SIP Cross-ministerial Strategic Innovation Promotion Program
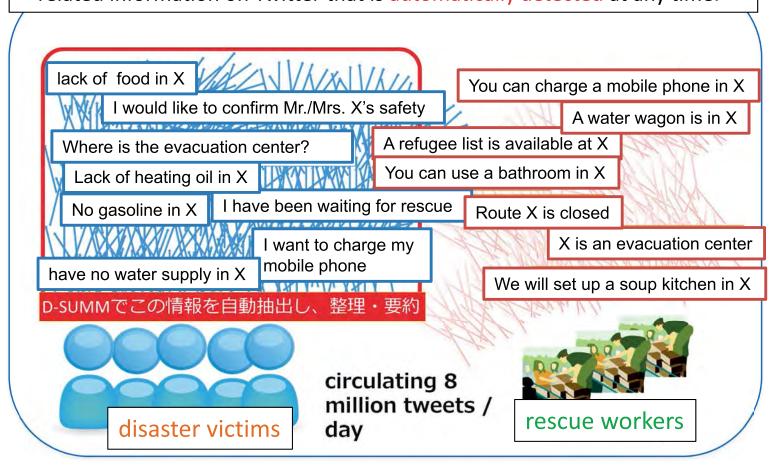
Disaster-information SUMMarizer: D-SUMM

1D

Disaster-related information on SNS is automatically extracted and summarized to easily apprehend disaster situations on a Web browser

D-SUMM alerts disaster relief organizations via e-mail to a burst of disaster-related information on Twitter that is automatically detected at any time.

lack of food in X

I would like to confirm Mr./Mrs. X's safety

Where is the evacuation center?

Lack of heating oil in X

No gasoline in X

I have been waiting for rescue

I want to charge my mobile phone

have no water supply in X

You can charge a mobile phone in X

A water wagon is in X

A refugee list is available at X

You can use a bathroom in X

Route X is closed

X is an evacuation center

We will set up a soup kitchen in X

D-SUMMでこの情報を自動抽出し、整理・要約

circulating 8 million tweets / day
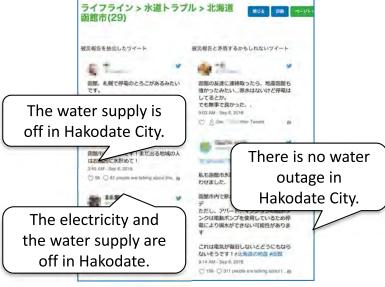
disaster victims

rescue workers

Supports evacuations and disaster relief by providing a big picture of a large-scale disaster that automatically extracts, summarizes, and organizes disaster-related information for each local government in real time.

Examples during the 2018 Hokkaido Eastern Iburi Earthquake

地図データ©2018 Google, ZENRIN

The water supply is off in Hakodate City.

The electricity and the water supply are off in Hakodate.

There is no water outage in Hakodate City.

Extracted disaster report

Its contradictory information

D-SUMM can display the summarized information on a map so that rescue workers can easily assess the situation.

Helping in the assessment of information credibility by presenting contradictory information

Map display operation enables us to

easily identify the points at which to focus relief activities

◆ **Contact address** ◆

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◆ **Disaster-information SUMMarizer D-SUMM** ◆

publicly available at
https://disaana.jp/d-summ

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