ALANDIS DISASTER

Real-time information management system

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WHAT IS ALANDIS DISASTER?

ALANDIS DISASTER is a comprehensive online disaster management system tailored specifically for local governments.
The disaster management system provides real-time weather information and hazard maps as well as data updates. ALANDIS DISASTER allows local administrators to provide up-to-date information to local communities.

BE INFORMED, BE PREPARED WITH ALANDIS DISASTER



RELIABLE AND STABLE CLOUD SERVICES

ALANDIS DISASTER uses a cloud-based platform for real-time information sharing and coordination within local governments. The platform is designed to function during and after a major disaster. This enables the local population to access updated disaster information anywhere and anytime.

Hazard

Earthquake Tsunami Land Slide Cyclone Storm Surge Flood Volcano

Solution Purpose

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Prevention & Mitigation Preparedness Response Recovery

Solution Theme

Research & Investigation Risk Assessment Disaster Prevention Plan Infrastructure Technology Information & Communication Technology Education & Training Evaluation

Technology Subject

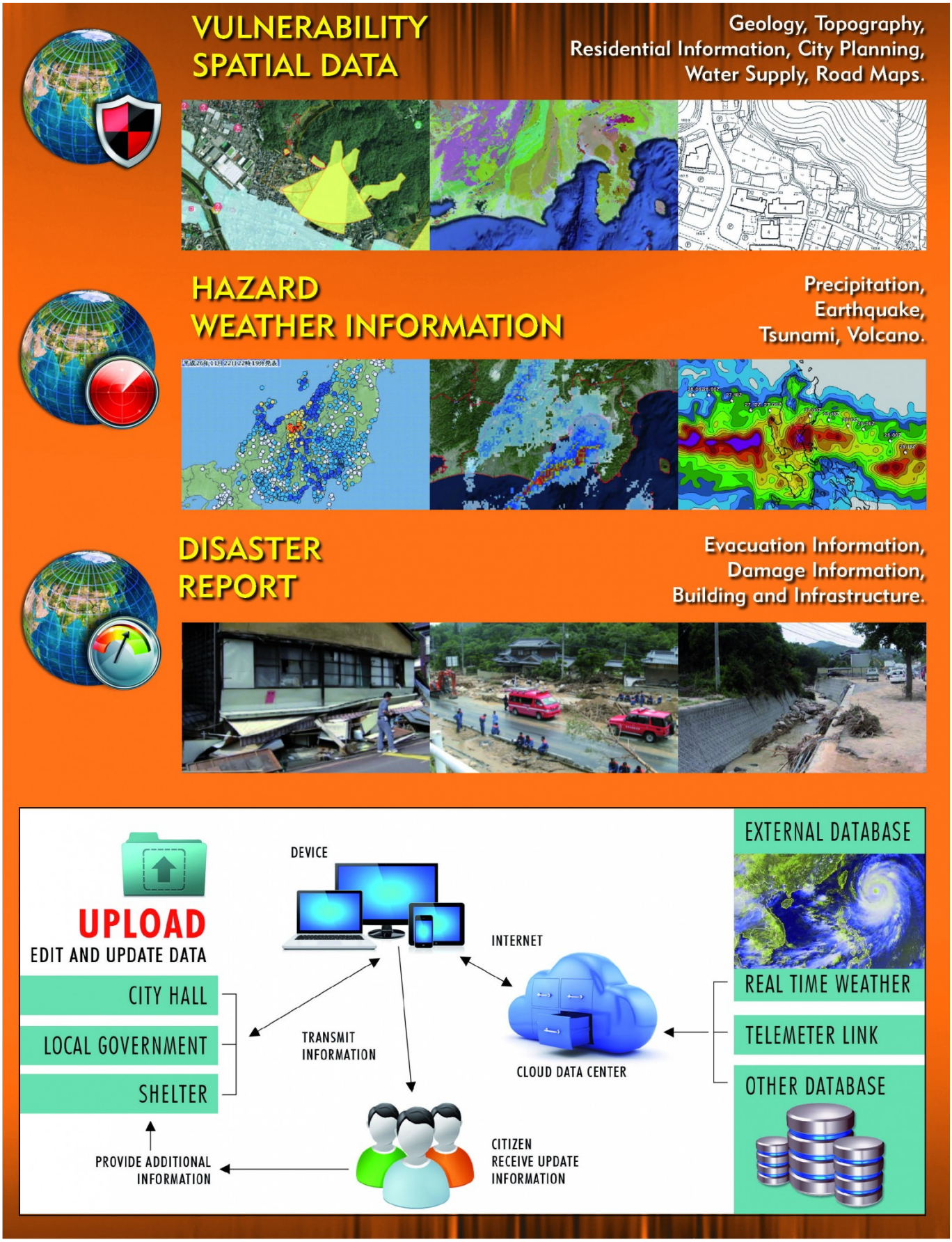
Site Investigation Hazard Identification Risk Monitoring Mitigation Plan Plan for Relief & Recovery Support Urban Information Gathering Information Analysis & Judgement Information Communication Training & Exercises Post Disaster Evaluation Post Training Evaluation

Advantages

ALANDIS DISASTER is a GIS based disaster information system for collect information quickly and accurately when disasters occur.
The characteristics of the system are:
1. Support collecting and management for information that necessary for disaster treatment
2. Support decision making when disaster occur
3. Visualization and support action plan

Solution Illustrated

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Background

Government offices and local governments, which are in charge of disaster response, have to provide accurate and immediate information when disasters occur. However, once disasters occur, the situation

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changes moment to moment so that it takes time to understand the various information and take appropriate measures. To solve this problem, AAS has developed Real-time information management system, ALANDIS DISASTER, which enables government offices and local governments to provide up-to-date information and support their decision making.

Exposition of the Solution

1. A system for support efficient information collecting for appropriate initial response while disasters occur and quick decision making.
2. Main functions and effectiveness:

1) Information collecting: Collect information for disaster response, sophisticate, standardize and then labor save for management. The staffs can concentrate on disaster treatment by manage the real-time weather information, local hazard maps, disaster reports into GIS.
2) Decision making support: Support decision making by display the collected information on GIS and graphs. Appropriate judgments and decisions will be needed since the situation may change quickly during disasters occur. The system simply displays information that necessary for decision making.
3) Visualization and support action plan: By summarize and visualize the collected information, treated contents, site situation, the whole situation of disaster can be overlooked. Moreover, the system supports disaster treatment according to disaster prevention and mitigation action plan.

3. Unified management by collect and summarize related information such as weather information, hazard maps, disaster reports to GIS
4. Provided by clouds services

Achievements of Examples

1. Disaster information sharing inside municipality
2. Support decision making link with weather observation such like telemeter

Other References

ALANDIS DISASTER INFORMATION leaflet (Japanese)

Corporate Profile

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