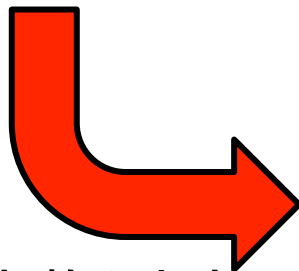


無事

# 文字領域切り出しによる画像データ量の縮小



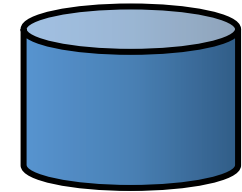
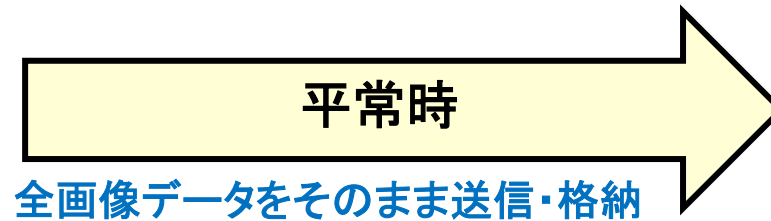
画像情報の中でも文字領域の情報は重要である



災害による輻輳発生時



端末側での文字領域の切り出し

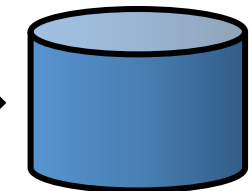


クラウド上のデータベース



文字領域の抽出と選択

避難場所  
〇〇小学校



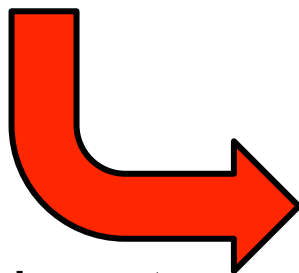
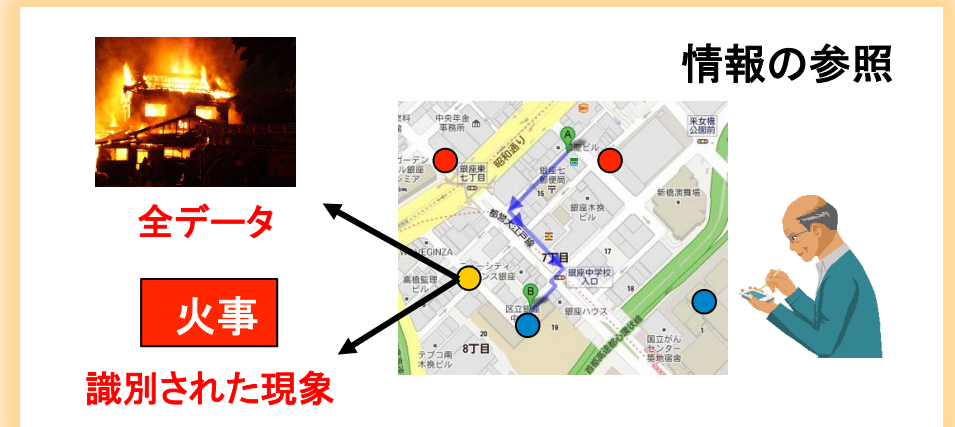
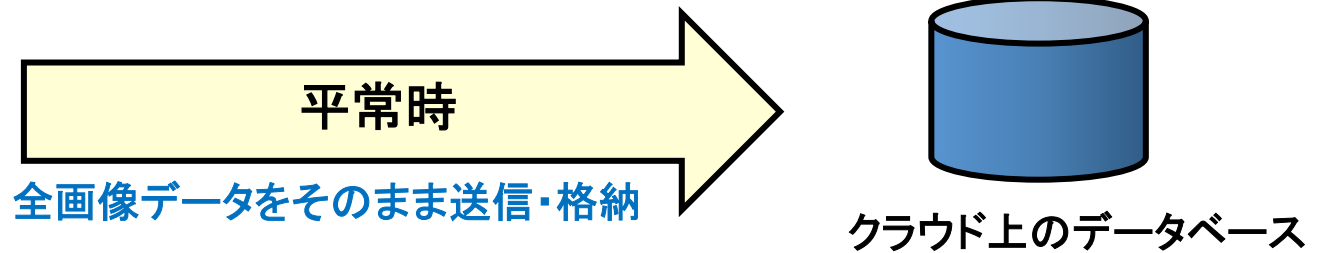
切り出し画像のみを送信・格納

無事

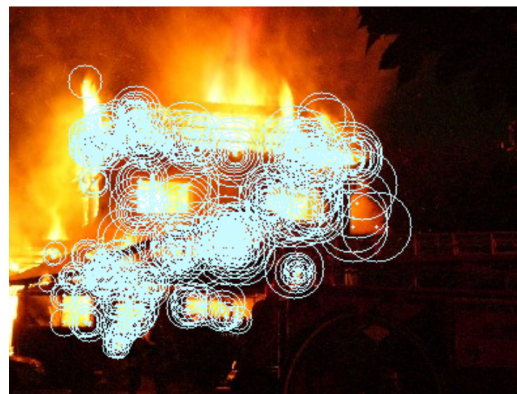
# 画像特徴点抽出によるデータ量の縮小



災害現場の画像情報により  
被害の内容が識別できる

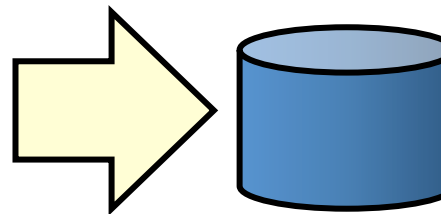


災害による  
輻輳発生時



端末側での画像特徴点抽出

数値データ化  
 $(x1,y1)[0.5,0.7,0.3,\dots]$   
 $(x2,y2)[0.4,0.6,0.5,\dots]$



数値データ送信

$(x1,y1)[0.5,0.7,0.3,\dots]$   
 $(x2,y2)[0.4,0.6,0.5,\dots]$

特徴点パターンから現象特定

洪水 火事 倒壊 閉鎖

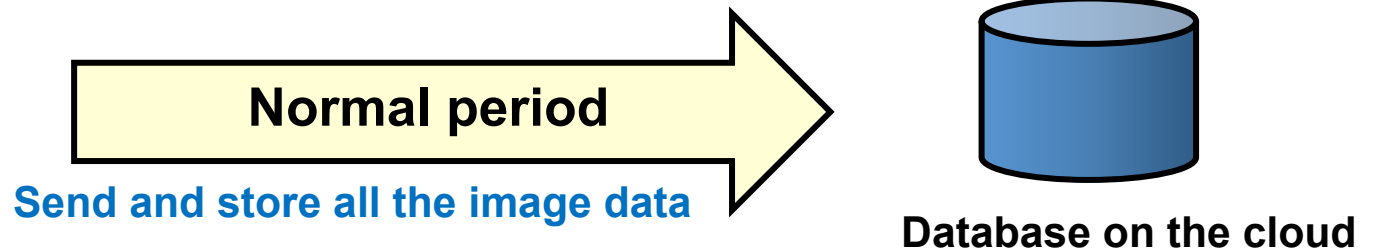
サーバ上での状況特定

無事

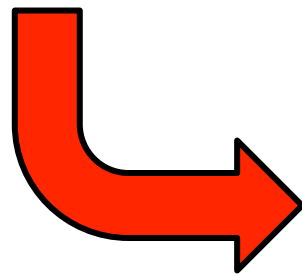
# Data Compression by Text Segmentation



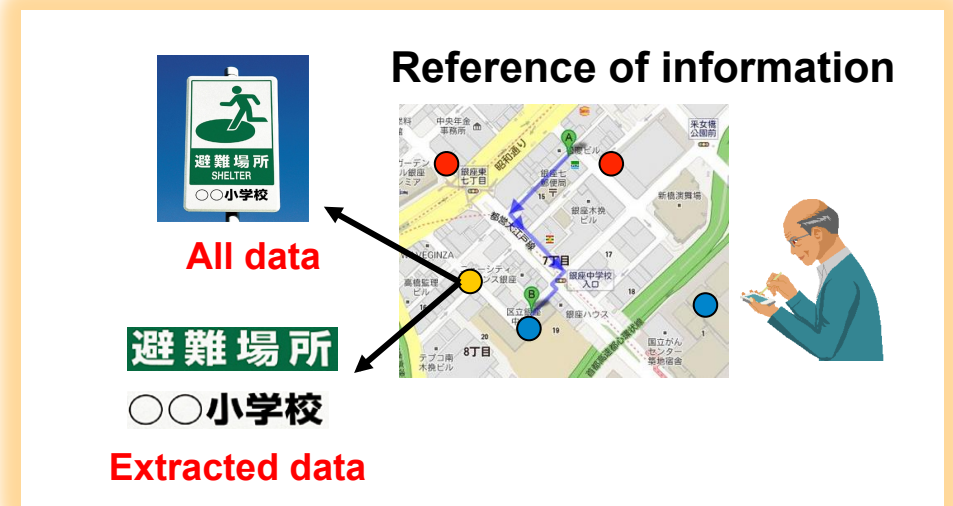
Text region has important information



When congestion occurs

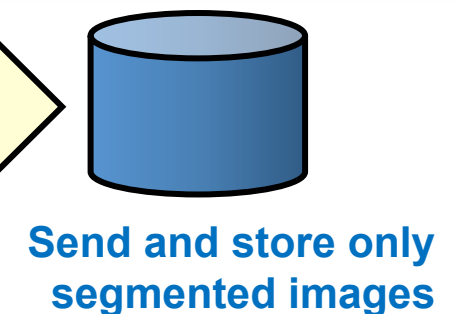


Text region segmentation on the terminal



Extraction and selection of text region

避難場所  
〇〇小学校

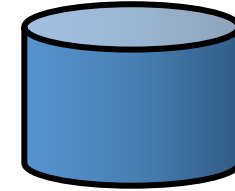


無事

# Data compression by image feature extraction

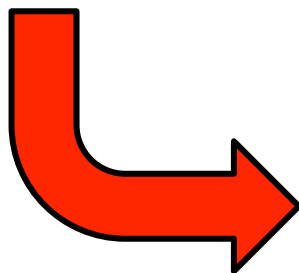
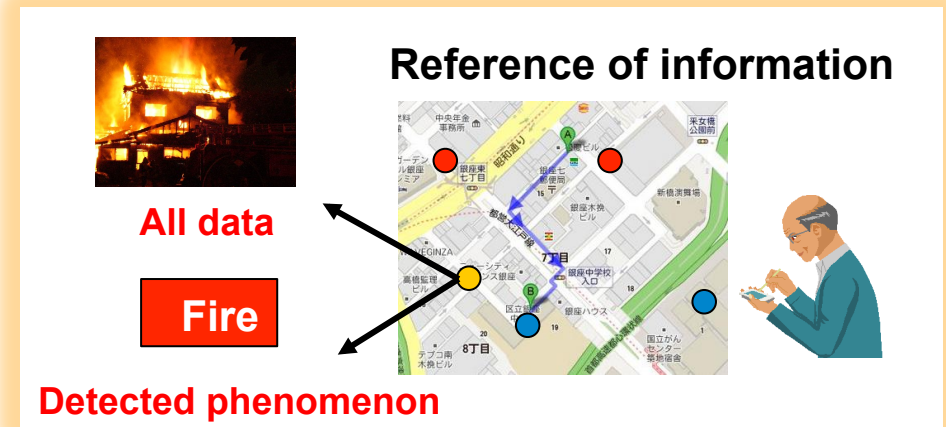


**Normal period**  
Send and store all the image data



Database on the cloud

Situation of the damage is determined by image information



When congestion occurs

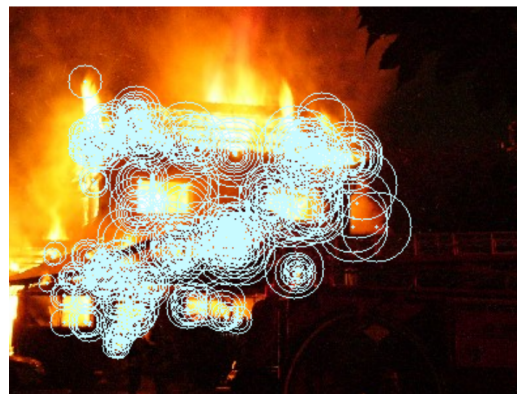
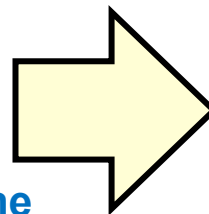


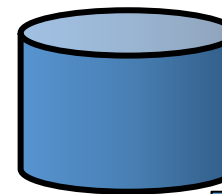
Image feature extraction on the terminal

$(x1,y1)[0.5,0.7,0.3,\dots]$   
 $(x2,y2)[0.4,0.6,0.5,\dots]$

Numerical data generation



Numerical data transfer



$(x1,y1)[0.5,0.7,0.3,\dots]$   
 $(x2,y2)[0.4,0.6,0.5,\dots]$

Phenomenon detection by features

Flood	<b>Fire</b>	Collapse	Closure
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Situation detection on the server