



# Universal Design in Disasters

～Protecting People Beyond Language Barriers～



## 〈Problem discovery〉



How can foreigners evacuate smoothly in a disasters?

The principle of universal design

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

universal design for information



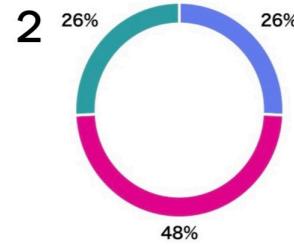
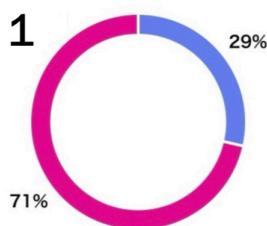
universal design

utilizing universal design

Communicating disaster information

## 〈Current status survey〉

### Interview



### Result

Necessary to guide foreigners

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

## 〈Hypothesis〉

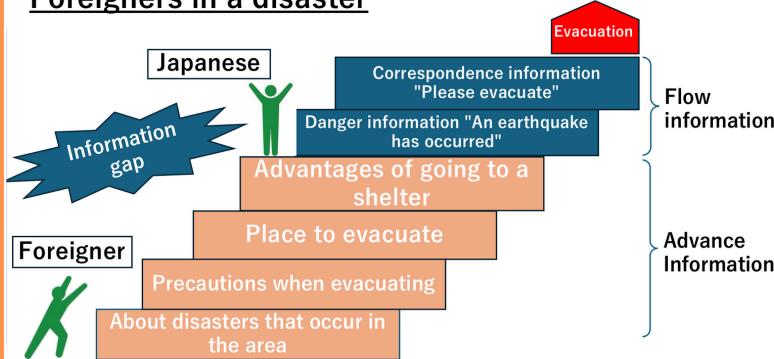


By increasing the amount of **advance information** that foreigners have, they may be able to **act calmly and independently**.

## 〈Consideration〉

What is advance information?

### Foreigners in a disaster



## 〈Execution〉

### The Shelter in Naha City

If a big earthquake occurs, there is a possibility of a tsunami. Head to the evacuation site on the map, or to a tall building or high place nearby.

↓ You can also find an evacuation site on the site below.

[The shelter in Naha City](#)



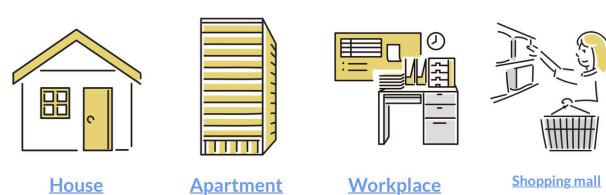
→Can be checked quickly

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



→Act according to the situation



1995.1.17  
Great Hanshin-Awaji Earthquake



2011.3.11  
The Great East Japan Earthquake

→Easier to imagine a disaster