Sustainable rural community based on resource-recycling agriculture
～ Kamishihoro Town, Hokkaido

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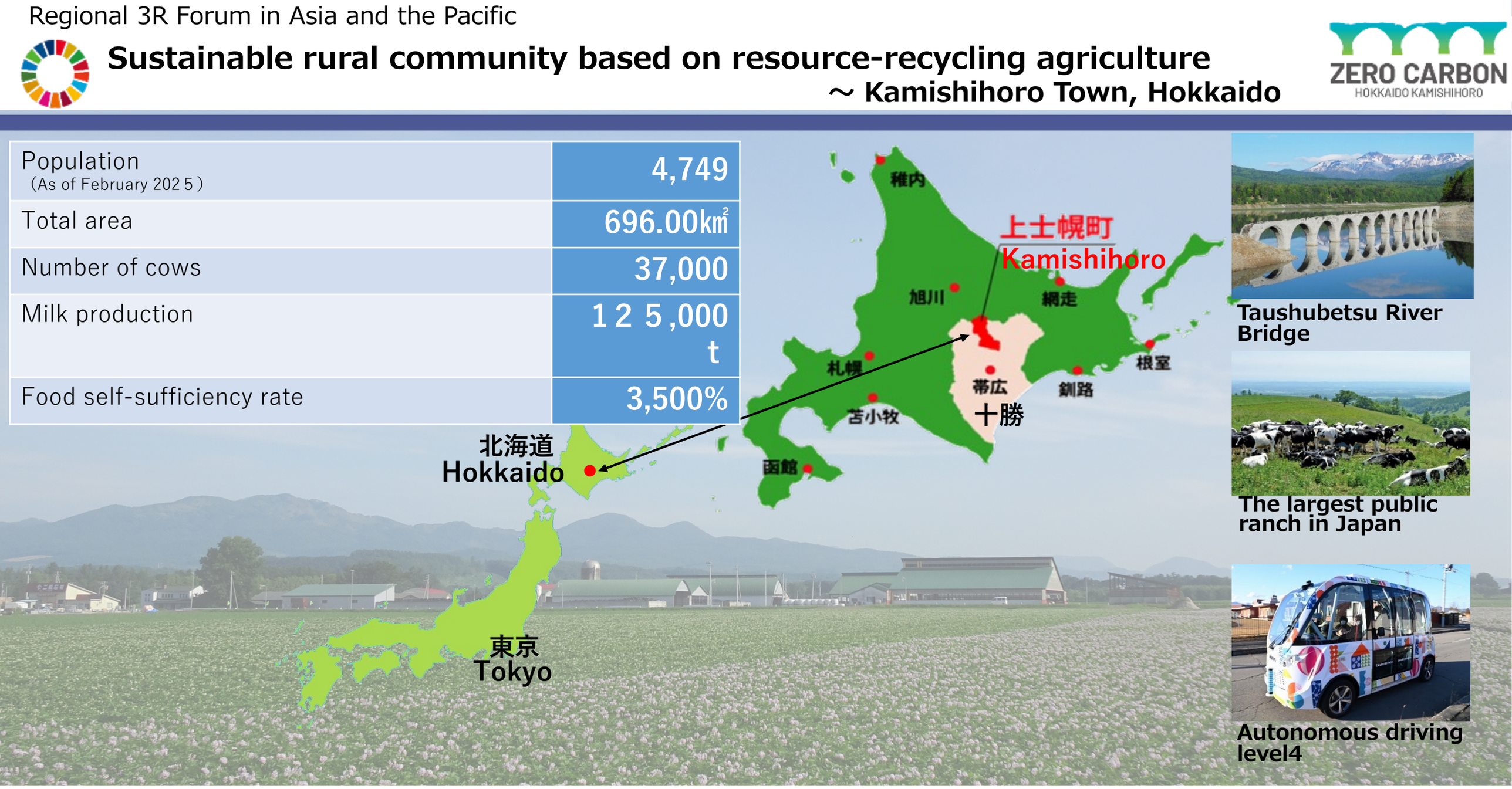
Population (As of February 202 5)	4,749
Total area	696.00㎢
Number of cows	37,000
Milk production	1 2 5 ,000 t
Food self-sufficiency rate	3,500%



Taushubetsu River Bridge

The largest public ranch in Japan

Autonomous driving level4

Kamishihoro Town, Hokkaido　Yasumasa Sato

Biogas Power Generation

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Kamishihoro Town is a town with a thriving dairy and livestock industry.
Due to the expansion of the industry, proper disposal of livestock manure has become a regional issue.

Problem Solving

Resource-recycling agriculture and local production and local consumption

Creating a sustainable region through resource-recycling agriculture

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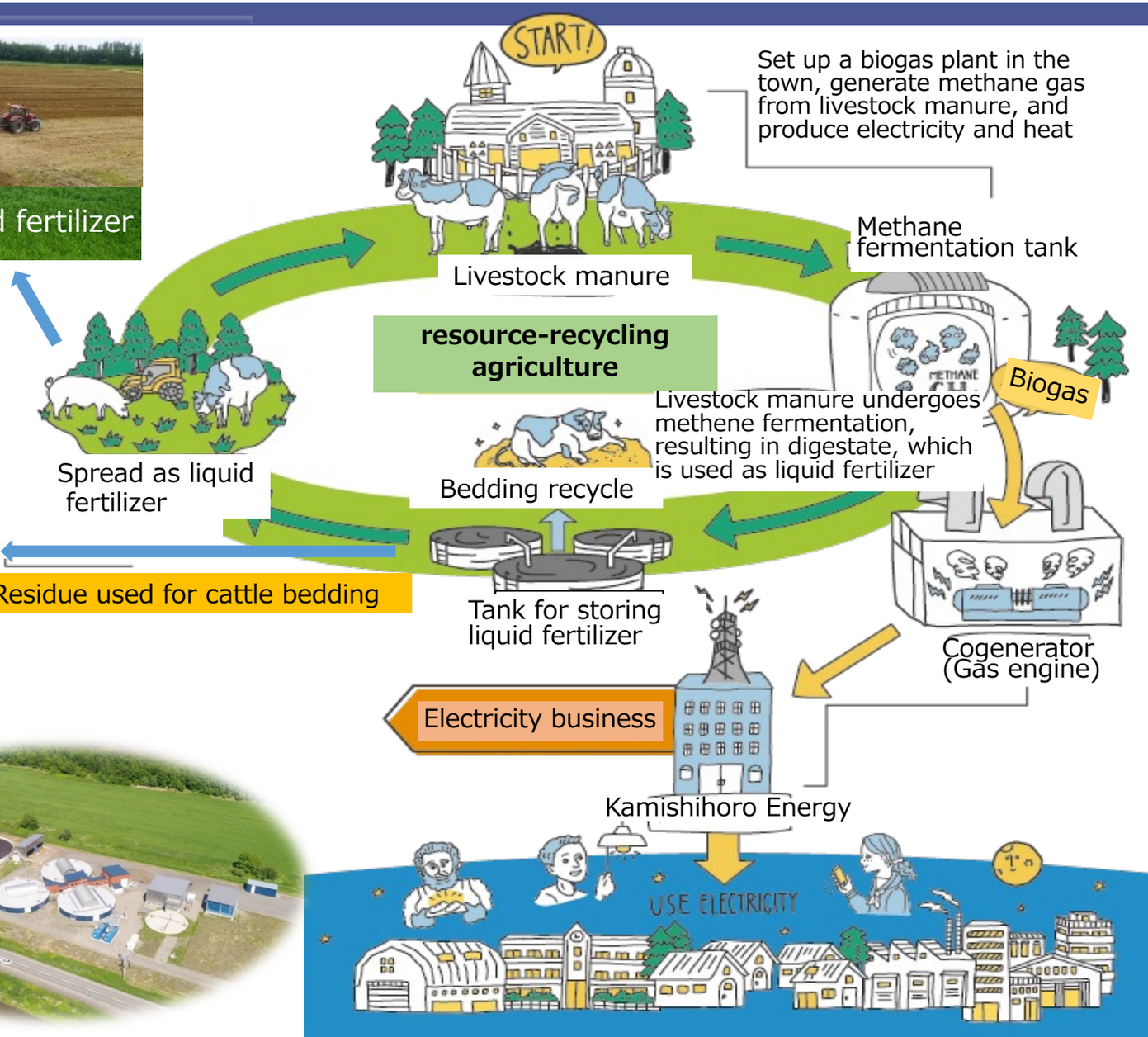
Kamishihoro
Sustainable Agriculture
上士幌町の資源循環型農業への取り組み


bedding for cattle


Spread as liquid fertilizer



Kamishihoro has achieved food self-sufficiency ratio (based on production value): Approx. 3500%
Energy self-sufficiency rate from biogas plant (based on electricity generated): Approx. 100%
* Assumed power consumed by public facilities, Japan Agriculture Cooperation facilities, livestock farmers, and ordinary households

Creating a sustainable region through resource-recycling agriculture

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Dairy/ livestock farms

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Kamishihoro Energy

Power supply

Power supply

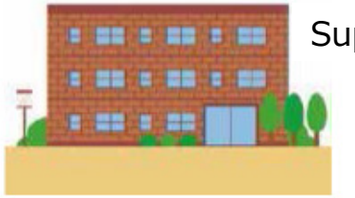
Power supply

Power supply

Supply began in February 2019

Public Facility/ Agricultural cooperative facilities

Supply began in May 2019



Business premises

Supply began in December 2019

Dairy/ livestock farms

Raw material supply
(Livestock manure)

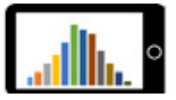
Cooperation

Supply and demand adjustment (Hokkaido Gas)

Data

Cooperation

Biogas power generation company



Visualization of electricity consumption

Supply began in May 2019

Ordinary households in Kamishihoro

Decabonization Promotion Plan

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Promotion of renewable energy and energy conservation and construction of micro-grids

Support for the installation of solar power generation equipment in the region

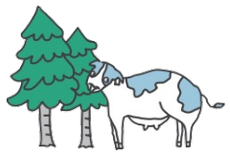
Installation of renewable energy equipment and promoting energy saving in public facilities through the renovation of the town hall building.

New initiatives of large-scale solar power generation through public-private sector collaboration.

Microgrid construction for disaster prevention facilities, etc.

Decarbonization for the entire town

Effective use of biomass resources



Resource recycling through appropriate treatment of livestock manure in the biomass plants.

Consider using energy resources from woody biomass and food waste.

Foster awareness of renewable energy and energy saving

Establish a system to give points for environmentally friendly actions by residents

Environmentally Friendly Circulation of Green Resources

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CO_2 absorption in Kamishihoro forests and CO_2 emissions from the respiration of about 5,000 residents

Forests and green manure absorb 97 years' worth of CO_2 emitted by the residents of Kamishihoro

Area of forests in Kamishihoro (national, town and private forests)
49,764.92ha

Forest Management

Forests + Green manure CO_2 absorption
142,940 t-/year

SDGs for Children Who Will Lead the Next Generation

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30-hour SDGs Curriculum per year for the 5th grade

Learning about the water cycle and renewable energy (5th graders)

Nukabira hydroelectric dam
(Lake Nukabira, Kamishihoro Town)

Learning about the importance of food and the food cycle (4th graders)

School lunch

Composting food waste

Crop cultivation

Cooking the harvest

Food cycle

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Thank you for kind attention