

# Disaster relief

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## Disasters that happened in Hokkaido

### • Earthquake

On July 12, 1993, Nansei Oki earthquake happened. The earthquake caused big damage and loss of people's lives on Okushiri Island. Most of the damage and loss of lives was caused by tsunami and large fire. 202 people were killed, 28 are missing. 540 houses were completely destroyed by tsunami and fire.

### • Typhoon & Heavy snowfall

Hokkaido was thought to have no disastrous typhoon, but last year, 3 typhoons caused landslide. Also recently heavy snowfall caused lots of accidents and injury. The stricken area has moved from east side to west side because of the climate change.



### • Eruption

On March 31, 2000, the western flank of the Mt. Usu erupted at first. Sented white smoke and ash over a large area. The second eruption spewed hot rock and steaming mud. No loss of life, however, 234 houses were completely broken.



## Problems

### • Lack of information

- traffic condition
- efficiency of evacuation
- difficulty in getting water, food, energy supply

### • Insufficiency of communication network

- Spread of wrong information
- the main route of telephone network was cut down but the sub route was not used.
- Shortage of manpower
  - life support such as food supply, laundry service and medical care
  - to remove debris and snow

## Solutions

- Encouraging people to share information through SNS

In the Great East Japan earthquake a lot of people could get the information only through SNS

### • Establishing volunteer coordination system

In the US and Canada student makes organizations for volunteer coordination

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