

NTT EAST Tokyo Musashino Branch

"It goes on forever, for the region's Milai" Narration Manuscript

NA1)

Japan loses about 5.23 million tons of food annually. This means that every citizen throws away as much food as one rice ball every day.

NA2)

The city of Chofu, which aims to create a recycling-oriented society, and the NTT EAST Group, which aims to generate energy and fertilizer from food waste, are working together to recycle resources in the region.

Title) "For the Milai of the region, which goes on forever"

Teacher's Voice)

"Today's menu! Tomato tan-tammen, crispy salad!"

Child's Voice)

"I'll take it!"

NA3)

Chofu Municipal Jindaiji Elementary School ... This school is working to minimize the amount of leftovers. Today's menu is Tantanmen with plenty of tomatoes. These tomatoes, where they came from ...

NA4)

NTTe-City Labo in Irima Town, Chofu City. Here, state-of-the-art house cultivation using local 5G is carried out.

NA5)

Cultivation instruction from a distance using ultra-high-resolution camera images. We aim to solve the shortage of farmers and realize "continuous agriculture."

Bright red tomatoes from Chofu ... "Locally grown for local consumption."

NA6)

And vegetable scraps left over from cooking go to NTTe-CityLabo again.

Here, methanogens ferment vegetable scraps and produce liquid fertilizer and renewable energy.

NA7)

This is a new initiative called "energy-producing resource recycling," in which waste materials are used without waste and transformed into useful materials.

Mori Interview)

"In particular, we believe this is an advanced initiative for biogas plants. I paid the most attention to how the kids could see this as their own thing."

NA8)

We want to expand these efforts to younger generations who support the future of the region ...

With this in mind, we offer a wide range of environmental learning opportunities from nursery schools to elementary and junior high schools.

NA9)

Among these, the collaboration between industry, academia, and government has enabled environmental learning for first-year junior high school students at Dolton Tokyo Gakuen. Kyoto University Assistant Professor Odoi, who is interested in our efforts, has decided to cooperate with us.

NA10)

In addition to learning about the mechanism of resource recycling, students themselves create liquid fertilizer and renewable energy ... This is a special class to raise students' curiosity.

NA11)

In 5 classes, food waste from cooking practice in home economics is fermented to produce methane gas. In the combustion experiment, the students looked delighted at the blazing blue flame.

Student Interview)

"We can make new energy, we can make fertilizer ... it's amazing."

NA12)

To conclude the environmental study, the produced liquid fertilizer was sent to a Komatsuna planter.

Then, about 20 days after sowing, the leaves were spread wide.

NA 13)

Creating useful things and recycling resources from the things we used to throw away ...
Through local attractiveness, people's thoughts, and ICT, a circular future is realized.