Information Dissemination in Fukuroi City, Shizuoka Prefecture, Japan
1. Disaster Management Radio System  
(Simultaneous Communication System)

Effective even under power failure or when communications infrastructure is damaged

Range of the warning sound: within a radius of approx. 250 - 500 m
Number of installed sirens: around 200

Municipality loans a home receiver for fringe areas, welfare facilities and disaster management officers so that warnings reach without fail.
### 1. Disaster Management Radio System

(Simultaneous Communication System)

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| **Earthquake Information** | Siren: Earthquake Early Warning (EEW) (Automatic Issuance) | *(Chime of EEW)*
  “Large Earthquake! Large Earthquake!” *(Chime of EEW)* (Repeat) |
|                         | Chime: When seismic intensity ≥ 6-lower, sound a siren 3 times (15 sec. + 6 sec. pause) | “This is the Public Relations of Fukuroi City. This is an announcement from Fukuroi City Hall. A large earthquake has occurred. Please receive appropriate information via TV or radio and act calmly. Please beware that tsunami may strike coastal areas”. (Repeat) |
| **Evacuation Alert**    | Chime                                      | “Currently, heavy rain and flood warning is in effect. The water level of ### River is rising and there is a possibility of inundation. Therefore, evacuation alert was issued for ### region at HH:MM. Evacuate immediately to ### elementary school. The load is closed due to inundation around ### area.” |
| e.g. Flood Damage       |                                            |                                                                          |
| **Tsunami Warnings**    | Major Tsunami Warning (3 sec. + 2 sec. pause) x 3 times | “This is the Public Relations of Fukuroi City. Major Tsunami Warning was issued for coastal areas of Shizuoka Pref. at HH:MM a.m./p.m. A tsunami is expected to hit land. Evacuate from coastal areas or river sides immediately to safer places. Do not approach the coastal areas. The estimated tsunami arrival time is HH:MM a.m./p.m. and the estimated height is # meters.” |
|                         | Tsunami Warning (5 sec. + 6 sec. pause) x 3 times |                                                                          |
| **Information related to civil protection** | ... omitted in this document ... | ... omitted in this document ... |
2. Mellow-Net (Text Message Dissemination)

- When driving a car and/or working inside a building, people sometimes miss announcements through the Disaster Management Radio System.

- When being in another city, people cannot hear announcements.

Fukuroi City has introduced an e-mail delivery service called “Mellow-Net” and delivers messages disseminated from the system, information issued by the Japan Meteorological Agency, and other information in text format.
3. Temporal Disaster-Broadcasting Station (Disaster FM)

Fukuroi City introduced a portable FM device for temporal disaster-broadcasting Station (Disaster FM).

Under disaster, municipalities can broadcast through this device without complicated procedures for allowances. Information about establishment of refugees, restoration of loads and so on are to be broadcasted to the residents.
4. Flood Information Support System

**Water Level gauge:**

Installing water level gauges to grasp the water level rise of rivers in real time during heavy rains and so on.

These data are for providing evacuation information to the residents.

**Inundation Sensor:**

Installing an inundation sensor for areas where houses have been inundated before.

With data from the sensors, municipality can announce people information via sirens or sound cars right after the inundation began.

Effective especially during night, when it is more difficult to be aware of the inundation visually.
Tsunami Evacuation Facilities in Fukuroi City, Shizuoka Prefecture, Japan
Tsunami Evacuation Facilities

- Man-made hill constructed more than 300 years ago
  - built after the disaster due to a typhoon in 1680
  - maintained and used even now

- Man-made hill of 10 meters above T.P. with steps and slopes
  - usually used as a park

- Tsunami Evacuation Tower of 12 meters above T.P. with steps and a slope
  - possible to construct even in a limited space