



## Ajinomoto Group Initiative to Address Sustainability Challenges

Ajinomoto Co., Inc.  
Sustainability Promotion Department Environmental Group

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### Founding Aspirations

Eat Well, Live Well.



In 1909, "Ajinomoto ®" was commercialized from the *umami* ingredient "glutamic acid" contained in kelp soup stock called *dashi*.



Discoverer of Umami  
Kikunae Ikeda  
(Professor, Teikoku University, Tokyo)

Discovered the flavoring ingredient called "glutamic acid" contained in kelp soup stock. He named it **Umami**



Ajinomoto ®  
(Monosodium Glutamate)



Ajinomoto Group Founder  
2nd generation Saburotsuke Suzuki

#### Founding Aspirations

### Contribution to Society Through Food

Desired to improve the nutrition of Japanese people through umami.

Launched **Ajinomoto ®**, the world's first umami seasoning based on glutamic acid.

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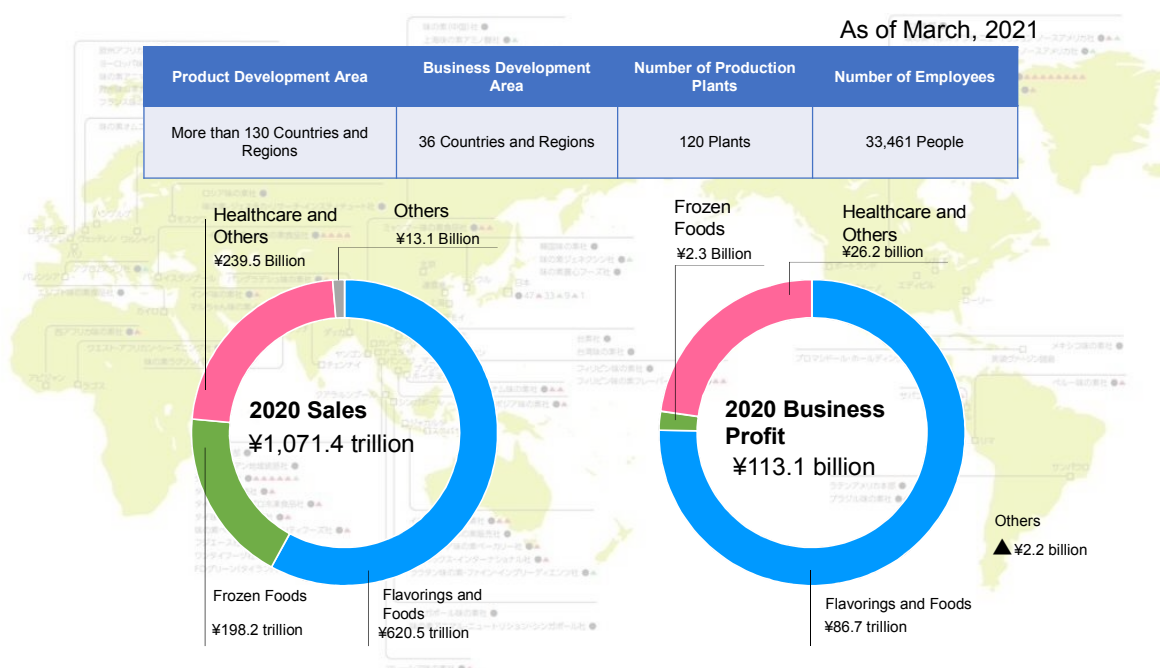
## Development of a Wide Range of Businesses Starting with Amino Acids



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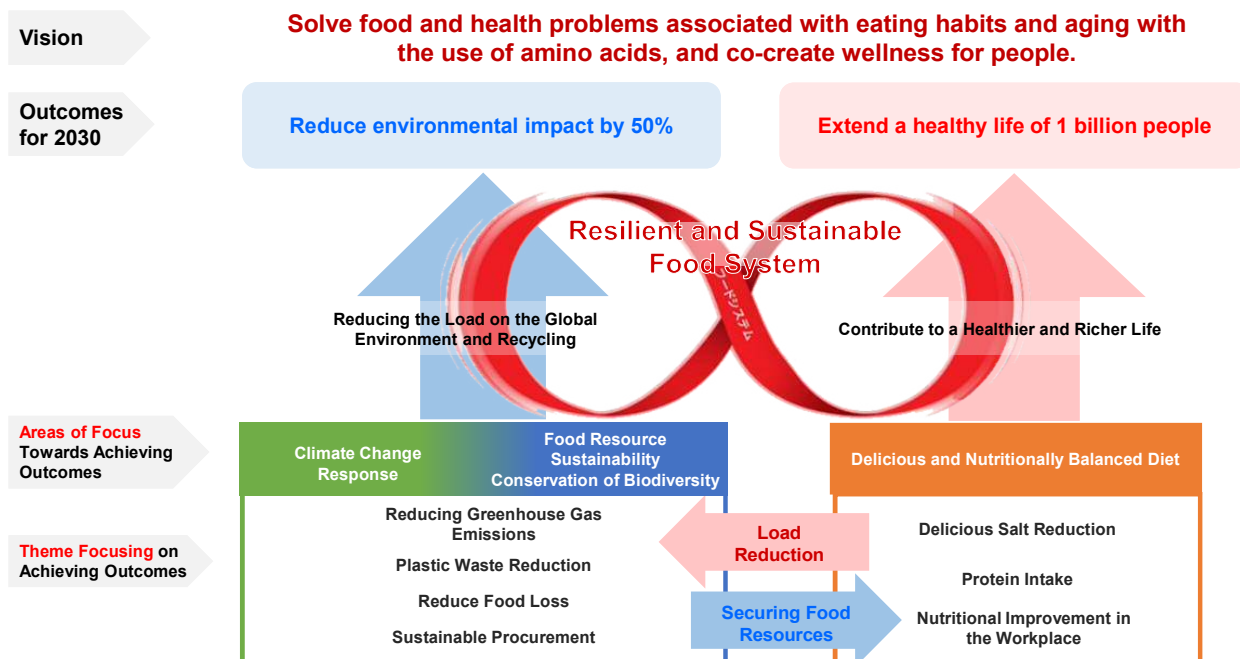
## Expanding to a Wide Range of Businesses Around the World



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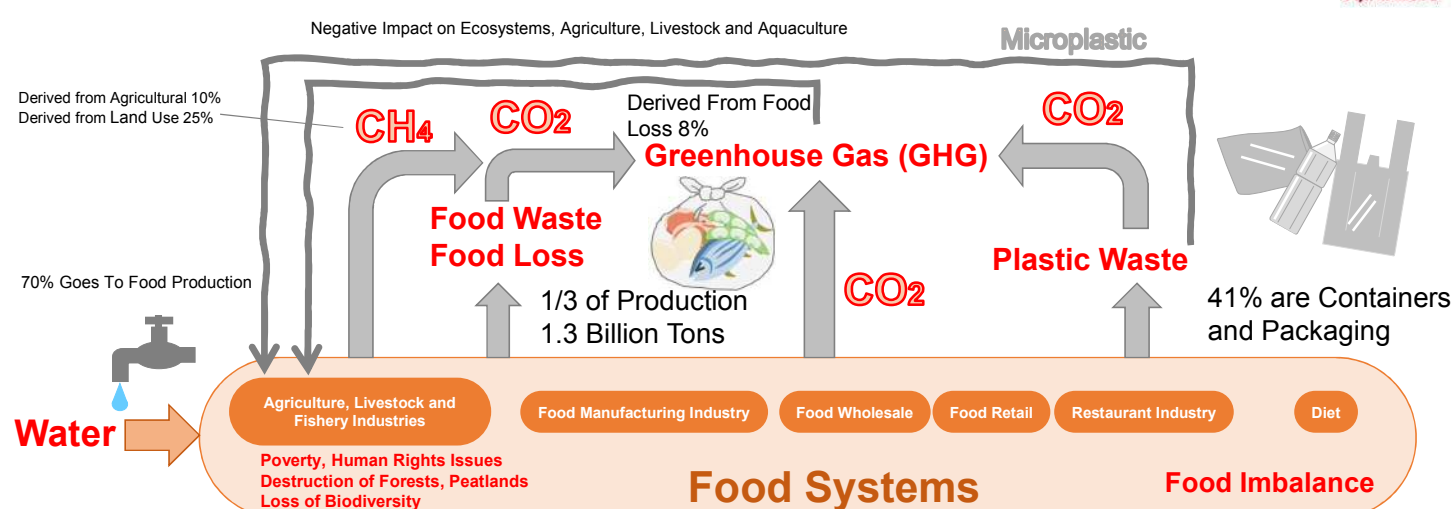
# Philosophy of Sustainability Towards Achieving 2030 Outcomes



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# Sustainability Challenges in Current Food Systems



3/4 of the poor are in rural areas  
52% of agricultural areas are devastated  
80% of deforestation is attributed to agriculture

2050 **10 billion people in the world will need twice as much food.**

2025-2030 **Global Protein Crisis**

In the future, there will be a shortage of food, a shortage of nitrogen. 800 million people are chronically undernourished  
2.2 billion people are obese

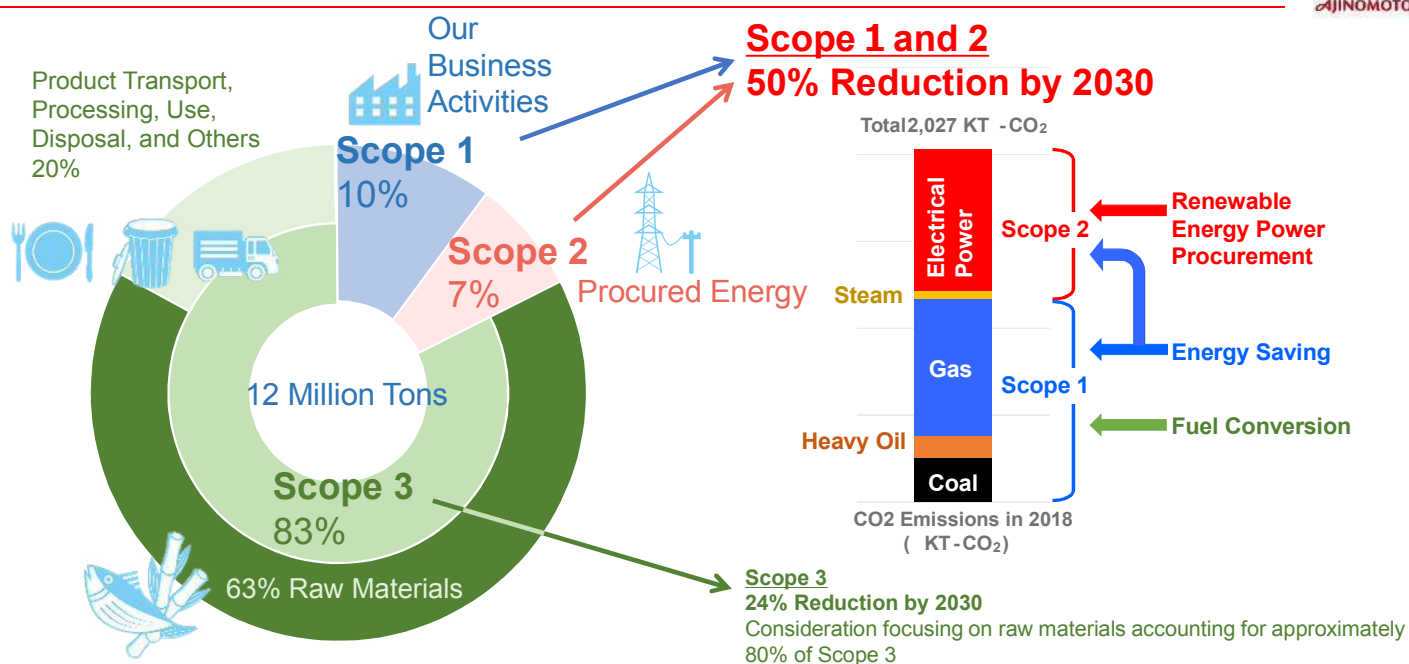
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## Objectives of the 2020-2025 Medium-Term Management Plan

Issues	KPI	Objectives	2020 (Actual)
Climate Change Response	Greenhouse Gas	Scope 1, 2 Total Amounts	2030: 50% Reduction (vs. 2018)
		Scope 3 Raw Units	2030: 24% Reduction (vs. 2018)
	Water Risks	Water Usage Amounts	2025: 80% Reduction (vs. 2005)
Implementation of a Resource Recycling Type Society	Plastic Waste		2030: Zeroing
	Food Loss	From Material Receipt to Customer Delivery	2025: 50% Reduction (vs. 2018)
		Overall Product Lifecycle	2050: 50% Reduction (vs. 2018)
Implementation of Sustainable Procurement	Destruction of Forests Biodiversity Human Rights Coexistence With Animals	Sustainable Procurement Ratio	
		Paper Palm Oil Soy Beans Coffee Beans, Beef	2030: 100% Procurement Available
			94% 84% 68% Start Risk Evaluation

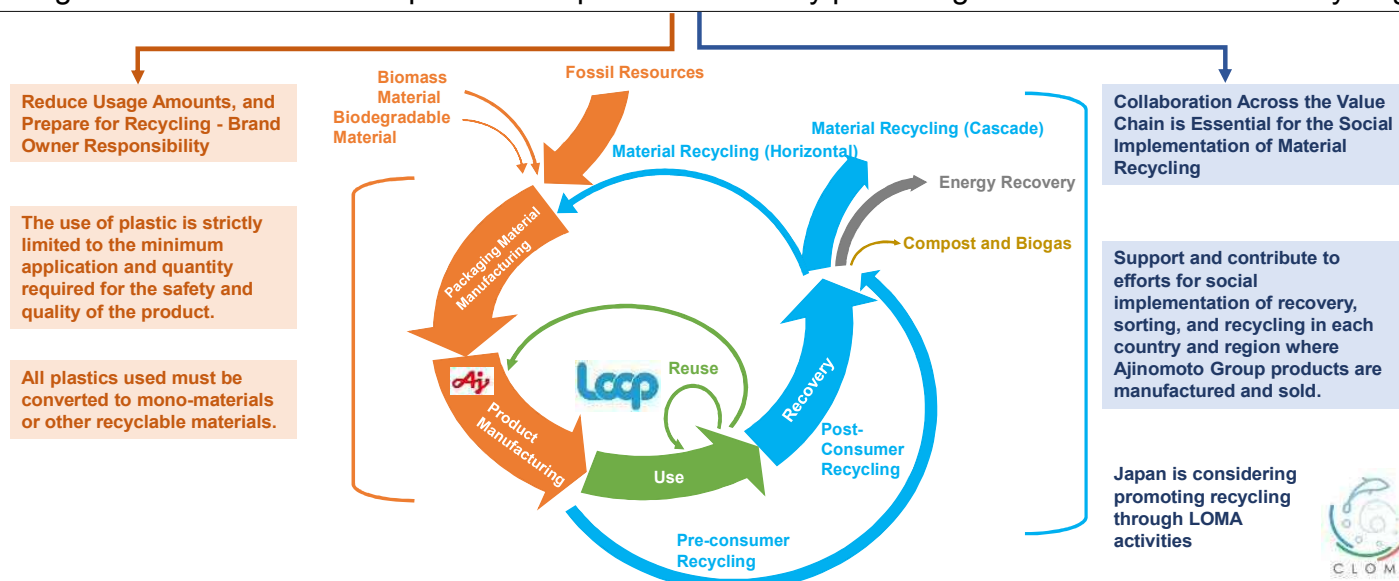
## Ajinomoto Group's CO2 Emissions Reduction Targets



## Ajinomoto Group Plastic Waste Reduction Targets

### Plastic Waste Zeroing by 2030

Aiming for zero environmental spills and simple combustion by promoting reduction and material recycling



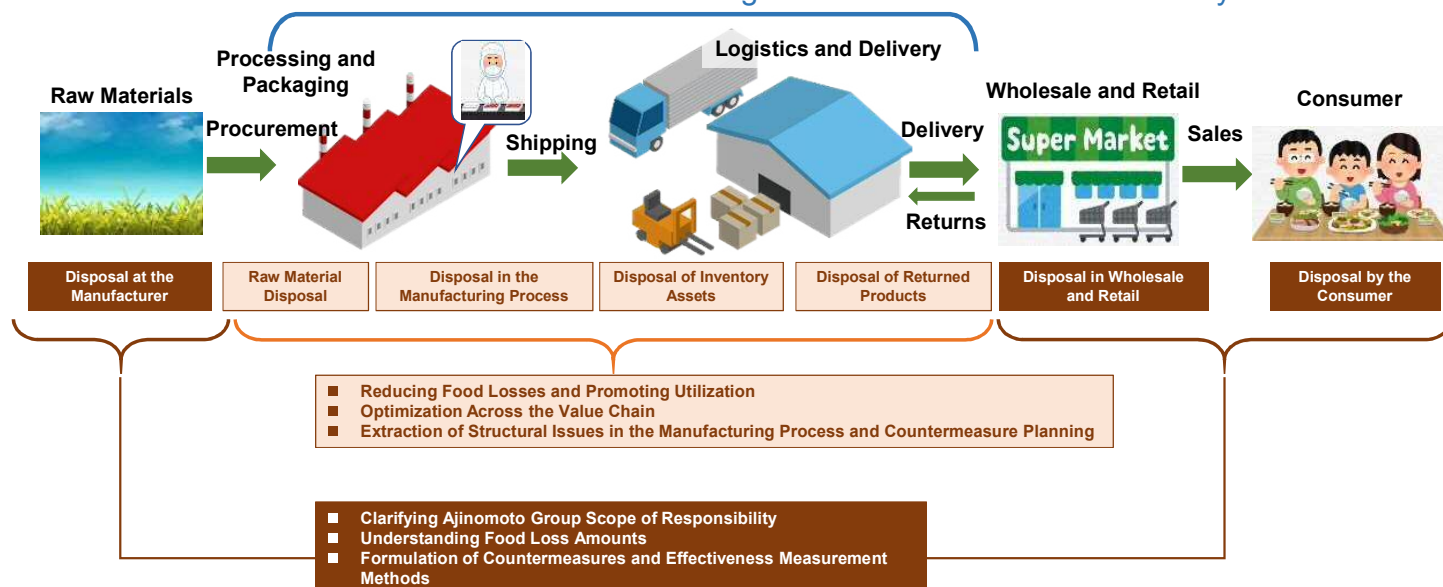
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## Ajinomoto Group Food Loss Reduction Targets and Future Initiatives

2050 50% reduction in food losses over the entire product lifecycle

2025 50% reduction in food loss from receiving raw materials to customer delivery



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## Biocycle (Cyclic Amino Acid Fermentation Production) to Contribute to Sustainable Agriculture

Resource Cycling-type Amino Acid Fermentation Production Methods (Biocycle) to Enrich Regional Agriculture and Sustainably to Procure Crops are introduced in fermentation plants around the world as one of the ways to achieve stable food resources and contribute to sustainable agriculture.

### Main raw material



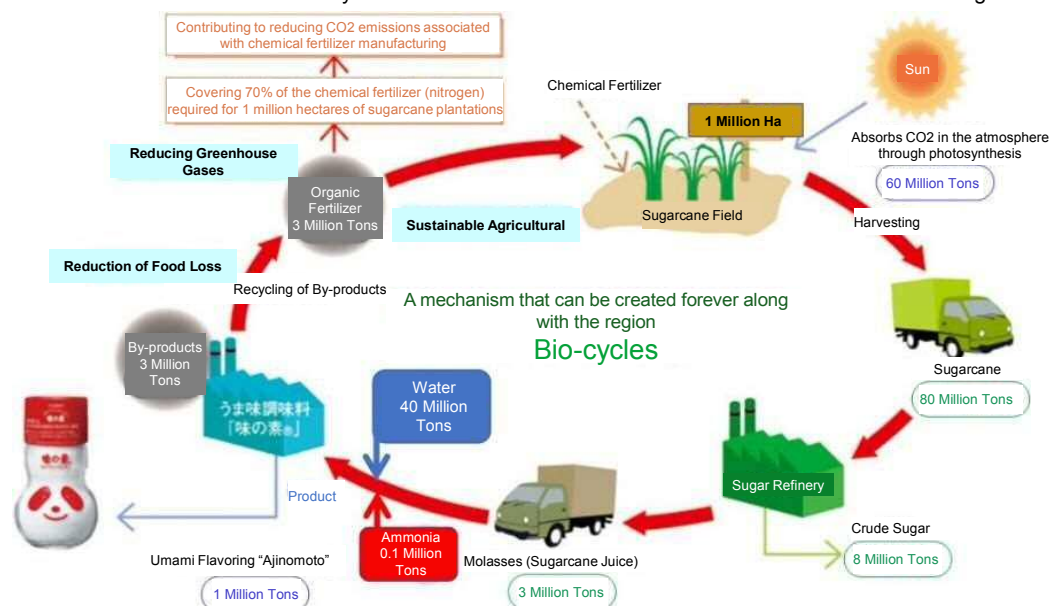
Sugarcane



Corn



Cassava

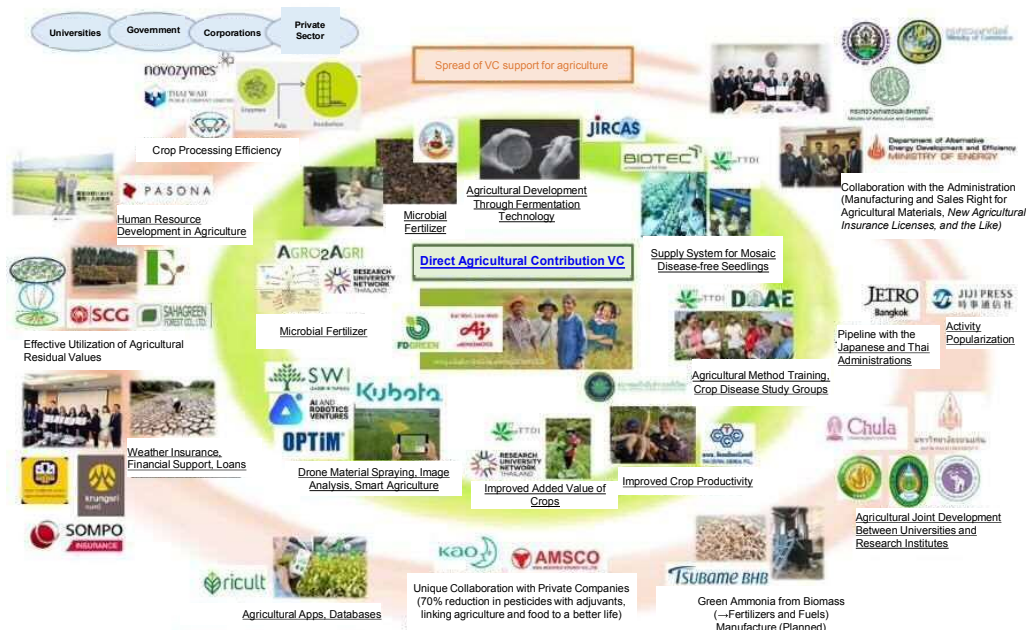


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## Contribution to Sustainable Agriculture: A Case of Thailand's Efforts Towards Renewable Agriculture

Build an ecosystem with about 40 partners that connect fermentation and microbial technology with "aspiration" as their core

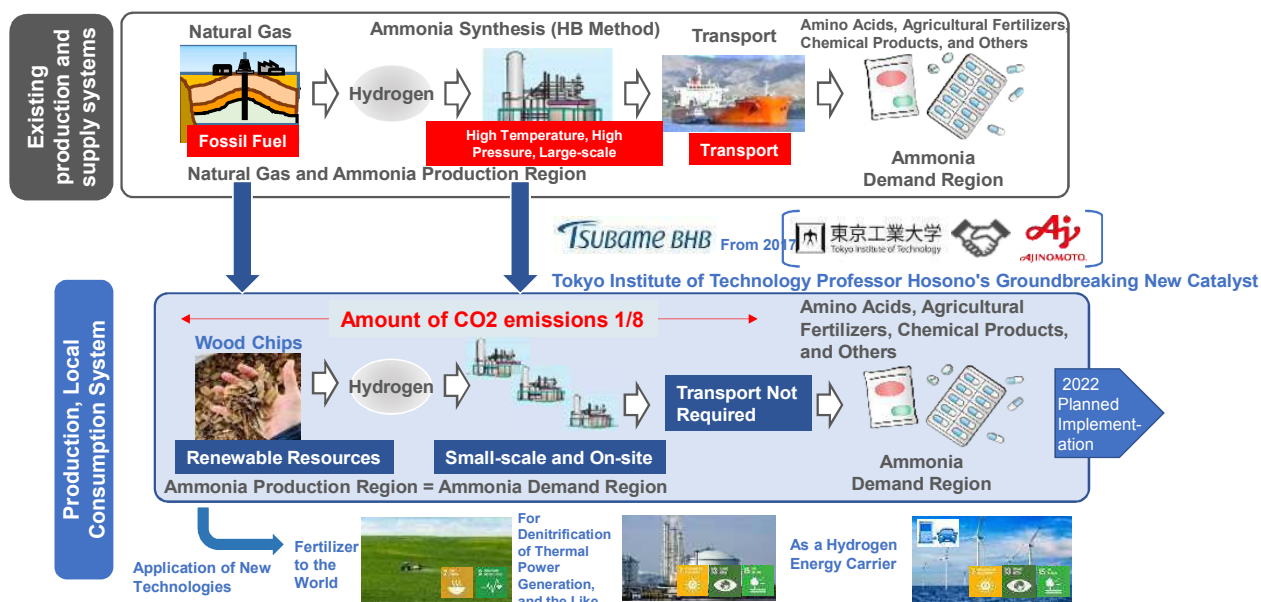


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## Green Innovation in Ammonia Production and Supply

Contribution to **the global environment through the implementation of green ammonia through the use of renewable resources and the building of local-production and local consumption ammonia production and a supply system**, through breakthrough new catalysts.



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**Eat Well, Live Well.**

**Aj**  
**AJINOMOTO.**