

Approaches for Construction of Human Resources Development System for Community on Disaster Management with Information and Computer Technology by Osaka City University



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1. Disaster situation in Japan

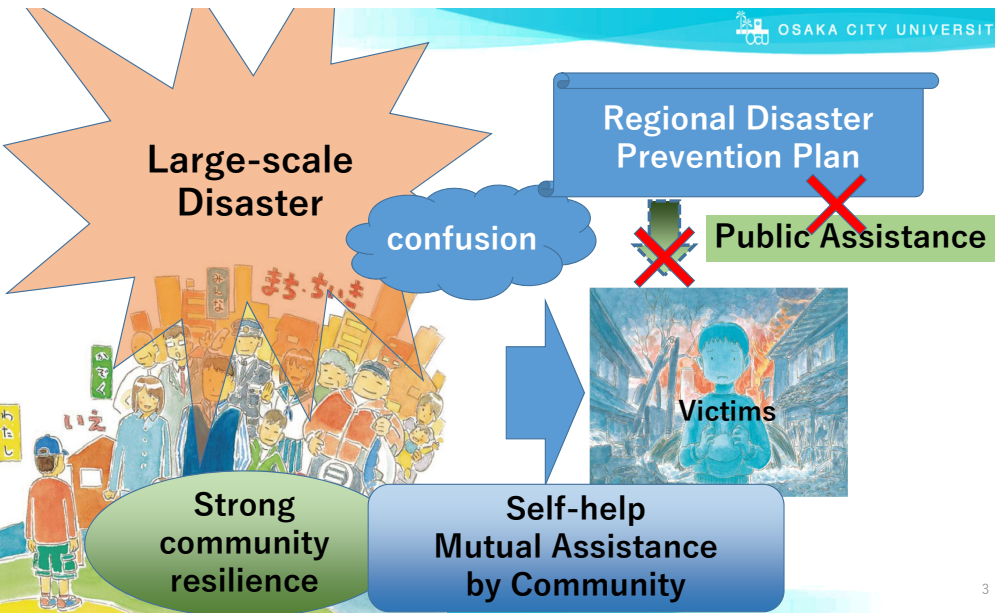
- 1) Earthquake disaster in/around big city near active faults
- 2) Tsunami in subduction-zone earthquake and wide-area disaster
- 3) Increasing of heavy rain disaster and landslides due to global warming
- 4) Shelter facility and refuge life in the event of a disaster



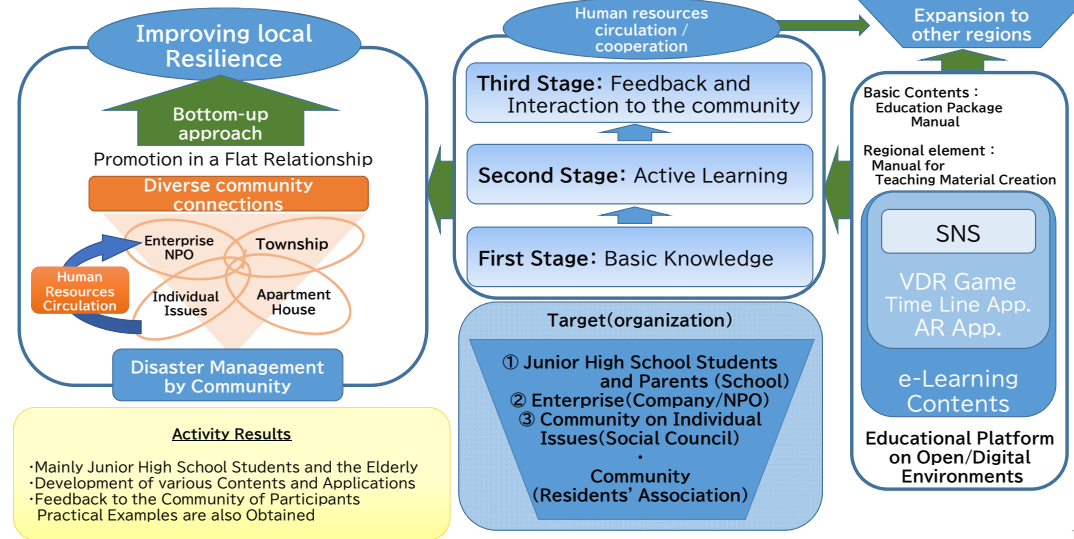
1995 Kobe Earthquake

2011 Tohoku Earthquake
Tsunami

Heavy rain disaster
and Landslides



Human Resources Network for Community disaster prevention



Human Resources for Community Disaster Management

Diverse Group
Various Distances from the Administration
Economic Activity Concept
Inclusion
Multi-Generation
Gender Well Balance

Network

Diverse Community Connections

Required Qualities

Encourage Community Members

Acquisition and Implementation of Facilitation Skills

Utilization of ICT

Traditional Leader for Disaster Management

Limited Group
Close to the Administration
Isolation from Economic Activity (Company)
Senior Generation
Gender Imbalance

Top Down

Relationship with the Territory

Ability Evaluation

- Self-recording of Learning
- Mutual Strengthening by Praise among Members
- Feedback of Learning Results

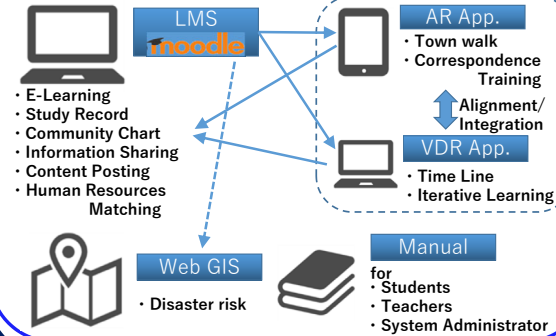
Human Resources Development System for Community Disaster Management

MUSUBOU
Musubu/Bousai
Musubu: connect
Bousai: disaster management

Purpose

1. Improving Disaster Prevention Capabilities of individual person and the Community (Organization)
2. Community Networking

Education Platform on Open/Digital Environments



Human Resources Network

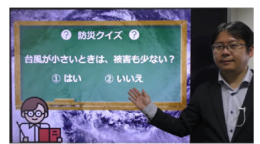


Council (Commercialization)

Web site

- Registration
- System introduction
- Developer introduction
- Various Links (Portal Site)

e-Learnig Contents



MUSUBOU Course List

<p>Basic Class Earthquake</p> <p>地域バージョンアップクラス</p>	<p>The First Stage Basic Class Typhoon/Flooding</p> <p>基本コース</p>	<p>Basic Class Action and Defense</p> <p>地域バージョンアップクラス</p>
<p>Previously built Contents</p> <p>都市の災害リスクとその減災 (JAMOC)</p>	<p>The Second Stage Human Resources Development Class</p> <p>基本コース</p>	

MUSUBOU 住吉区

Outline explanation of disaster risk in the area

Links to various hazard maps and theme maps

Output map from QGIS

Point description and link to instructional video

Website presenting References for Town Walking

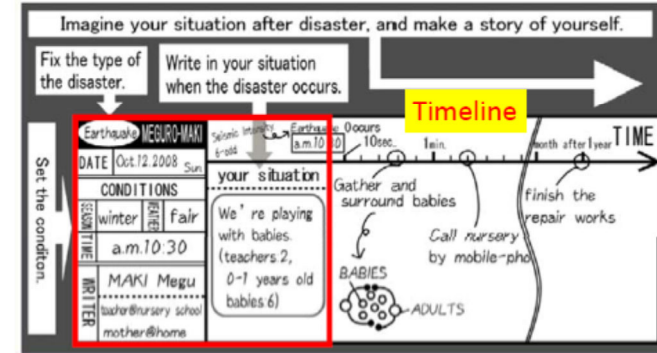


AR App. and Town Walking

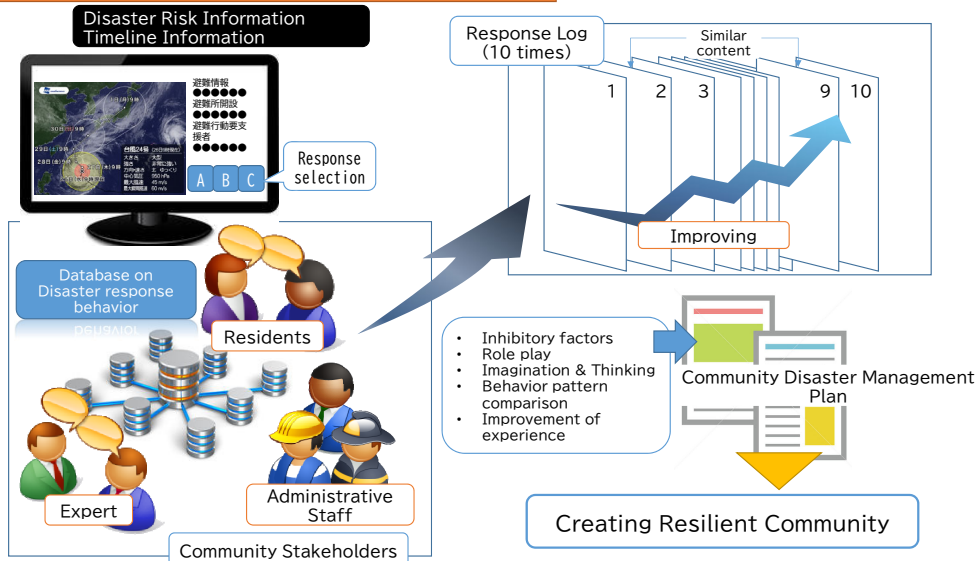


Timeline on Earthquake Disaster

The concept of Meguro-method is "After setting various conditions, imagine your situation, actions and feelings, according to the passage of time after the hazard occurrence."



Virtual Disaster Response Game (VDR Game)



Timeline on Meteorological Disasters Virtual Disaster Response Game (VDR Game)

Purpose: Develop typhoon course information and action judgment



Playing Games by Online Meeting

