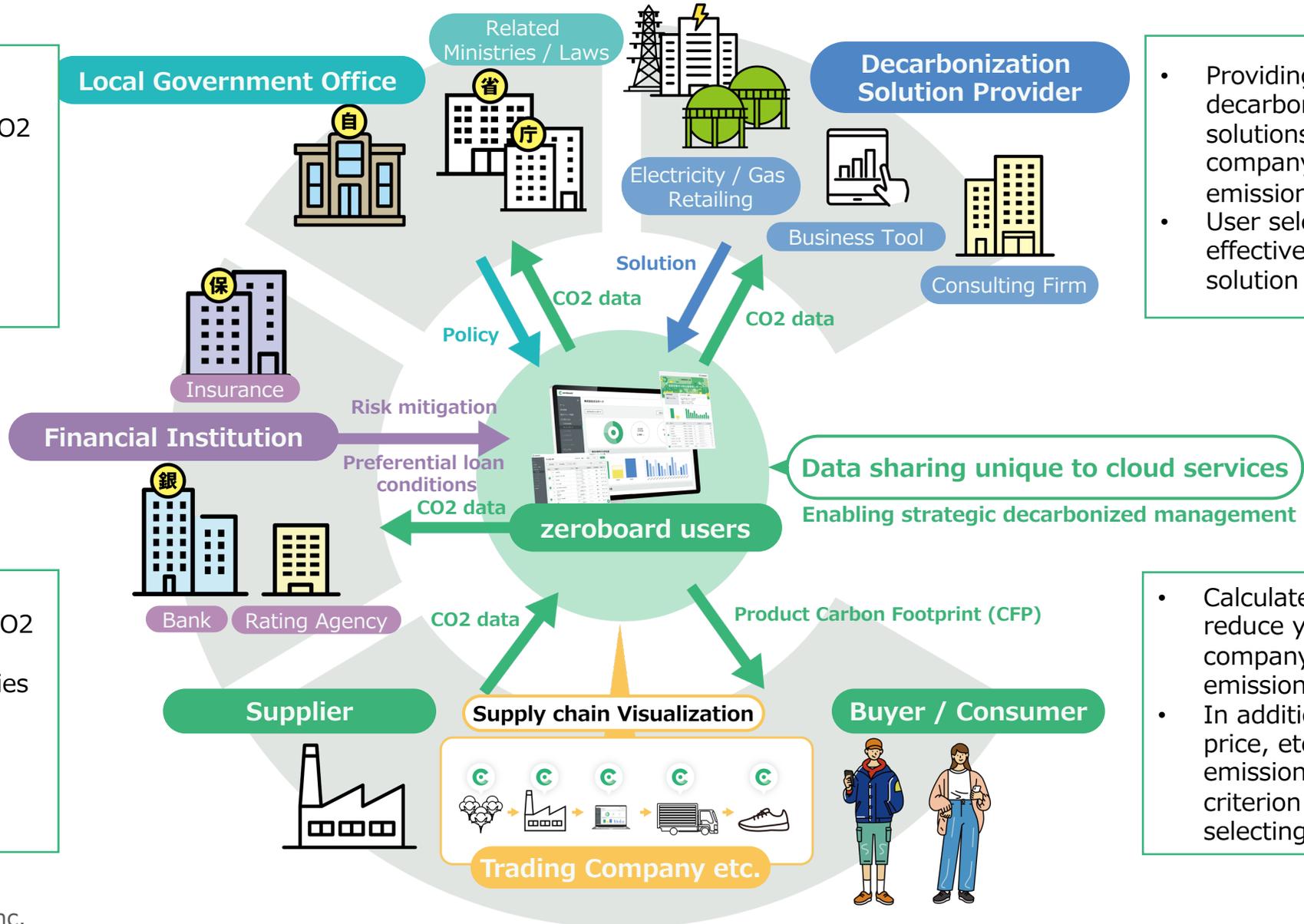
Ecosystem enables decarbonization management

- Regional visualization of CO2 emissions
- Measures in line with the regional decarbonization roadmap

- Providing decarbonization solutions based on a company's CO2 emissions
- User selects cost-effective reduction solution

- Visualization of CO2 emissions of investee companies
- Management of Environmentally Conscious Loan Goals

- Calculate and reduce your company's CO2 emissions
- In addition to quality, price, etc., CO2 emissions are a criterion for selecting products.





Aiming to Reduce GHG Emissions in Asian Manufacturing Sites

Collaborating with above 5 partners, Zeroboard will promote the decarbonization of overseas manufacturing bases, that have large potential of reducing GHG emissions.

By supporting the decarbonization management for Asian manufacturing bases, we will contribute not only to the reduction of GHG emissions, but also to the sustainable economic development.

Work with Japanese government



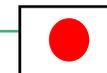
JAPAN-ASEAN



Mr. TOKEIJI (CEO) made a pitch at **“Rock Thailand #4”** which was hosted by **Embassy of Japan in Thailand and JETEO**



MoU execution with Rimm at Asia Zero Emission Community (AZEC) Public Private Investment Forum



JAPAN



Contracted by METI for CFP verification experiment (Automotive and Chemicals). Linking data in the supply chain to calculate how much greenhouse gas emissions are being emitted in the process of raw material procurement, production, and distribution.

Zeroboard was appointed as a member of an advisory committee to create guidelines for CFP calculation led by the METI.



Technology × Ecosystem for decarbonization

Decarbonization cannot be achieved by one company and Zeroboard believes that our **technology and ecosysytm** will help enable it.

Co-creation

In ASEAN, **we are looking for partners** to build an ecosystem together.

Visualization, then Green Investment

GHG visualization will stimulate the need for investment in **energy conservation** and **renewable energy**, and contribute to **energy transitions**.



CO2



Thank you for listening!

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