

Bringing Back Vitality to the Region by Restoring Agriculture



Yasunori Suzuki Ido Agricultural Cooperative

In the earthquake and tsunami, my home was washed away, and my farm, which was on a plain, was covered in mud and debris. Many of my friends were also lost to the disaster. I was despondent for some time, but I worked together with 15 colleagues with the same passion for agriculture and we founded an agricultural cooperative in 2013. After the soil was desalinated, we began testing crops. Through trial and error such as losing all the lettuce crops, we planted green onion and succeeded in harvesting a crop of sweet and delicious plants. The Green

Onion Festival celebrates the harvest, and it was lively with many guests. Going forward, we want to continue making the venture more profitable in order to increase employment and long-term residents of the area.



The Green Onion Festival (December 2016) lively with families

Supporting Affected Farmers from Their Perspective

Soon after the earthquake and tsunami, I set about volunteering to clear the mud and debris in the tsunami-affected areas. In April 2011, I launched a group with the students I had worked with at that time, and we began helping the disaster-affected farms rebuild. We brought on young volunteers from around the country and worked together. We aimed to look at things from the perspective of the disaster-affected people and to support their lives and livelihoods.



Harvesting plentiful crops from the disaster-affected

Since farming has resumed, various programs like farm work, sale of crops, and events have allowed us to continue engaging with local residents towards reconstruction and vitalizing the region.



Tsuyoshi Hirose
ReRoots Foundation

SENDAI INFORMATION

Restoration of Damaged Farmland (%) 100 1,760ha 1,860ha 100% 80 1,460ha 78% 60 40 560ha 20 FY 2011 FY 2012 FY 2013 FY 2014

Farmland Development



Right of the road: farmland pre-development Left of the road: rezoned larger farmland

Eastern Sendai's farmlands, which were struck by the tsunami, are pursuing increased productivity and more efficient management, with smaller farms congregating together to rezone into larger one hectare plots. In 2014, farming began in the rezoned areas.





An evacuation center opened in the gymnasium



The Sendai Station bus stop area filled with



Accumulative Community Disaster Preparedness Leaders **Operation Manuals**



Evacuation Centers with Their Own



Stranded commuters:

Workers, students, tourists, and other people stranded and unable to return to their homes after public transit facilities were halted following the disaster

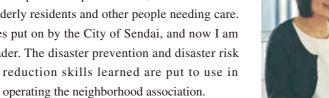
² Temporary stay locations:

Sites used as temporary places for stranded commuters around the station. They also provide traffic information on how to get home. Twelve of these sites have been set up around Sendai Station after the Great East Japan Earthquake.

Leading Disaster Risk Reduction on a Community Level

I live in the Fukuzumimachi area, which was subject to flooding before. This led local residents to create an independent disaster preparedness manual and work with local organizations to hold drills. Thanks to these efforts, when the Great East Japan Earthquake struck, we were able to smoothly confirm the safety and whereabouts of elderly residents and other people needing care. After the earthquake, I took part in training courses put on by the City of Sendai, and now I am active as a Community Disaster Preparedness Leader. The disaster prevention and disaster risk

Collaborating with junior high schoolers on disaster prevention drills organized by the neighborhood association



I believe that local safety is something

residents are responsible for. To that end,

interacting with others through local festivals

and other events is important, as is conveying to children the importance of safe community

building, both now and into the future.

Yukiko Ouchi Sendai City Community Disaster Preparedness Leader

Public and Private Sector Come Together for Measures Against Stranded Commuters

The Great East Japan Earthquake caused railroads and other public transportation to come to a halt, with JR Sendai Station being forced to close. The number of people who congregated at the station reached 11,000. The roads were overflowing with people, and the near by evacuation centers were also creating havoc. Based on this experience, in 2013 a council to plan measures against the possibility of stranded commuters in future disasters was launched



Training held around Sendai Station had 350 participants based on a stranded commuter situation scenario

This council consisted of the City of Sendai, railroad companies, businesses in local shopping arcades, universities, and other organizations and firms, twenty in total. A protocol for dealing with stranded commuters has been put in place, and temporary stay



locations² have been secured within private sector buildings, with drills being held each year. Going forward, we want

to get more collaborators and enhance our ability to cope with these cases.

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Distributing Disaster Information in Multiple Languages

For foreign people in Japan, obtaining accurate information at the time of a disaster can be difficult. Since 2005, Sendai FM Broadcasting has been working with the Sendai Tourism and Convention and International Association (SenTIA¹) to offer space on radio programs where foreign residents discuss their own experiences with the earthquake and with disaster prevention. Since we knew each other, when the earthquake occurred, SenTIA members fluent in other languages came to the studio right away to help us convey disaster-related information



in English, Chinese, Korean, and easy Japanese. In this way, these day-to-day efforts helped in the actual event of a disaster. We plan to continue broadcasting the program.



Noriko Ishigaki Sendai FM Broadcasting, Inc.

Recording the program in March 2011

Disaster Prevention in a Multicultural Community



Hitoshi Konno Katahira Area Community Planning Group

The Katahira area is located close to the center of Sendai and is where many foreign people such as international students live. During the Great East Japan Earthquake, foreign people came to the evacuation centers, but differences in culture and customs caused some confusion with local residents. What we learned was the need to pursue mutual understanding and interaction on a daily basis in order to prepare for emergencies. Seeking to

have international students more actively take part in the disaster prevention drills after the earthquake, we have them engage directly from planning the drills to distributing rice and food on the days of the drills. We would like to keep creating an environment that is open and fosters better communication between residents.



Foreign residents taking part in local disaster prevention drills

SENDAI INFORMATION

Foreign Residents in Sendai (Population based on basic resident register)

11,582

1,080,263

(as of April 1, 2017)



Multi-lingual sheets prepared in evacuation centers



Disaster prevention pamphlets in 11 languages

¹ **SenTIA:** a public interest organization that supports foreign people, promotes international understanding, and organizes various tourism-related programming. It is engaged in the work introduced on pages 18 and 19.