



Learning to Live with Risk

January 18, 2005

Toshizo Ido

Governor

Hyogo Prefecture





Hyogo Prefecture has experienced major disaster and as a disaster area is prepared to help in the restoration of communities devastated by the massive tsunami in the Indian Ocean.

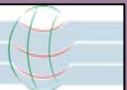
(Already implemented)

- Prefectural employees dispatched (in collaboration with JICA and ADRC)
- Fact-finding mission sent in by Disaster Reduction and Human Renovation Institution
- Relief materials (drugs to prevent the spread of infectious diseases) sent from Hyogo Prefecture
- Contributions and donations solicited

(Future)

When requested by disaster areas:

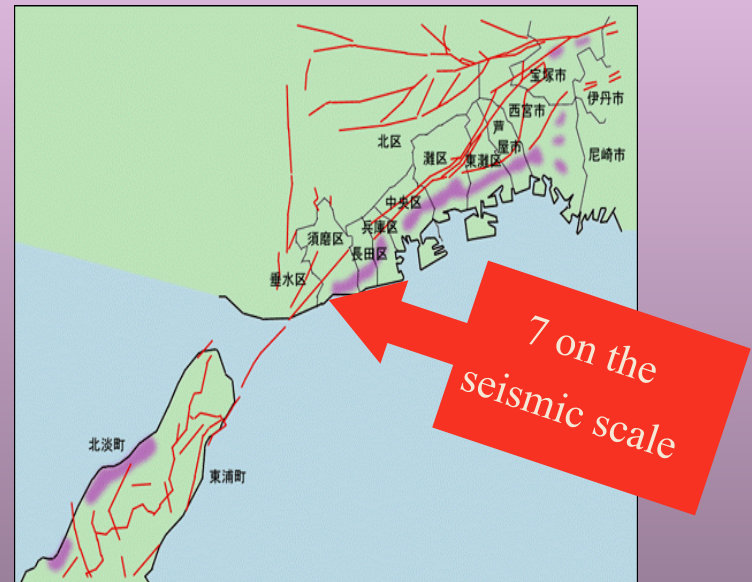
- Assistance in the formulation of rebuilding plans
- Preparation of other required assistance, for example, psychological care





Great Hanshin-Awaji Earthquake

Size of earthquake: Magnitude 7.3
Maximum seismic intensity: 7 on the seismic scale
Epicenter: Southern Hyogo Prefecture (northern Awaji Island)
Casualties: 6,433 people
Damage: ¥9.9 trillion
Maximum evacuees: 316,678 people
Maximum No. of evacuation centers: 1,153 facilities
Buildings damaged: 512,882 buildings





Great Hanshin-Awaji Earthquake Reconstruction Plan

Basic Principle

(Creative Reconstruction)

Regenerate cities designed for the mature societies of
the 21st century

Build harmony between people, nature and society

Total project budget: ¥17 trillion
(Total project cost: ¥16.3 trillion)





General Verification and Recommendations in the 10th Year of Reconstruction

—Experiences and Lessons from the Great Hanshin-Awaji Earthquake—

Verification/
Recommendation Project

Accomplishments

Tasks for the Future



General Verification and Recommendations in the 10th Year of Reconstruction

Experiences and Lessons from the Great Hanshin-Awaji Earthquake



Verification/
Recommendation Project

Accomplishments

Tasks for the Future

Accomplishments①

- The Hanshin-Awaji Earthquake Reconstruction Fund raised ¥900 billion and engaged in voluntary projects worth ¥365 billion
- The Law to Assist the Rebuilding of Lives in Disaster Areas was formulated and enhanced
- Two-stage urban plan was implemented to adjust land use and zoning in reconstruction areas
- Victims Reconstruction Support Conference was organized and convened
- Elderly/collective housing was built



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Verification/
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Accomplishments

Tasks for the Future

Accomplishments②

- Support was provided for voluntary activities by prefectural residents
- Assistance was provided to community businesses etc.
- Wide-area stockpiles, fire-fighting schools and human resources training centers were established and enhanced
- Disaster Reduction and Human Renovation Institution was established
- International disaster-preparedness institutions were gathered in the New City Center in eastern Kobe
- Psychological care programs were put in place and the Hyogo Institute for Traumatic Stress was opened



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Accomplishments

Tasks for the Future

Accomplishments③

- A disaster emergency medical treatment system was established: the Hyogo Emergency Medical Center was opened
- Teachers were assigned to oversee education reconstruction, and “New Disaster-Preparedness Education” was promoted
—Environment and Disaster-Preparedness Department established at Maiko Prefectural High School—
- Programs were established to monitor the elderly affected by the disaster (LSA, SCS) and assist them in achieving independence
- Programs were implemented by residents, community groups, NGOs/NPOs, companies and government organizations



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Verification/
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Accomplishments

Tasks for the Future

Tasks for the Future

- Enhance emergency rescue facilities and mechanisms for assisting in the rebuilding of lives and homes
- Establish and develop innovative programs inspired by the earthquake
- Assist the elderly affected by the disaster in achieving independence and reenergize communities
- Enhance the anti-seismic performance of homes and public facilities
- Publish the recommendations from the study, flesh out new systems and programs
- Develop programs to “Remember January 17”



Hyogo Conference

Transmitting the experiences and lessons of the earthquake to future generations

Symbiotic society

Build a disaster-resistant culture

Create a society that works together to prevent disaster

Promote disaster-preparedness education and training

Promote the activities of Disaster Reduction and Human Renovation Institution





Build a disaster-resistant culture

General programs to mitigate disaster

Build risk management system

Hazard map

Promotion of seismic retrofiting

Fast recovery and rebuilding after disaster

Advance formulation and study of rebuilding plans





Create a society that works together to prevent disaster

Integrated disaster-preparedness programs by government, private sector, NGOs/NPOs and residents

Create new victim assistance programs that balance self-help, mutual-aid and public assistance

Enhance and strengthen volunteer disaster-preparedness organizations and promote aid to those most vulnerable to disaster

(Self-help) Earthquake insurance

Public assistance

(Mutual aid) Home-Owners Mutual Aid System





Promotion of disaster-preparedness education

Disaster-preparedness education in primary (elementary and junior high) education
(Evacuation drills, supplementary readers etc.)

Higher level disaster-preparedness education in prefectural high schools
(Disaster-preparedness education from the rspective of natural and social environment)

Creation of disaster-preparedness supplementary readers and improvement of teacher quality

Promote disaster-preparedness training in local communities
(Volunteer disaster-preparedness organizations, fire departments, companies, NPOs etc.)





Promote the activities of Disaster Reduction and Human Renovation Institution

Collection, preservation and display of materials

Surveys and research by experts

Practical disaster-preparedness training

Dispatch of experts in times of disaster

1/2 of operating costs covered

Examples of display





Researchers dispatched by Disaster Reduction and Human Renovation Institution

Northwestern Turkey Earthquake

(Exchange of opinions etc. on policies and program to deal with damage from urban earthquakes in the future)

Northern Algeria Earthquake

(Advice on recovery and rebuilding)

Southeastern Iran Earthquake

(Study of contribution policies for recovery and rebuilding phase after emergency assistance)





Researchers dispatched by Disaster Reduction and Human Renovation Institution

Sumatra Tsunami

(Study of appropriate assistance policies for rebuilding phase in light of Hyogo experiences)

Taiwan Earthquake

(Assistance in formulating reconstruction plan)

Western India Earthquake

(Assistance in formulating reconstruction plan)



Hyogo Prefecture assistance for foreign disasters

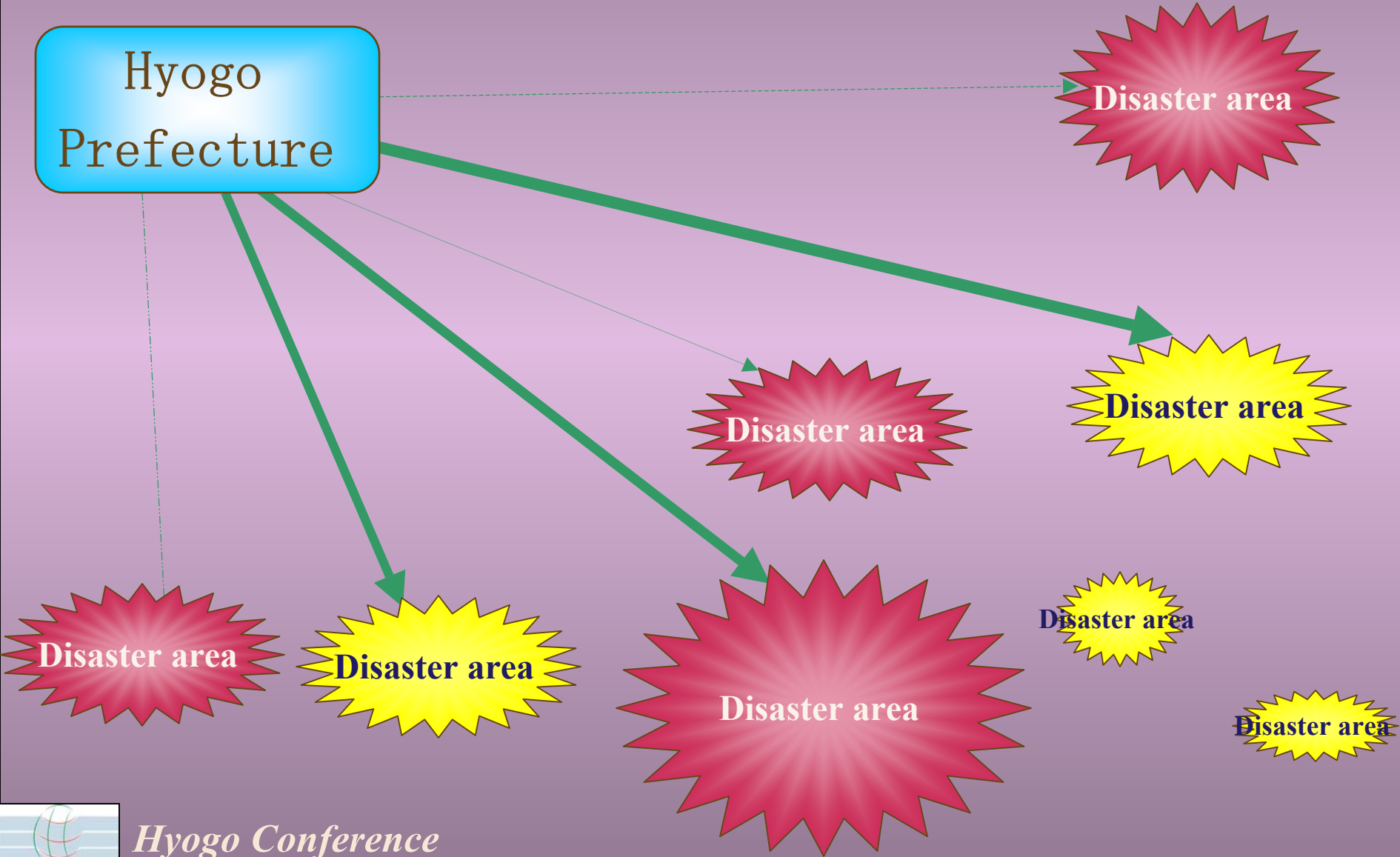
Name of disaster	Assistance rendered
Russia, Sakhalin Earthquake	300 blankets
North Korea Flooding	3000 blankets, 5000 towels
China, Yunnan Earthquake	1500 blankets, 14t drugs
Mongolia Fires	1000 blankets
Iran Earthquake	2000 blankets
China, Hebei Earthquake	1000 blankets
Papua New Guinea Tsunami	700 vinyl sheets
China Flooding	1000 blankets
Columbia Earthquake	Contributions: ¥1,000,000
Turkey Earthquake	Employees dispatched: Advice Contributions: ¥1,000,000 Donations: ¥236,421,000
Taiwan Earthquake	Donations: ¥276,425,000
Western India Earthquake	Contributions: ¥1,000,000 Donations: ¥174,913,000
Afghanistan Refugees	Contributions: ¥1,000,000
USA Terror Attack	Donations: ¥85,494,000
Algeria Earthquake	Contributions: ¥1,000,000
Southeastern Iran Earthquake	Generators, drugs etc. Donations: ¥86,541,000
Sumatra Tsunami (Indonesia, Sri Lanka, India, Thailand etc.)	Contributions: ¥1,000,000 to each country Antiseptics, drugs Donations solicited





International assistance under individual requests

Hyogo Prefecture



Disaster-preparedness



Disaster Reduction Alliance



- WHO Kobe Centre
- A P N Kansai Research Center

- J I C A Hyogo International Center

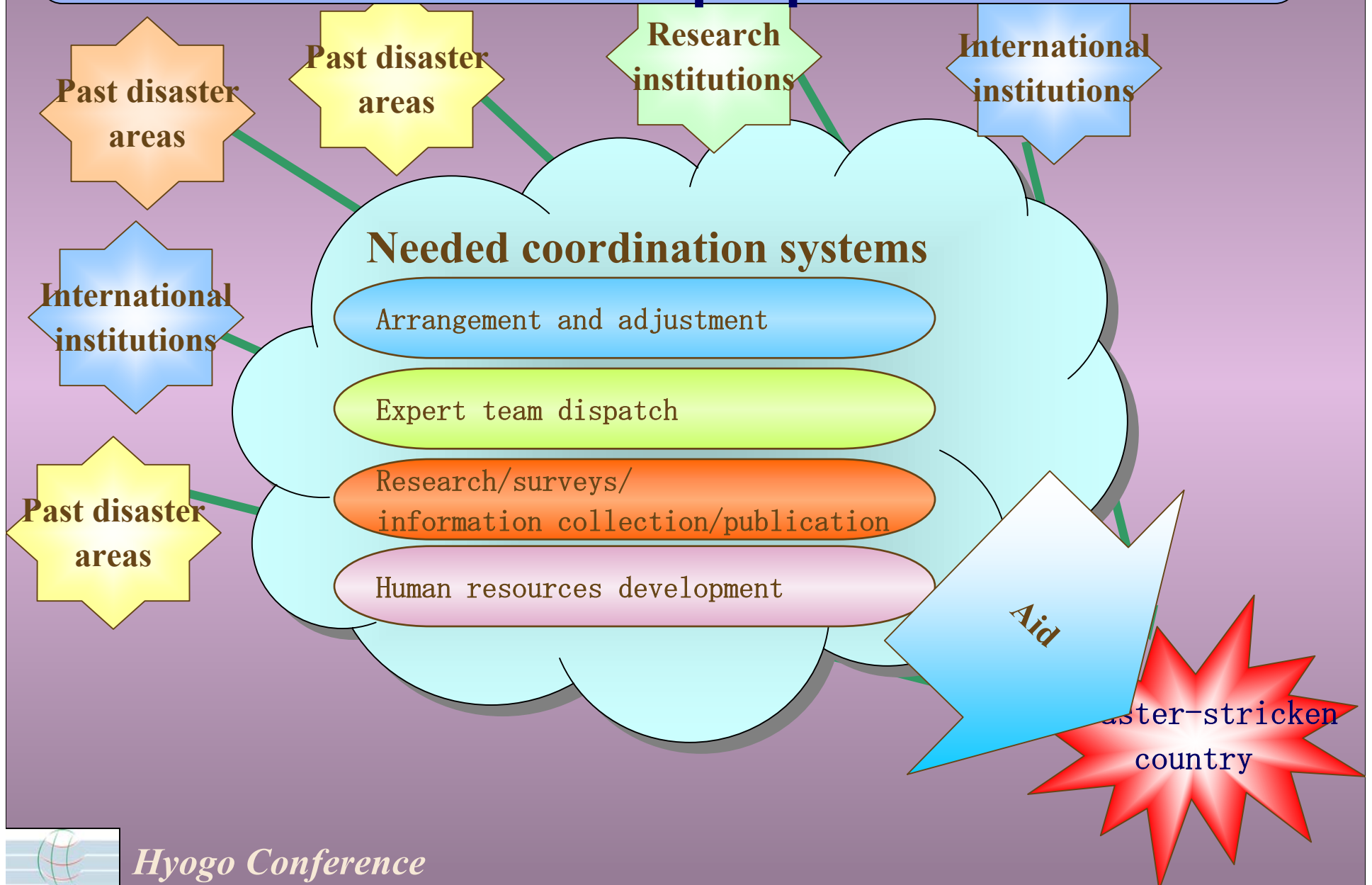
- A D R C
- E D M
- O C H A
- U N C R D
- Great Hanshin-Awaji Earthquake Memorial Research Institute
- 21st Century Hyogo Human Care Research Institute

- Hyogo Emergency Medical Center
- Hyogo Branch, Japanese Red Cross
- Hyogo Institute for Traumatic Stress

- Disaster Reduction and Human Renovation Institution

- International institutions
- Earthquake rebuilding base facilities

Need for system to coordinate international disaster-preparedness





Thank you.

