# Data Compression by Text Segmentation

無事

**Normal period**
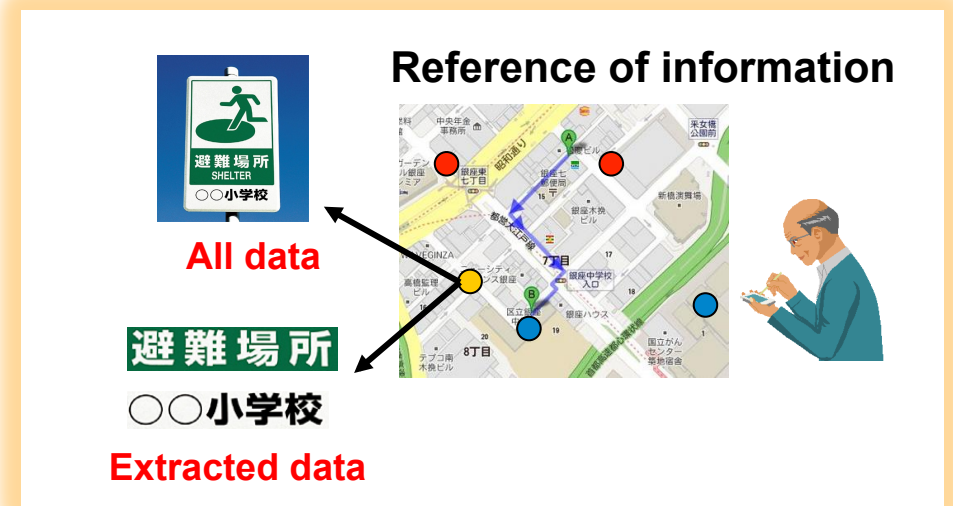
**Send and store all the image data**

**Database on the cloud**

**Text region has important information**

**When congestion occurs**

避難場所
SHELTER
○○小学校
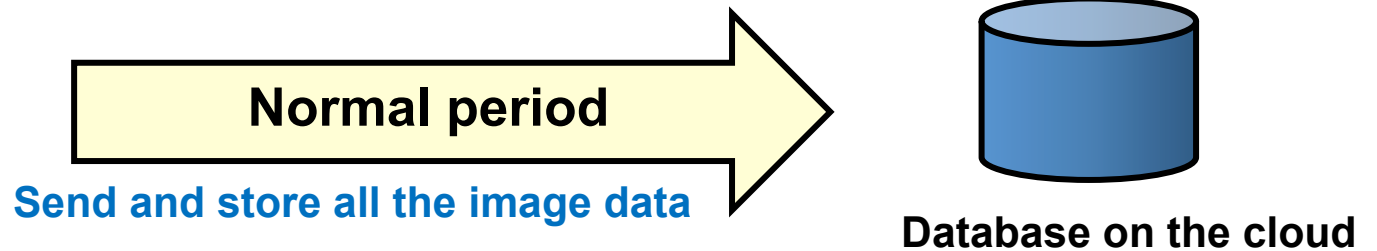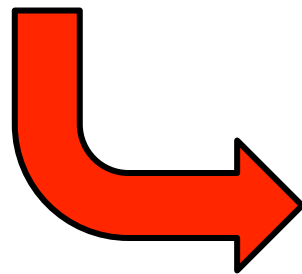
Text region segmentation on the terminal

文字領域の選択
文字領域をタッチして選択してください

OK

**Extraction and selection of text region**

避難場所

○○小学校

**Send and store only segmented images**

**Reference of information**

避難場所
SHELTER
○○小学校

**All data**

避難場所
○○小学校

**Extracted data**
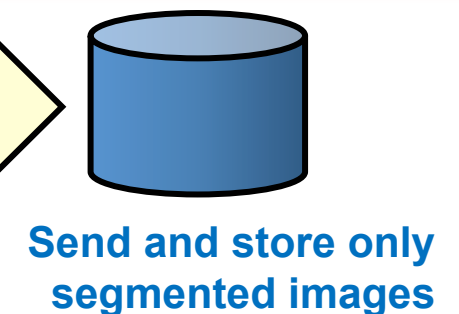
# Data compression by image feature extraction

無事

**Normal period**

**Send and store all the image data**
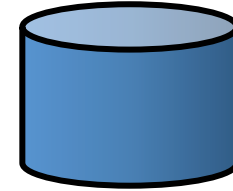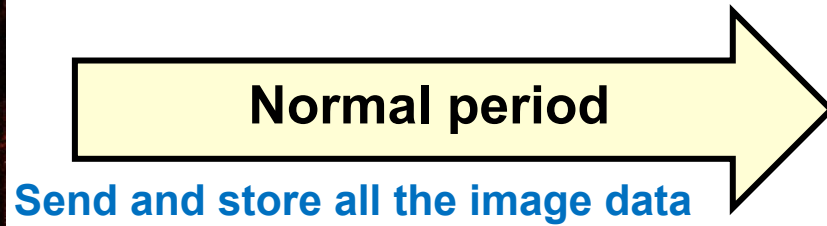
**Database on the cloud**

**Situation of the damage is determined by image information**

**Reference of information**
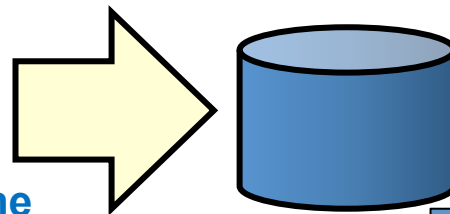
**All data**

**Fire**

**Detected phenomenon**
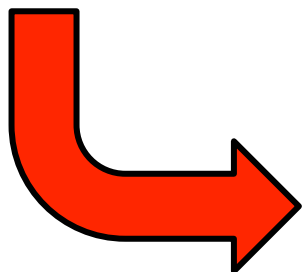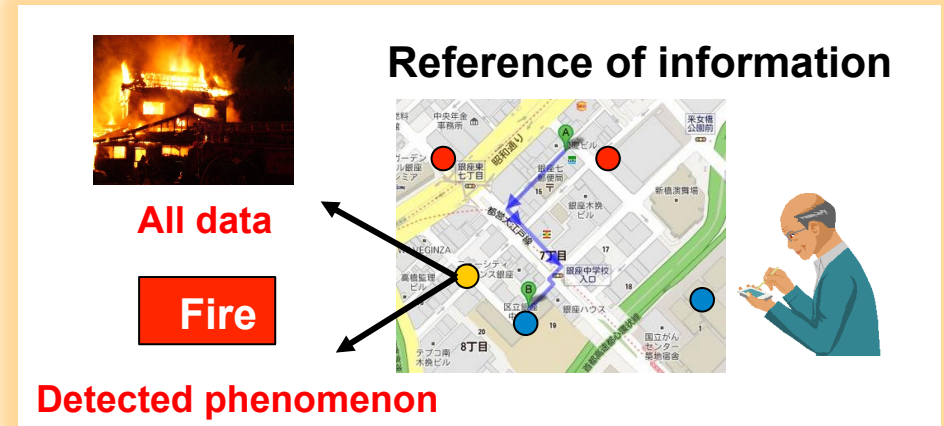
**When congestion occurs**

**Image feature extraction on the terminal**

(x1,y1)[0.5,0.7,0.3,・・・]
(x2,y2)[0.4,0.6,0.5,・・・]

**Numerical data generation**

**Numerical data transfer**

(x1,y1)[0.5,0.7,0.3,・・・]
(x2,y2)[0.4,0.6,0.5,・・・]

**Phenomenon detection by features**

| Flood | Fire | Collapse | Closure |
|-------|------|----------|---------|

**Situation detection on the server**