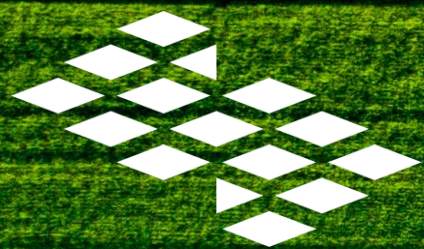




Company Presentation Dec 2024

“Coexistence between humanity and the Earth”



Sagri

Satellite \times AI

Sagri is an impact startup from Gifu University, addressing food crises and climate change challenges using satellite data and AI technology.

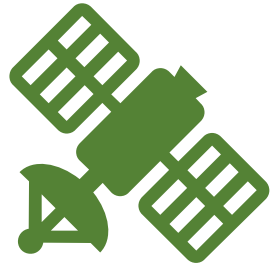
As a satellite data analysis venture, we were the first in Japan to be selected as a 'J-startup' company by the Ministry of Economy, Trade and Industry in Japan. We are collaborating with governments and large corporations globally.



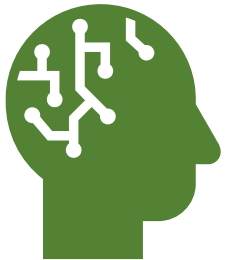
What We Do

Using satellite data and AI-based technology, we provide a variety of data analysis services related to farmland around the world

Sagri's Vision "Creating Value by Visualizing Farmland"



Satellite
Data &
Image



Machine
Learning

1

Farmland Polygon Creation

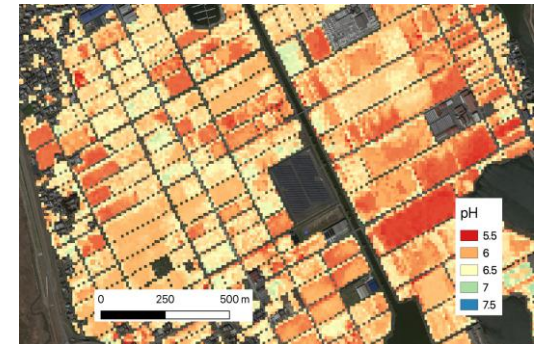
High-resolution satellite imagery is used to inexpensively plot farmland as "AI polygons" through AI-based image processing.



2

Analyzing Chemical Parameter

To analyze satellite wavelength data for soil chemistry (total carbon, total nitrogen, pH, CEC, etc.)



Problem to solve: “Decarbonizing agriculture”



Reducing GHG emissions in a sector that accounts for about 1/4 of global GHG emissions

Emissions from the Forest, Land and Agriculture (FLAG) sector, which includes agriculture, account for about 22% of global GHG emissions. Emissions are also expected to increase in the future as the world's population grows and demand for food increases, making the need for emission reduction measures even greater.



Impact on various industries involved in the supply chain

Companies in the forest and paper products, agricultural production, livestock, food and beverage processing, retail of food and daily necessities, and tobacco sectors are covered by the sector guidance, and many companies have started to calculate their emissions using the amount of raw materials procured and CO2 emission factors.

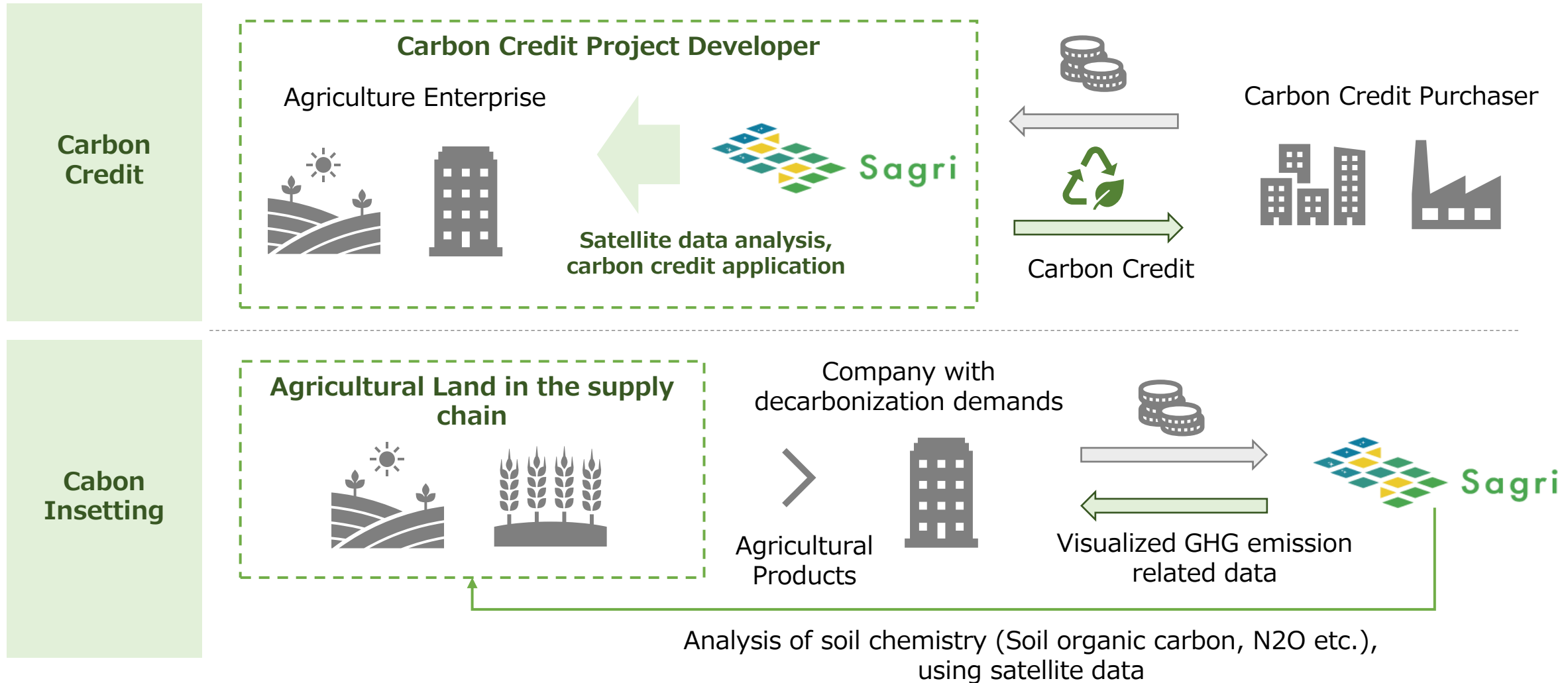


Difficulty in calculating GHG emissions and carbon removals from agriculture and reduction/removal measures

For companies that procure farm-derived raw materials in order to reflect reduction measures, it is necessary to precisely understand current emissions rather than CO2 emission factors, but the data necessary for calculation is difficult to obtain and analyze.

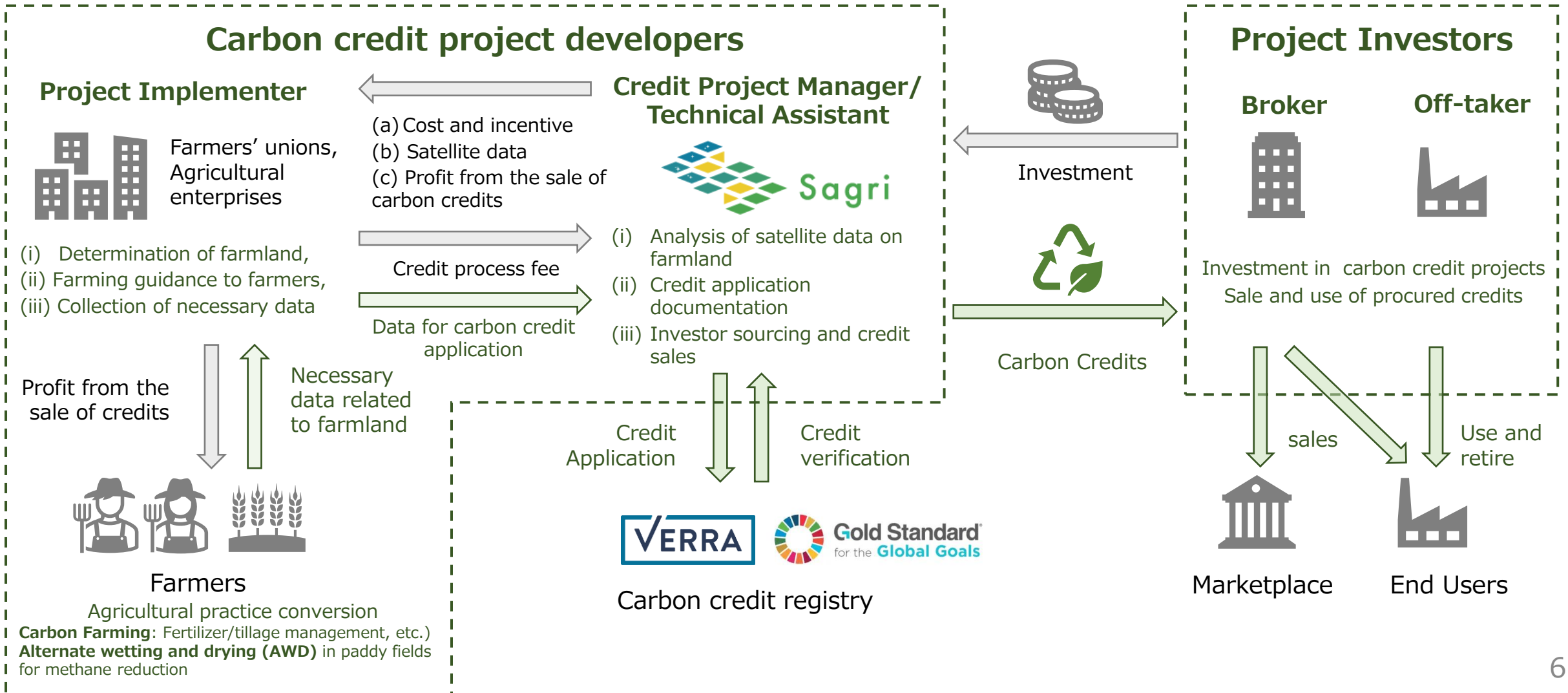
Sagri: Decarbonization Business

we are launching a service related to carbon credit generation and visualization of GHG emissions from agricultural land in the supply chain



Carbon Credit: Business Model

Generating carbon credits by changing the agricultural practices of farmers in developing countries and selling the credits to buyers in developed countries



Merits to participants and Sagri's value

Sagri utilizes its satellite data and AI analytics and provides valuable programs to both farmers/farmers' unions and investors



Satellite Data x AI Analytics

The key to a project to generate credits from improved agricultural land management is to reduce the cost of soil sample collection and carbon measurement. Sagri's satellite x AI soil diagnostics service enables highly accurate and cheaper soil organic carbon measurement and monitoring.

Full-service support from credit generation to sales to investors

Connecting carbon credit developers and investors to realize the program and handle the complicated credit application process on behalf of the developer.



Farmers

- ✓ Additional source of revenue and increased income
- ✓ Long-term sustainable agriculture on owned farmland



Farmers' Union,
Agriculture enterprises

- ✓ Branding and value-adding as environmentally friendly agricultural products.
- ✓ Transforming business into a more sustainable one

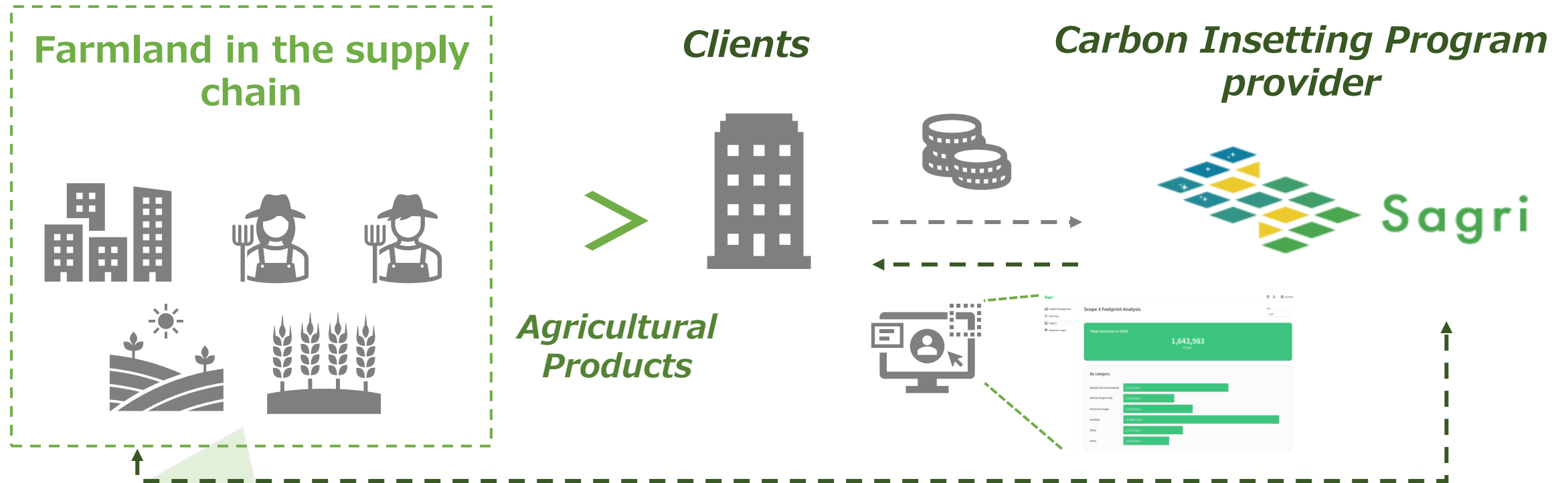


Investors

- ✓ Secure credits as early as possible in response to growing demand for offsets
- ✓ Contribute to raising the income level of farmers in emerging countries

Carbon Insetting: Business Model

Sagri calculates greenhouse gas (GHG) emissions and carbon removals from agriculture and supports reduction and removal activities



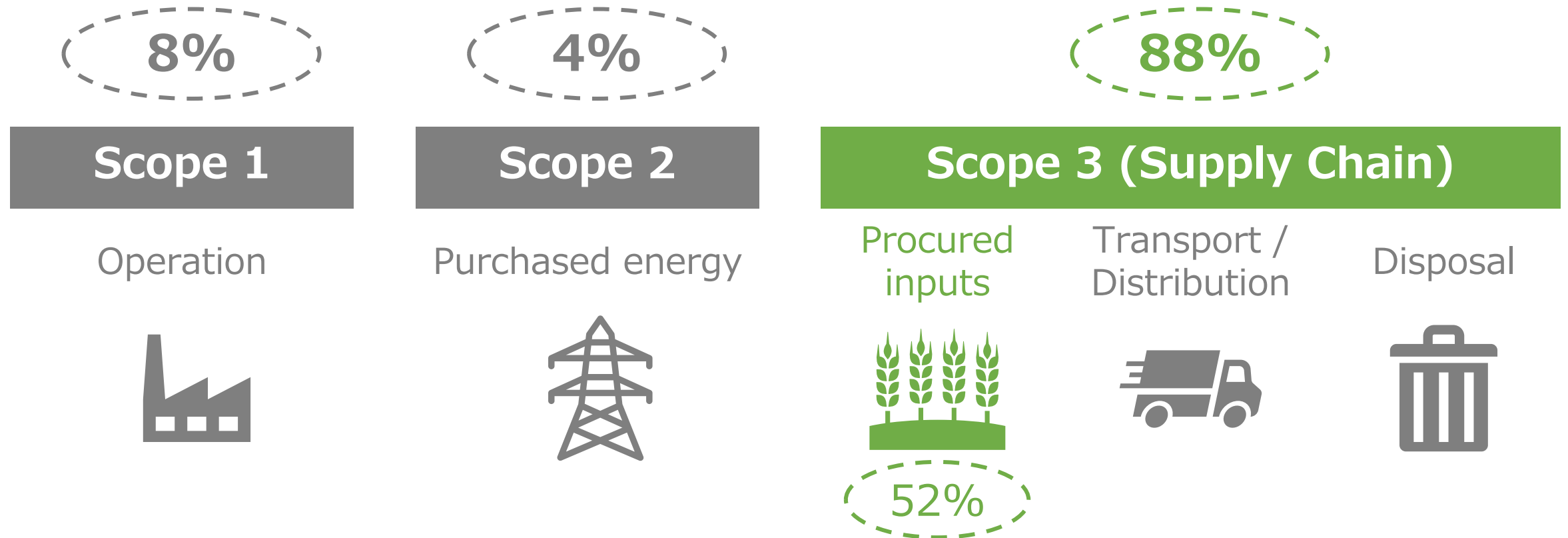
Based on soil chemistry analysis, suppliers can implement programs to reduce GHG emissions (e.g., reduce chemical fertilizers) and increase soil organic carbon.



Analysis of soil chemistry (Soil Organic Carbon, Nitrogen etc.), using satellite data and web/mobile application

Market Opportunity

Carbon footprint of large food and beverage manufacturers



To achieve decarbonization in agriculture sector, we should focus on emission from procured inputs