



Universal Design in Disasters



~Protecting People Beyond Language Barriers~

〈Problem discovery〉



How can foreigners evacuate smoothly in a disaster?

The principle of universal design

- 1 Fairness
- 2 Freedom
- 3 Simplicity
- 4 Clarity
- 5 Safety
- 6 Energy-Saving
- 7 Spatiality

universal design for information



universal design

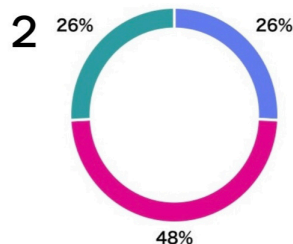
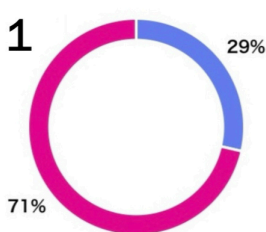
utilizing universal design

Communicating disaster information

Creating a disaster prevention website for foreigners

〈Current status survey〉

Interview



Result

Necessary to guide foreigners

Is it hard to help all foreigners in Okinawa in a disaster?

〈Hypothesis〉

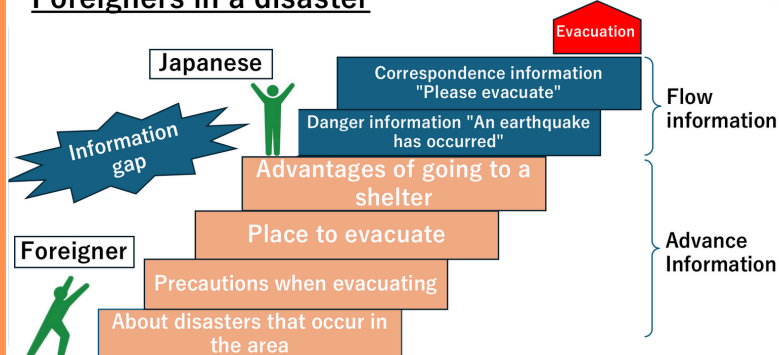


By increasing the amount of **advance information** that foreigners have, they may be able to **act calmly and independently**.

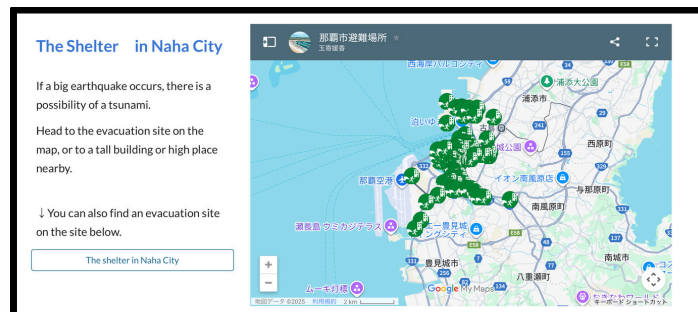
〈Consideration〉

What is advance information?

Foreigners in a disaster



〈Execution〉



→ Can be checked quickly

In order to minimize damage, it is extremely important to take right action without panicking. To do so, it is important that you should be prepared for earthquakes on a daily basis so that you can be interested in earthquakes and act calmly in an emergency.



☆Indoors



House



Apartment

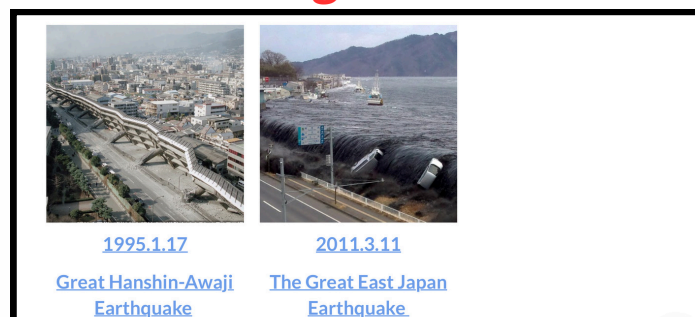


Workplace



Shopping mall

→ Act according to the situation



→ Easier to imagine a disaster