

Recovery from the Great Hanshin-Awaji Earthquake and the Development of Safe Cities



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Noboru Shimizu
Manager, Planning,
Crisis Management Office,
Kobe City Government

KOBE 
UNESCO City of Design



An aerial photograph of a city during a major earthquake. The city is densely packed with buildings, and several large plumes of dark smoke are rising from various locations, indicating significant damage and fires. The sky is filled with thick, grey smoke, and the overall atmosphere is one of chaos and destruction. The text is overlaid on the top and bottom of the image.

The Great Hanshin-Awaji earthquake occurred on

**January 17, 1995, 5:46 am
M 7.3 (Seismic Intensity 7)**

Damage on Urban Infrastructures (Residences / Buildings)



Fire in residential area (Suma Ward)

Damage on Urban Infrastructures (Railways /Expressway)



Collapse of Railways (Higashinada Ward)



Collapse of Hanshin Expressway
(Higashinada Ward)

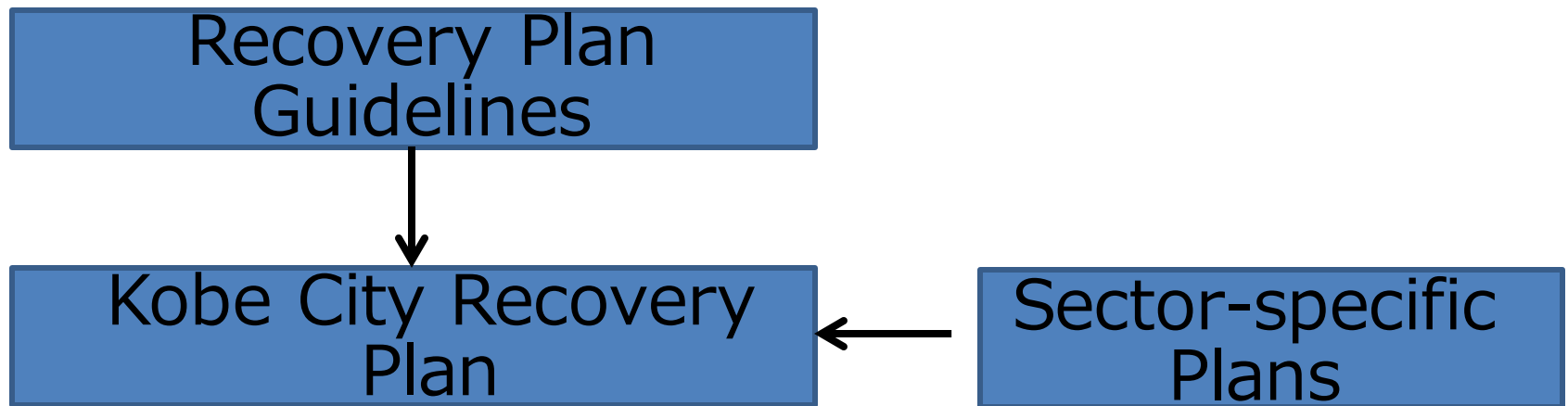
Damage on Urban Infrastructures (Municipal Offices)

▼6階部分が崩れ落ちた神戸市役所2号館。

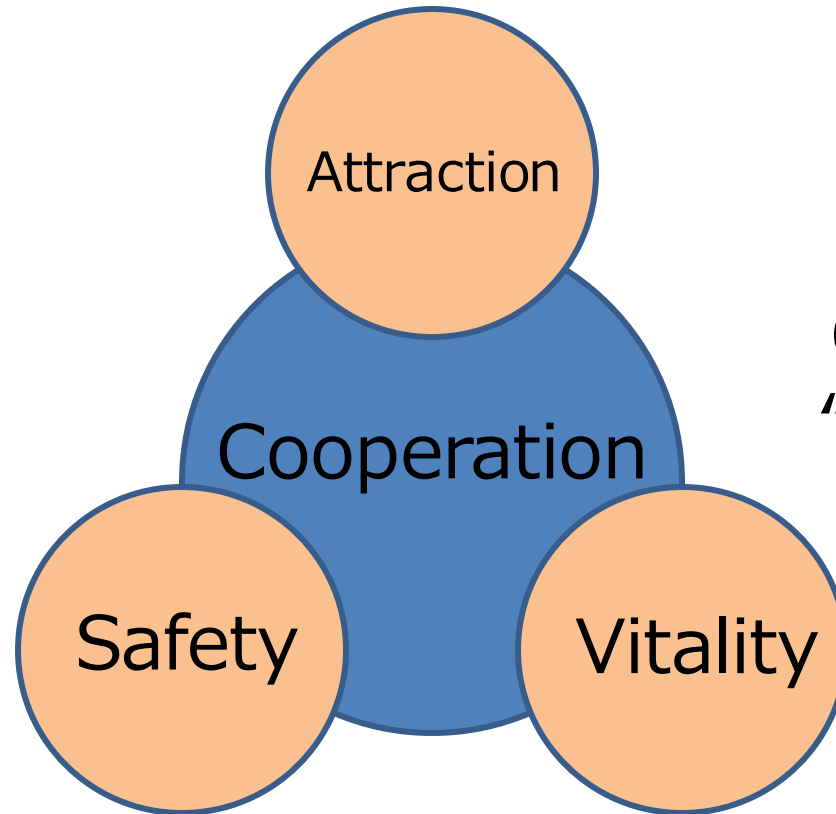


Collapse of the municipal office's mid floors (Chuo-Ward)

Kobe City Recovery Plan



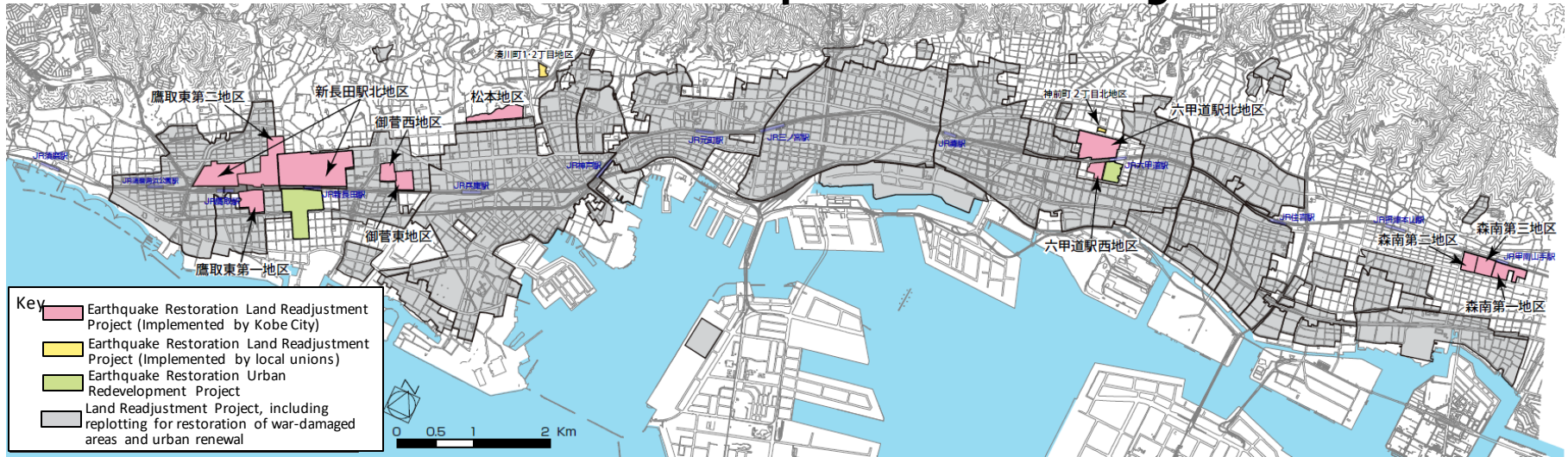
Objectives of Reconstruction Urban Development



Creating a
"Safe City"



Post-earthquake Restoration Urban Development Project



Urban Planning in Two Stages

First stage:

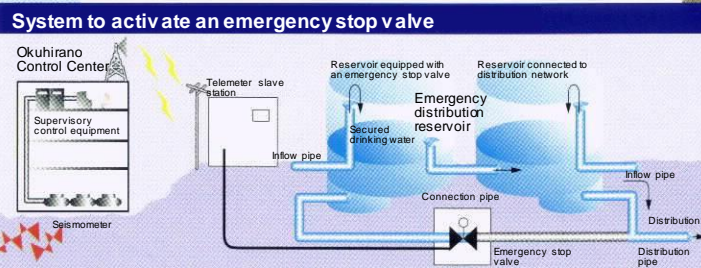
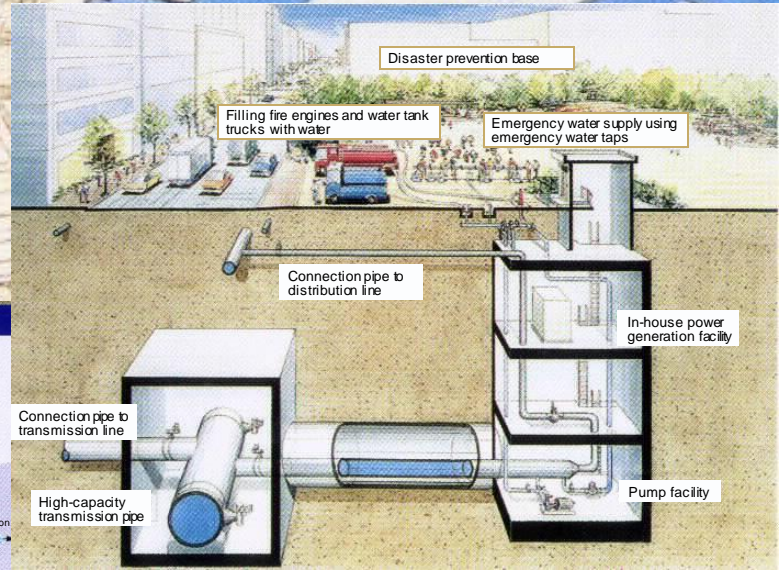
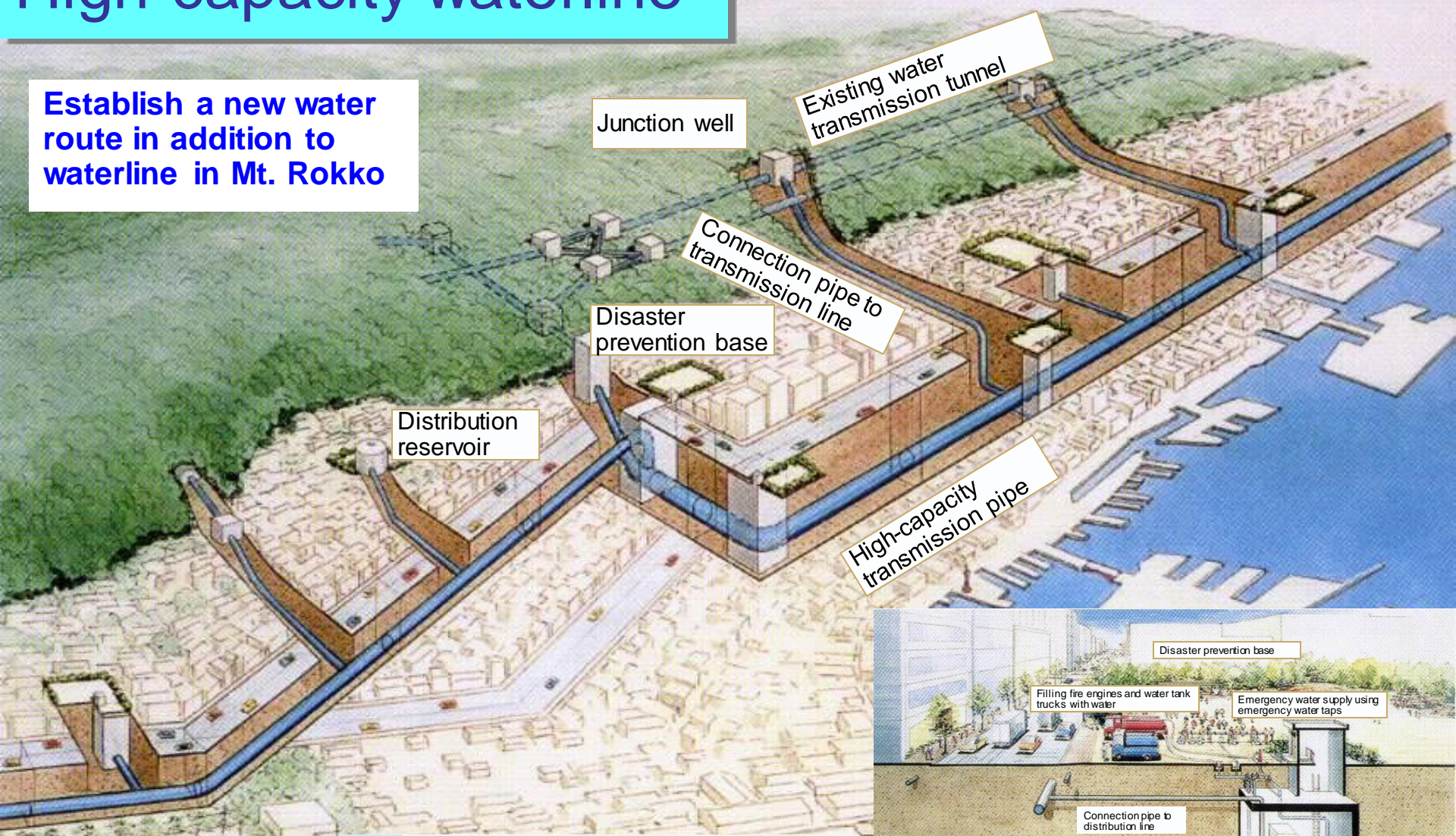
Areas subject to land readjustment and the basic urban facilities (main roads and neighboring parks)

Second stage:

Neighborhood district roads and local parks

High-capacity waterline

Establish a new water route in addition to waterline in Mt. Rokko



Kobe Biomedical Innovation Cluster

■ Formation of Japan's first biomedical cluster

Establishment of a center of excellence for highly advanced medical technology on Kobe's Port Island to attract healthcare-related industry

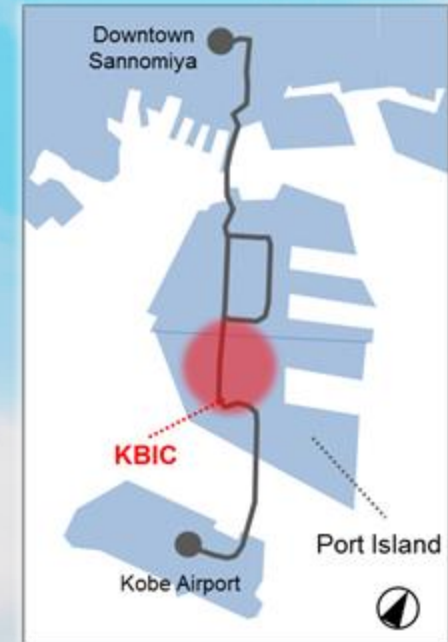
■ Promotion of translational research

Establishment of integrated process from basic research to clinical application and industrialization

- R&D of medical devices
- Support of clinical trials for pharmaceuticals
- Clinical application of regenerative medicine

■ Objectives

- Creation of employment and revitalization of Kobe's economy
- Promotion of public health and welfare by providing advanced medicine
- Contribution to the improvement of medical standard in Asia



Disaster-Safe Welfare Community - "BOKOMI"

191 BOKOMIs (mostly in elementary school districts)

- Maintenance and Support for DRR Equipments
- Guidance of Disaster Drills & Seminars

- Consolidation of Regional Welfare Center
- Support for activities

Disaster-Safe Welfare Community

DRR Activity

Drills / Seminars, Crime Prevention Activities, Community Safety Plan Preparation etc.

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Welfare Activity

Friendship Visit, Providing Meals to Elderly, Housework Support etc.

Measure to support people who need assistance (Disabled, Elderly etc.),
Combination of community DRR and welfare activities

Fire Station

Volunteer fire Corps

Resident's Association

Business entities

Women's Association

Eldery Association

Child Committees Member

PTA

Youth Association

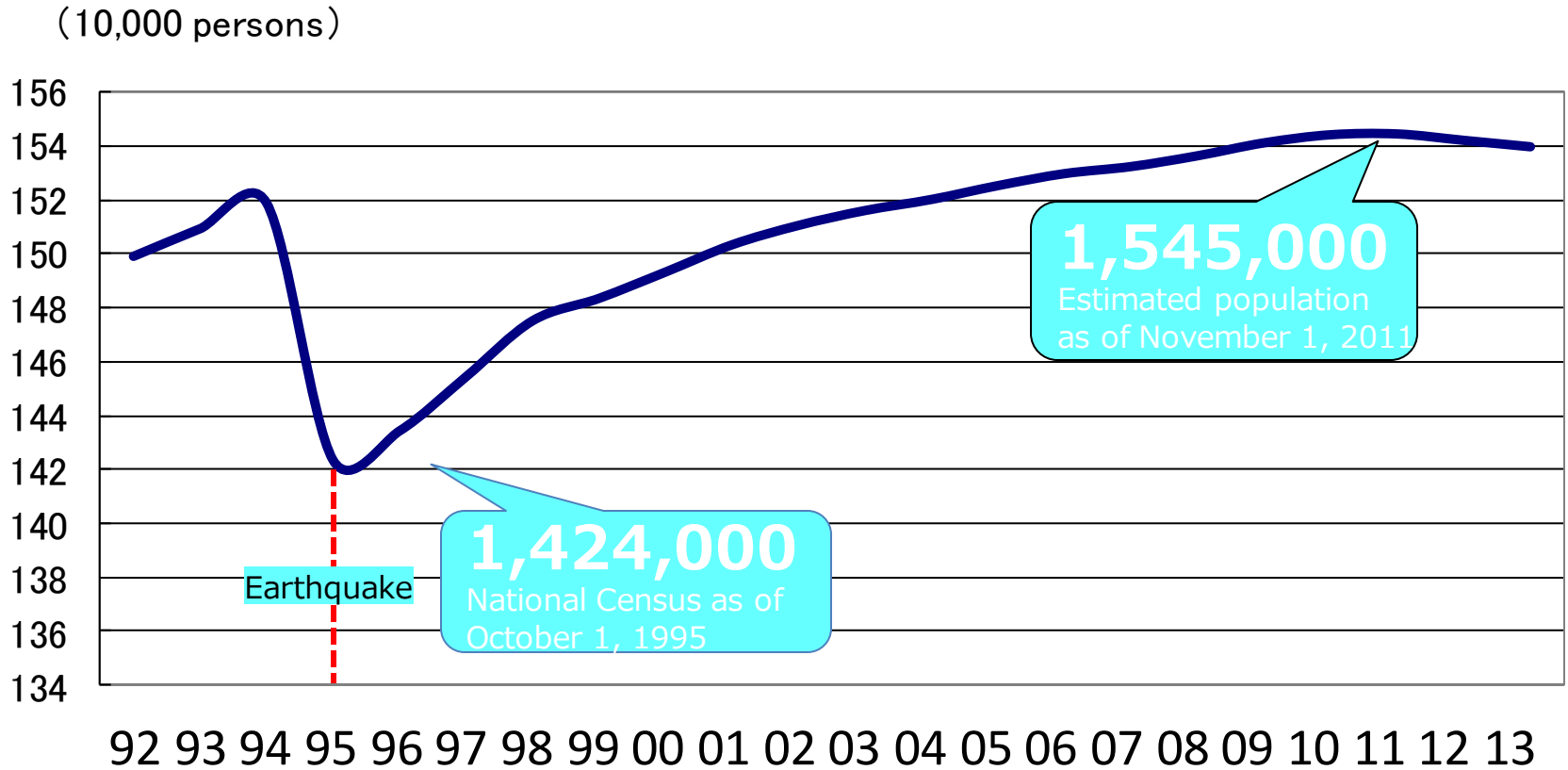
Crime Prevention Association

Ward Office

Cooperation



Changes in the Population of Kobe



The way Forward

