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Response Experiences in 1995 Kobe Earthquake and Recovery Experiences of Kobe City

Submitted by: Japan



Emergency Management CEOs' Forum Lima, Peru 12–14 August 2008



12-14 Aug. 2008 Lima, PERU

Response Experiences in 1995 Kobe Earthquake

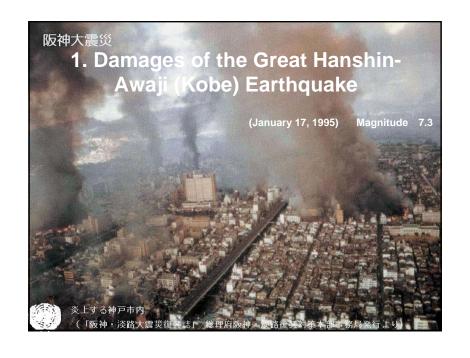
- and recovery experiences of Kobe city -

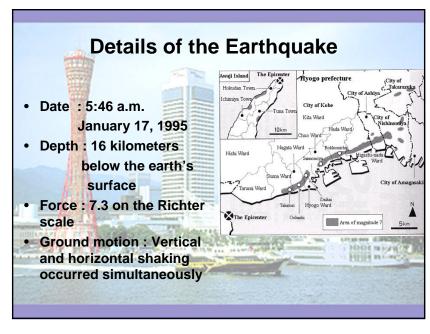
Shoichi Ando Dr.

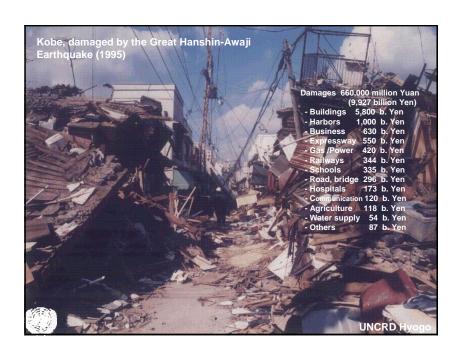
Coordinator

Disaster Management Planning Hyogo Office
UNCRD (United Nations Centre for Regional Development)
UN / DESA (UN Department of Economic and Social Affairs)







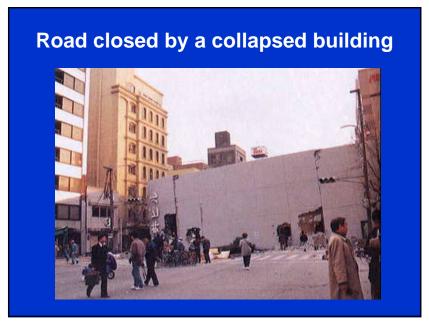


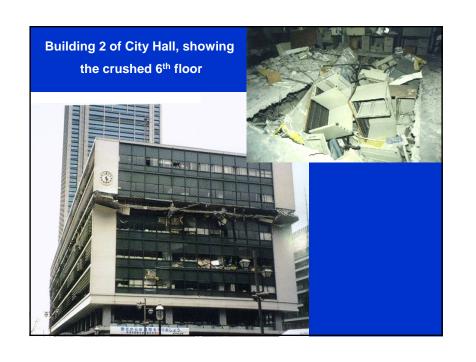
Damages of Kobe Earthquake (Total, Hyogo and Kobe)

Damages		Total (incl. Osaka)	Hyogo pref.	Kobe city
Human (person)	Dead	6,434	6,401	4,571
	Missing	3	3	2
	Injured	43,792	40,092	14,678
	Evacuees (peak)	320,000	316,678	236,899
Houses (building)	Totally collapsed (families)	111,123 (191,617)	104,906 (186,175)	67,421 (-)
	Partially collapsed	144,274	137,289	55,145
Emergency Response (building)	Publicly Dismantled Houses	108,672 (Total 136,730)	87,289	61,392
	Temporary Houses	49,800	48,300	32,346

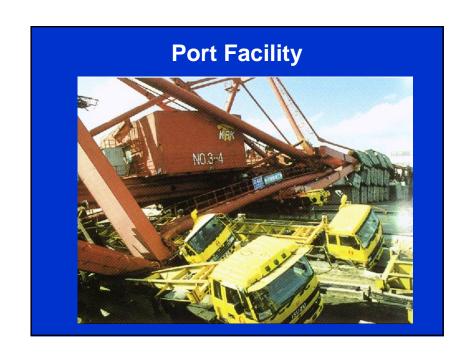
: 2008.1.1 (Kobe city) http://www.city.kobe.jp/cityoffice/06/013/report/index-e.html 2006.5.19 (Total) http://www.bousai.go.jp/linfo/kyoukun/hanshin_awaji/earthquake/index.html



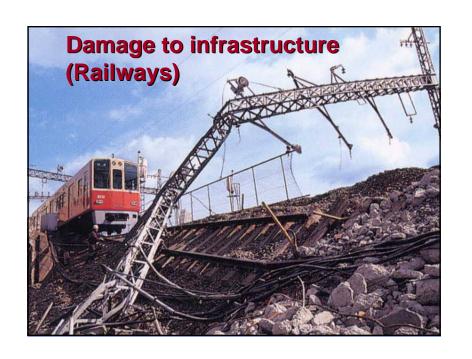












2. Emergency Responses

- Rescue activity
- Medical Services
- Evacuation Center (Temporary Shelter)
- Water and Food Delivery
- Temporary housing and any other supports are required...

Evacuees

599 shelters were operating as of Jan. 26, '95(peak) 236,899 persons used shelter services on Jan. 24, '95(peak) 222,127 evacuees were living in shelters as of Jan. 18, '95



Rescue operations were performed by neighboring people





Temporary Housing 32,346 units constructed

March,1995 →→December, 1999 (C I o s e d)





3.Kobe City Restoration Plan

Kobe City Restoration Plan Formulation Process

Jan. 17, 1995	Great Hanshin-Awaji Earthquake
Jan. 26	Earthquake Restoration Head Office established
Feb. 7	First meeting of the Committee for Restoration Planning Subcommittees Urban Infrastructure Subcommittee Citizens' Affairs Subcommittee Safe City Standards Subcommittee
Mar. 27	Kobe City Restoration Plan Guidelines published
April 22	First meeting of the Kobe Council for Restoration Planning (100 members) Subcommittees Citizens' Affairs Subcommittee Urban Revitalization Subcommittee Safe City Subcommittee
June 30	Restoration Plan formulated

Necessity to Formulate Restoration Plan as Soon as Possible

- → Important to present citizens with a vision for the restoration process ASAP
- → Need to meet the national budget appropriations deadline (Essential to obtain financial support from the government because the damage was too extensive for the city to handle on its own)
 - → Deadline · End of JUNE 1995

Comprehensive Restoration Plan Consisting of Various Aspects

- · Reconstruction of urban foundation (roads, lifeline, railway),
- · Reconstruction of residential buildings,
- · Land reallocation programs,
- · Urban area redevelopment programs,
- Industrial restoration,
- · Civic life restoration,
- Port restoration, and others

2-Stage Plan Formulation

1st stage

Indicate a direction of restoration in a form of guidelines

Discussion was held with a limited number of experts.

A high-level proposal was issued as quickly as possible.

2nd stage

Based on the guidelines, details of the plan were discussed.

Discussion members were selected from a wider range of fields (100-member committee)

Select a symbol project which provided a framework of restoration

Subcommittees (each member other than Chairperson and Deputy Chairperson belongs to one of 3 subcommittees)

★Citizens' Affairs Subcommittee

Civic life, community planning through cooperation, disaster-proof living zone

★Urban Revitalization Subcommittee

Urban industry, attractiveness of Kobe, improvement of port and harbor, transportation network

★Safe City Standards Subcommittee

Ability to respond to disaster, lifelines, disaster-proof urban foundation, disaster-proof living zone

Meeting schedule

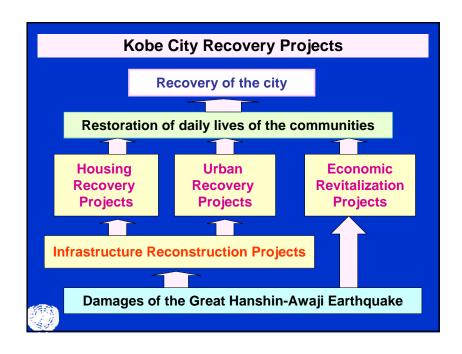
Apr. 22: 1st council →each subcommittee →May 26: 2nd council

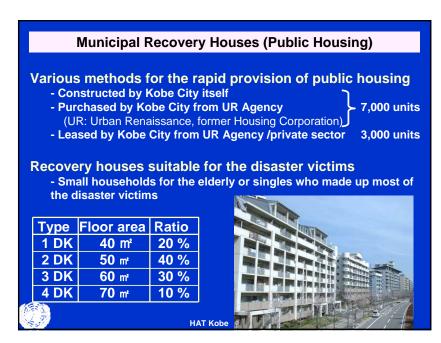
 \rightarrow two sessions of each subcommittee \rightarrow Jun. 26: 3rd council (discussion to develop a first draft of report)

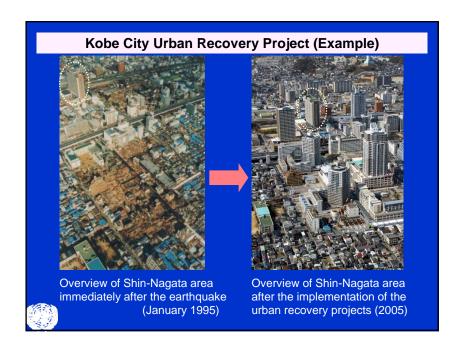
Basic Themes of Restoration

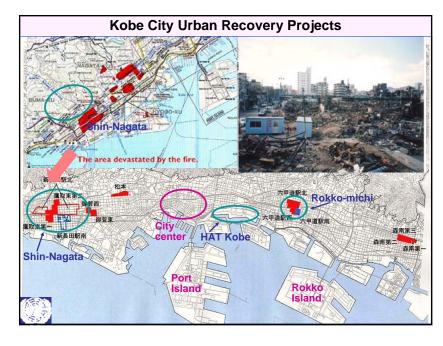
- 1. Return the local people's daily lives and the city's infrastructure back to normal ASAP to facilitate fuller-scale restoration work.
- 2. Make the best of the lessons learned from the recent earthquake in order to build a disaster-proof city.
- 3. Build a welfare society that ensures secure and comfortable lives for all who live in it.
- Revitalize the Kobe culture characterized by diversity and open-mindedness.
- 5. Create a city that ensures environmentally-friendly, sustainable development.
- 6. Revive and rebuild a cosmopolitan city that leads the world in the 21st century.
- Rebuild the Port of Kobe quickly so that it can function as a "Mother Port" in Asia
- 8. Build a society where information networks play an important role.
- 9. Work together to create our communities.
- 10. Support volunteer activities and facilitate the network of cooperation among volunteer groups scattered over broad area.
- 11. Hand down for posterity the lessons learned from the natural disasters that hit Kobe and contribute our know-how to global disaster prevention efforts.









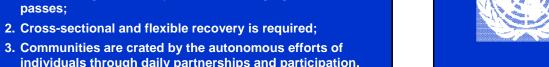


Lessons from the Earthquake (Kobe City)

- 1. The earthquake disaster reminded the citizens of the severity of nature;
- 2. Communities protect the lives of their own community members in case of emergency;
- 3. It is impossible to do something new in a devastated situation what the citizens do not carry out on a daily basis.

Lessons from the Recovery (Kobe City)

- 1. The meaning of recovery has been changing as the time passes;
- individuals through daily partnerships and participation.





Gracias! ありがとう Thank you!