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Accelerating Decarbonized Agriculture by Carbon Credit in South-East Asia



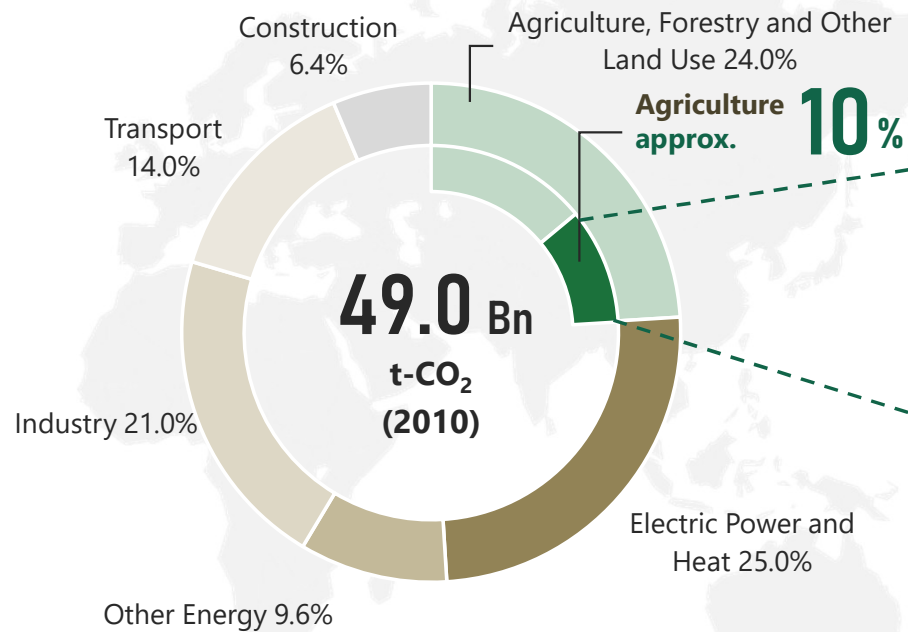
Faeger Co. Ltd.

08/2023

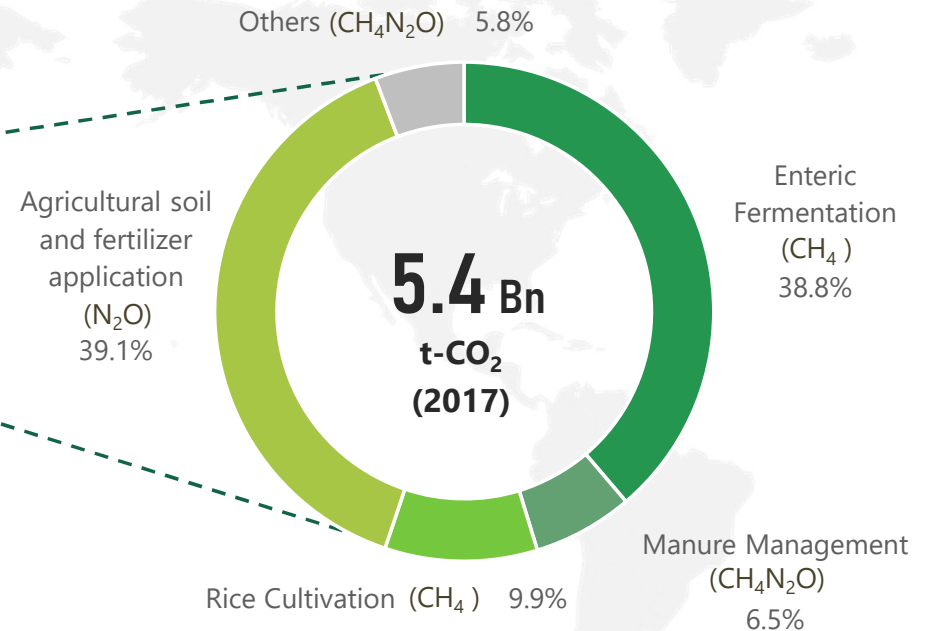
Decarbonisation is Required in Agriculture

Share of Global GHG Emissions by Category

All Sectors (including fuel combustion, data as of 2019)



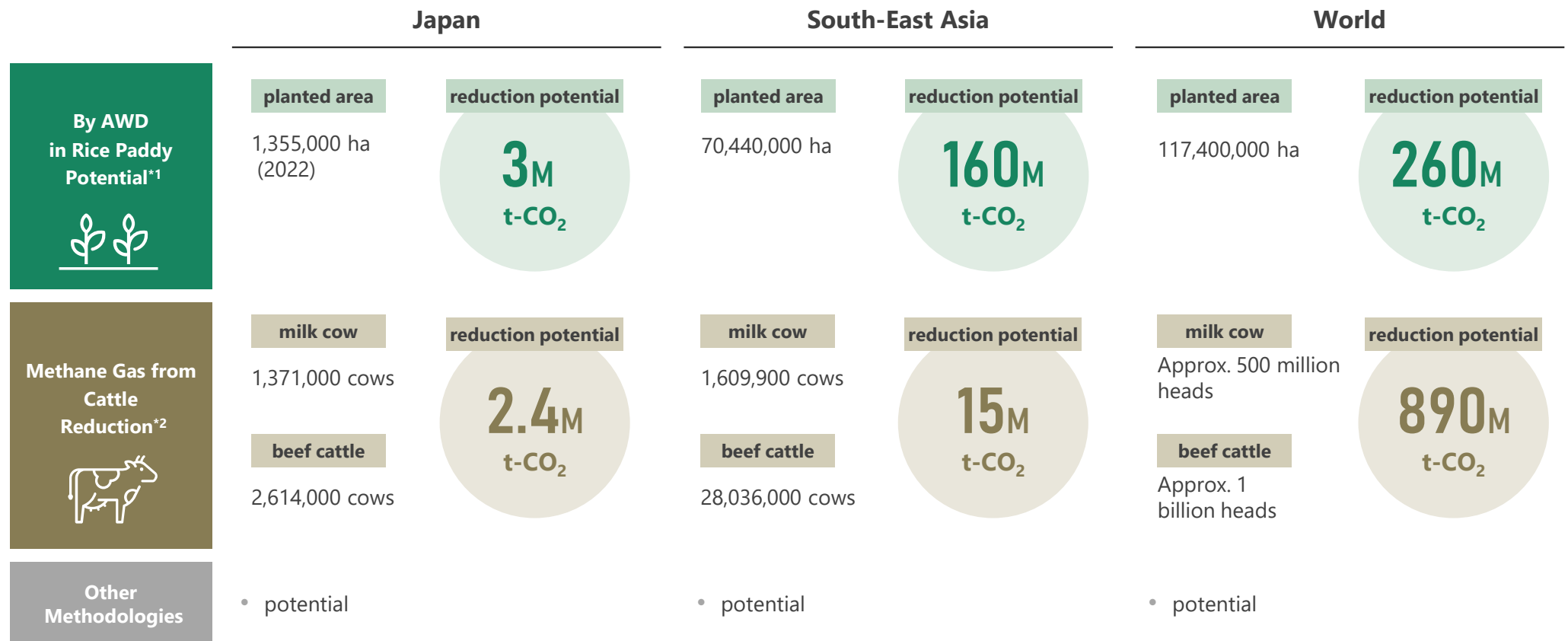
Agriculture Sector (excluding CO₂ emissions from fuel combustion)



Source: graph on p. 2 of "Development of technologies to reduce agriculture-derived greenhouse gas emissions", National Institute of Agricultural Economics (compiled from the IPCC Fifth Assessment Report, Working Group 3 Report and FAOSTAT statistical data).

Agricultural Sector has Significant GHG Reduction Potential

GHG Reduction Potential by Region and Methodology



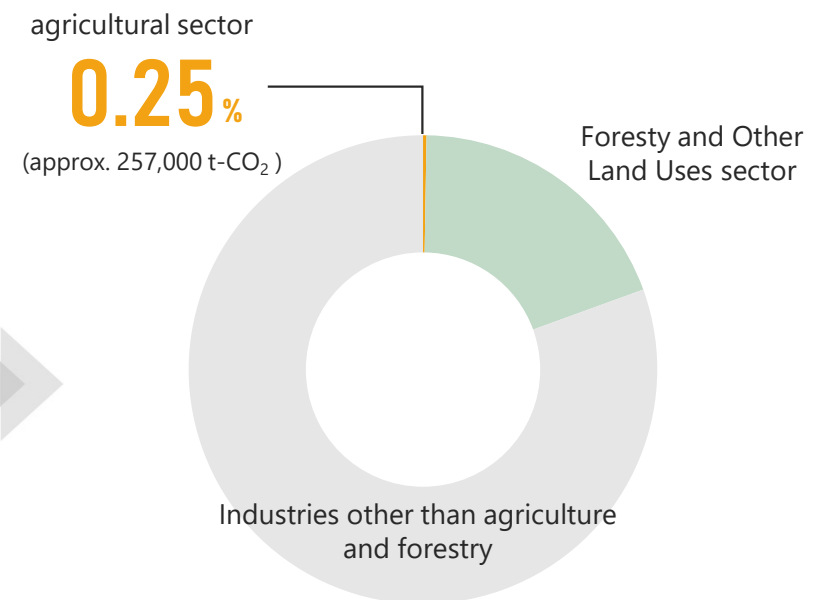
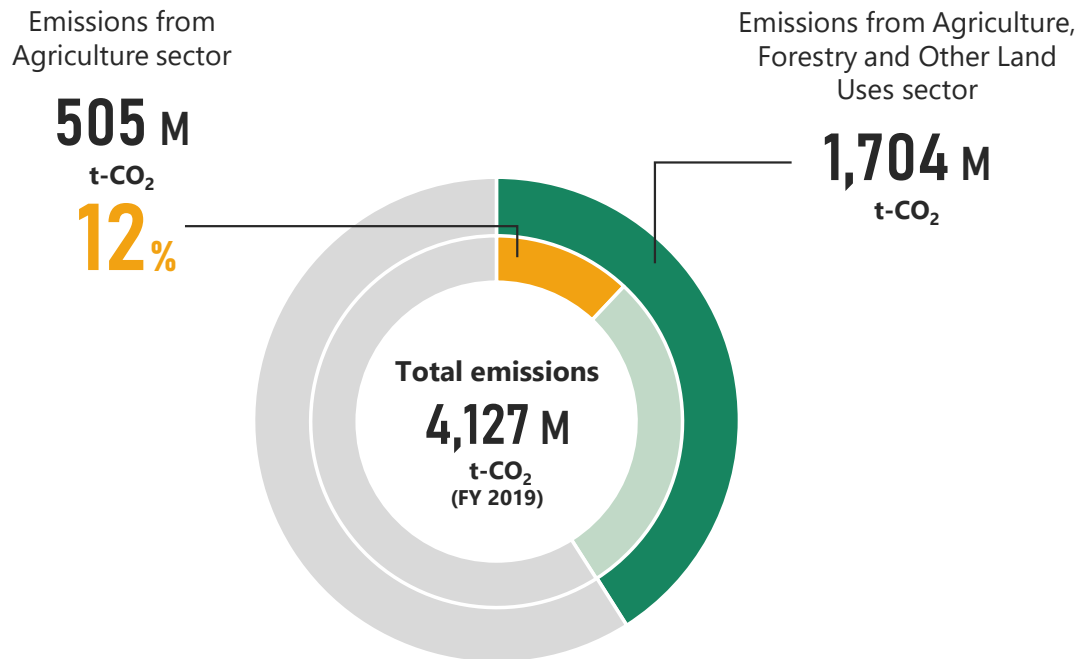
*1: Factor 2.2 t-CO₂ /ha/year

*2: Number of cows * methane emission factor (dairy cows: 0.11, beef cows: 0.066) * reduction rate (30%) * methane CO2 conversion factor (25).

Little Progress in Decarbonizing Agricultural Land in SEA

GHG Emissions from Southeast Asia's Agriculture, Forestry and Other Land Uses sector^{*1} (Unit: 10,000 t-CO₂ conversion)

Agriculture and Forestry as % of VCS and CDM Certified^{*2} (%)

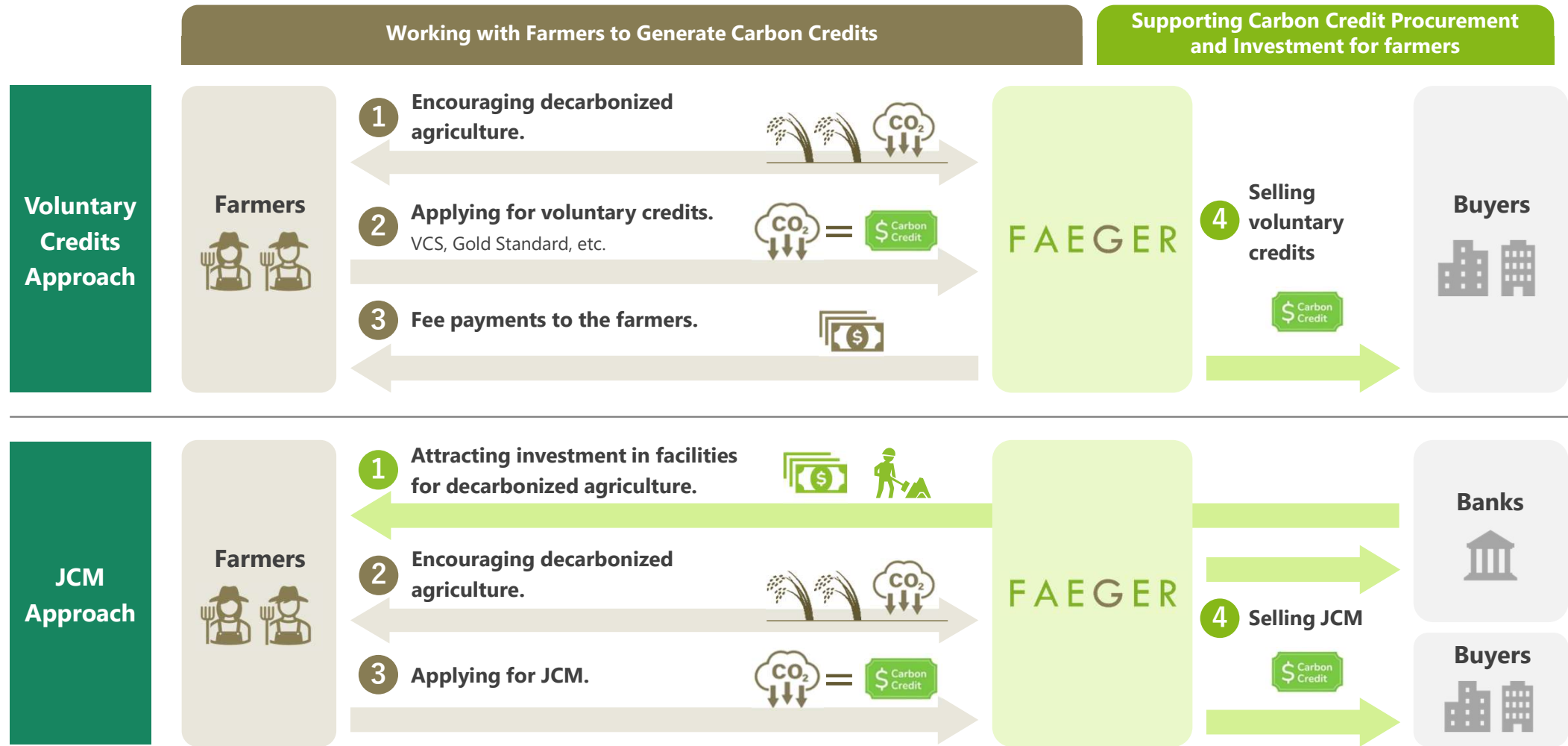


*1: Greenhouse effect is 25 times greater for methane and 298 times greater for N₂O compared to CO₂
Source: ClimateWatch.

*2: Calculated from the VCS and CDM Scheme Registry's information.

Our Services: Agri-Based Carbon Credit Developer

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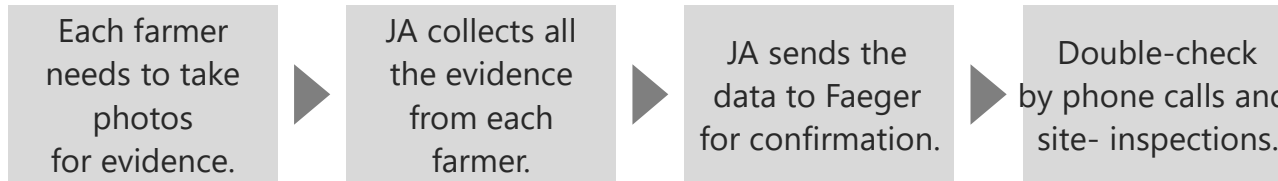


Why Faeger (1/2).

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01. Farmer-friendly Operations Through the Use of Systems and IoT

Before



Ex. Documents Over 15cm-thick X 5 Books



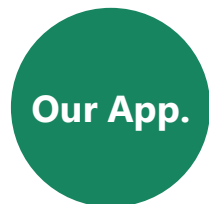
100

reference

Materials samples used by certain local authorities to apply for grants.

Easy and One-step with Our App!

After



No Login Required
Just take a photo and upload it to the app.
Shooting date/time and GPS are automatically linked.



This App and system will **drastically reduce the burden on farmers!!**

Why Faeger (2/2).

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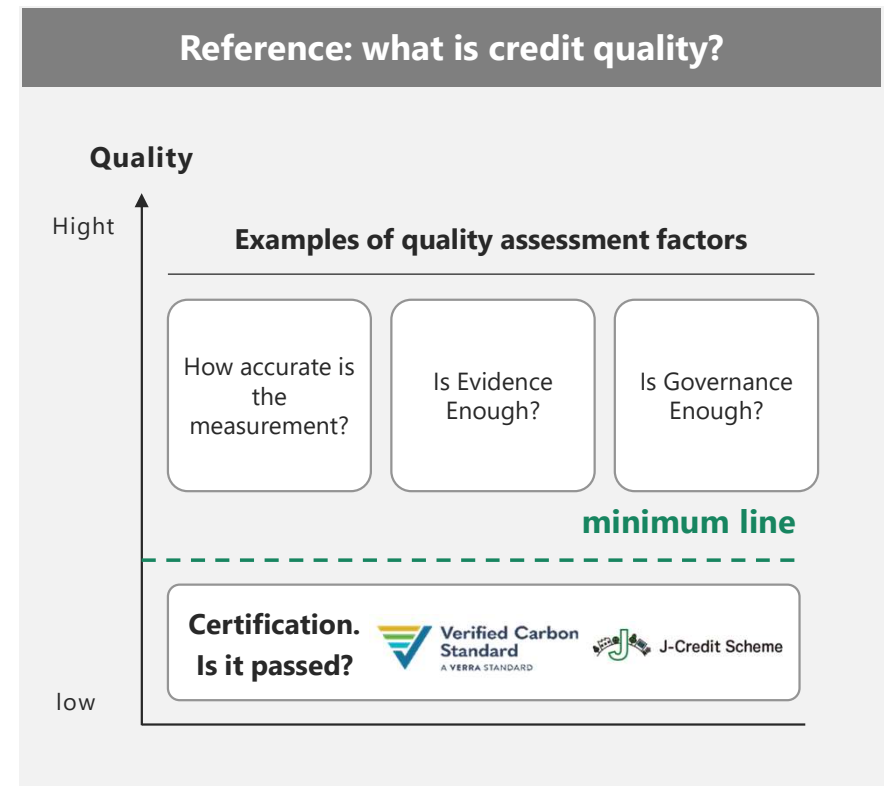
02. Quality Management to Maximize Farmers' Profits

Buyers/corporates are getting more aware of the
quality of the carbon credits.

If Faeger can guarantee the quality, large quantities
of our carbon credits can be sold at high prices.



Farmers' **profits are maximised.**



Achievements / Partnerships

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Credits Generation

Cooperation Partners

FY2023

FY2024 (Confirmed)

2,000
Ha



15,000
Ha

Approx.
5,000
t-CO₂



Approx
50,000
t-CO₂



In some cases, the credit generation methodologies also contribute directly to yield

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In Myanmar, irrigation facilities are needed to create credits from paddy fields.



If an irrigation system is in place, it is possible to cultivate during the dry season as well as the rainy season.



As a result, the overall harvest would double.

Founder

FAEGER

CEO

Takahiro Ishizaki



Education/Professional Experiences

- Waseda University Faculty of Law
 - PwC (Japan)
 - YCP (Singapore office head / MD)

Strength

Decarbonisation
Consulting experience



Agribusiness Knowledge

SEA Credit Buyers Networks

COO

Yusuke Takai



Education/Professional Experiences

- Hokkaido University, Faculty of Agriculture,
 - Farming in SEA countries for 5 years
 - BCG (Japan)
 - YCP (Vietnam office Japan desk head)

Strength

Farming Experience in SEA



Consulting
Experience

Agriculture-related University/Academic Networks

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