



# Developing a System for International Cooperation in Reconstruction

— Recommendations based on the Reconstruction after the Great Hanshin-Awaji Earthquake —



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## Scenes after the Great Hanshin-Awaji Earthquake





# Damage by the Great Hanshin-Awaji Earthquake January 17, 1995

**Size : Magnitude 7.3 on the Richter scale**

**Maximum Earthquake Intensity: 7**

**Epicenter: Southern Part of Hyogo (Northern Part of Awaji Island)**

**No. of Casualties : 6,433**

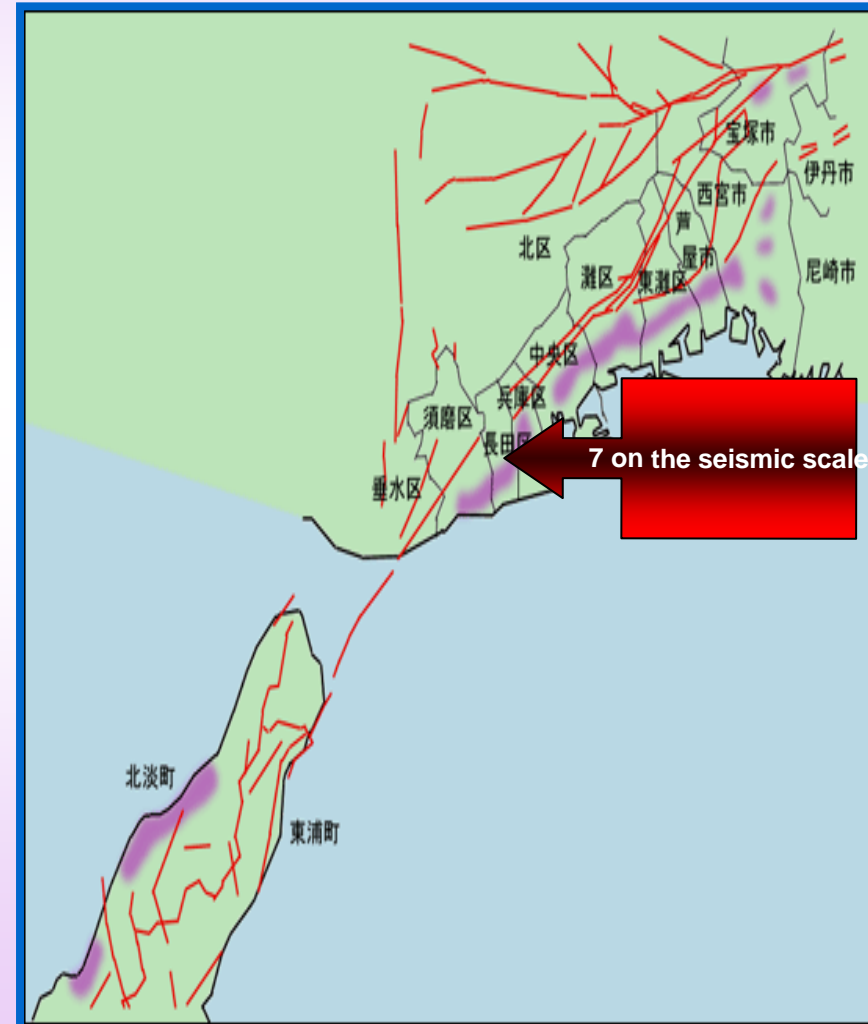
**Amount of Damage : JY 9.9 Trillion**

**Maximum No. of Evacuees : 316,678**

**Maximum No. of Evacuation Centers:**

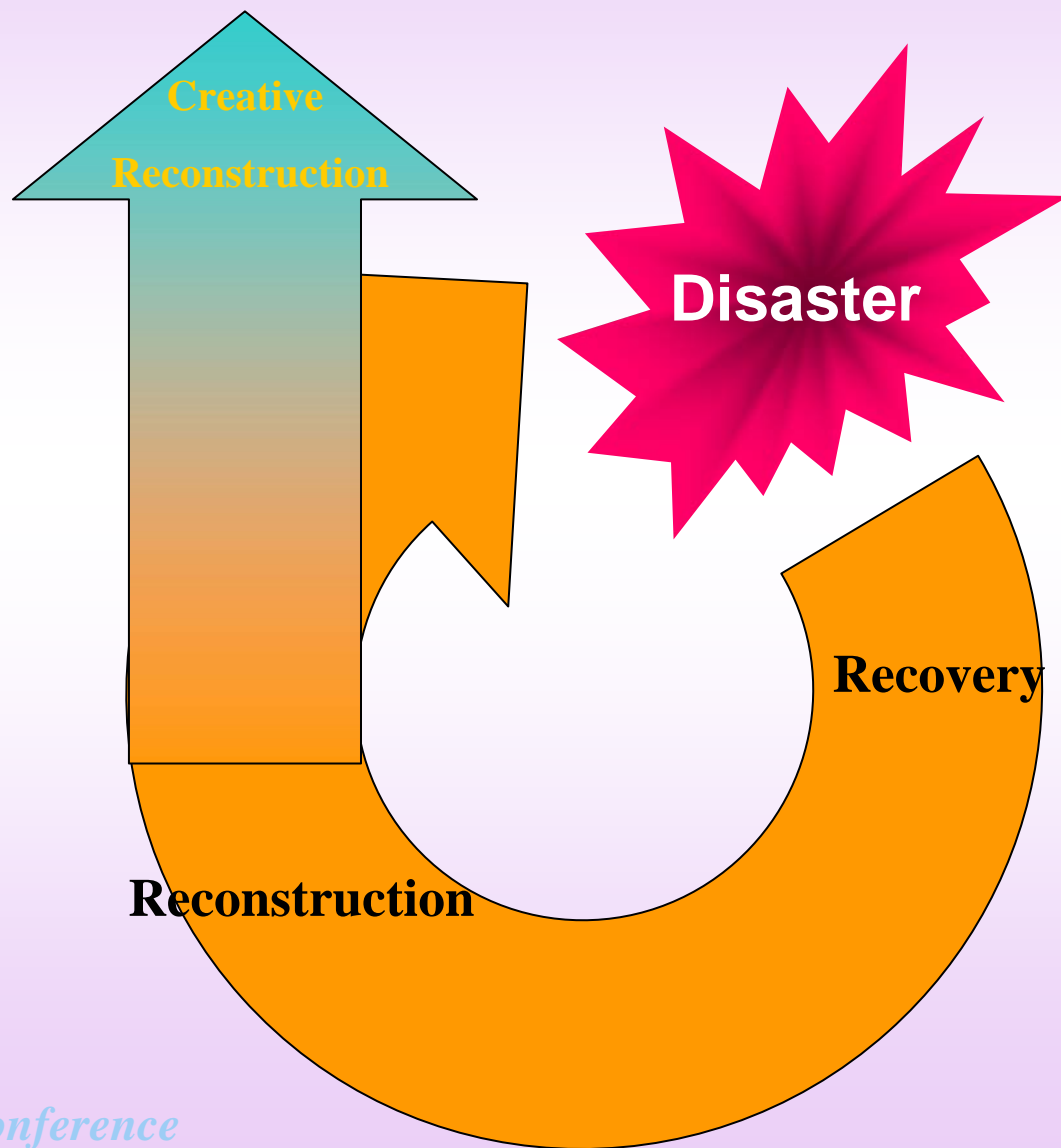
**1,153**

**No. of Damaged Buildings : 512,882**





# Creative Reconstruction





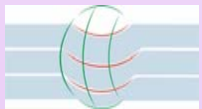
# Great Hanshin-Awaji Earthquake Reconstruction Plan

## Basic Concept (Creative Reconstruction)

Urban Renaissance toward Mature Society in  
the 21st Century

Society of Coexistence with People, Nature

**Total project cost: JY16.3 Trillion**





# New System①

**Health/Welfare**

**Society/Culture**

**Industry/  
Employment**

**Urban plan Industry  
/Employment nine**

**Disaster-  
preparedness**

**Summary**

## Achievements

- Reconstruction Fund
- Collaboration between Public & Private Sectors
- Law for Supporting the Livelihood Reconstruction of Disaster Victims
- Care and Monitoring of Aged Persons
- Support for Voluntary Activities
- Disaster Reduction Core Base

## Challenges into the Future

- ▲ Wide-area Emergency Management System
- ▲ Emergency Rescue Management
- ▲ House & Livelihood Reconstruction
- ▲ Leading programs for Volunteer, Community & Urban-planning Activities
- ▲ Self-support of the Aged Persons and Community Empowerment





# New System②

Health/Welfare

Society/Culture

Industry/  
Employment

Urban plan Industry  
/Employment nine

Disaster-  
preparedness

Summary

## Achievements

- Disaster Reduction and Human Renovation Institution (DRHRI)
- International Facilities for Disaster Reduction at the Same Site

## Challenges into the Future

- ▲ Earthquake Resistant Housing & Public Facilities
- ▲ Verification and Leading systems & Programs

- Recommendations for Disaster Reduction and Reconstruction
- Creation of Leading Programs

International Contributions Based on the Lessons from the Disaster





## Lessons from the Disaster

① Disaster Preparedness

② Disaster Management System Utilizing  
Community Empowerment

③ Support System for Vulnerable Victims

④ Disaster Education and  
Human Resource Development

⑤ Disaster Resilient and  
Safer Community Development







## Institutions and programs created

- Hanshin–Awaji Earthquake Reconstruction Fund
- Hyogo Voluntary Fund
- Special Tax Treatment under 16 Special Laws
- Financial Support System for Livelihood Reconstruction
- Law for Supporting the Livelihood Reconstruction of Disaster Victims
- Ordinance on the Promotion of Participation by and Collaboration with Citizens
- Industrial Reconstruction Ordinance, Industrial Concentration Ordinance





# Overseas Disaster Assistance ①

## (Northwestern Turkey Earthquake)



- Dispatch of 12 prefectural Staff on 4 missions
- Local Surveys, Building Risk Assessments, Temporary Housing, Industrial and Infrastructure Reconstruction
- Condolence Money ( JY 1 million )
- Donation (JY 236,421,000) for Educational Fund for Orphaned Children

## (Western India Earthquake)



- Condolence Money ( JY 1 million )
- Donation (JY 174,913,000) for Rebuilding and Repairing of Elementary and Junior High Schools





## Overseas Disaster Assistance ②

### (Northern Algeria Earthquake)



- Condolence Money (JY 1 million )
- Dispatch of Experts (from prefecture and DRHRI) to Instruct Road Recovery, Urban Reconstruction, and Others

### (Southeastern Iran Earthquake)

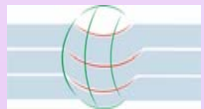
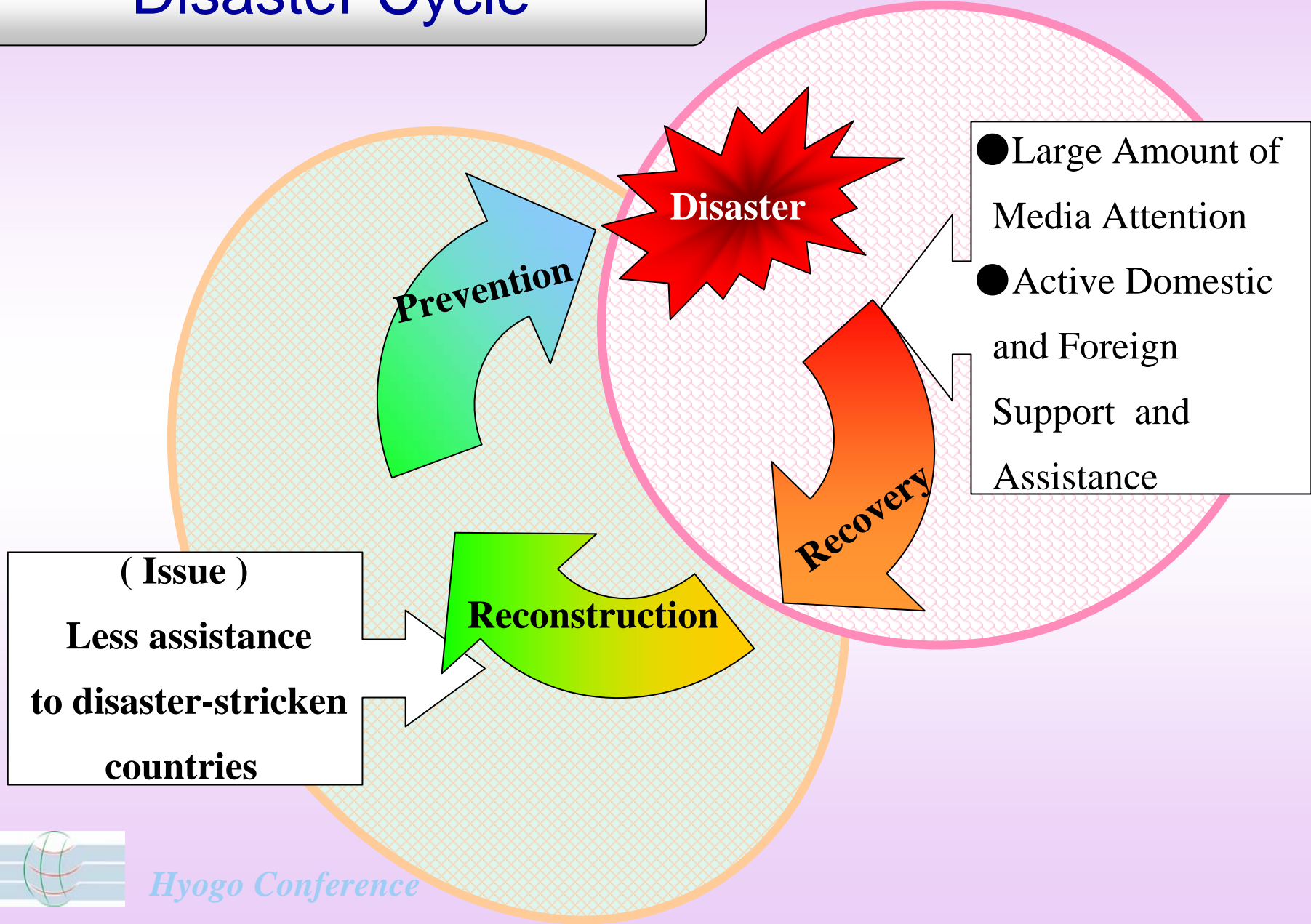


- Generators, Antiseptics and Medical Drugs
- Doctors in JICA International Emergency Assistance Medical Teams
- Reconstruction Workshops to Disseminate Lessons from the Quake by Prefectural Gov. Staff
- Surveys by DRHRI Researchers
- Contributions and Donations



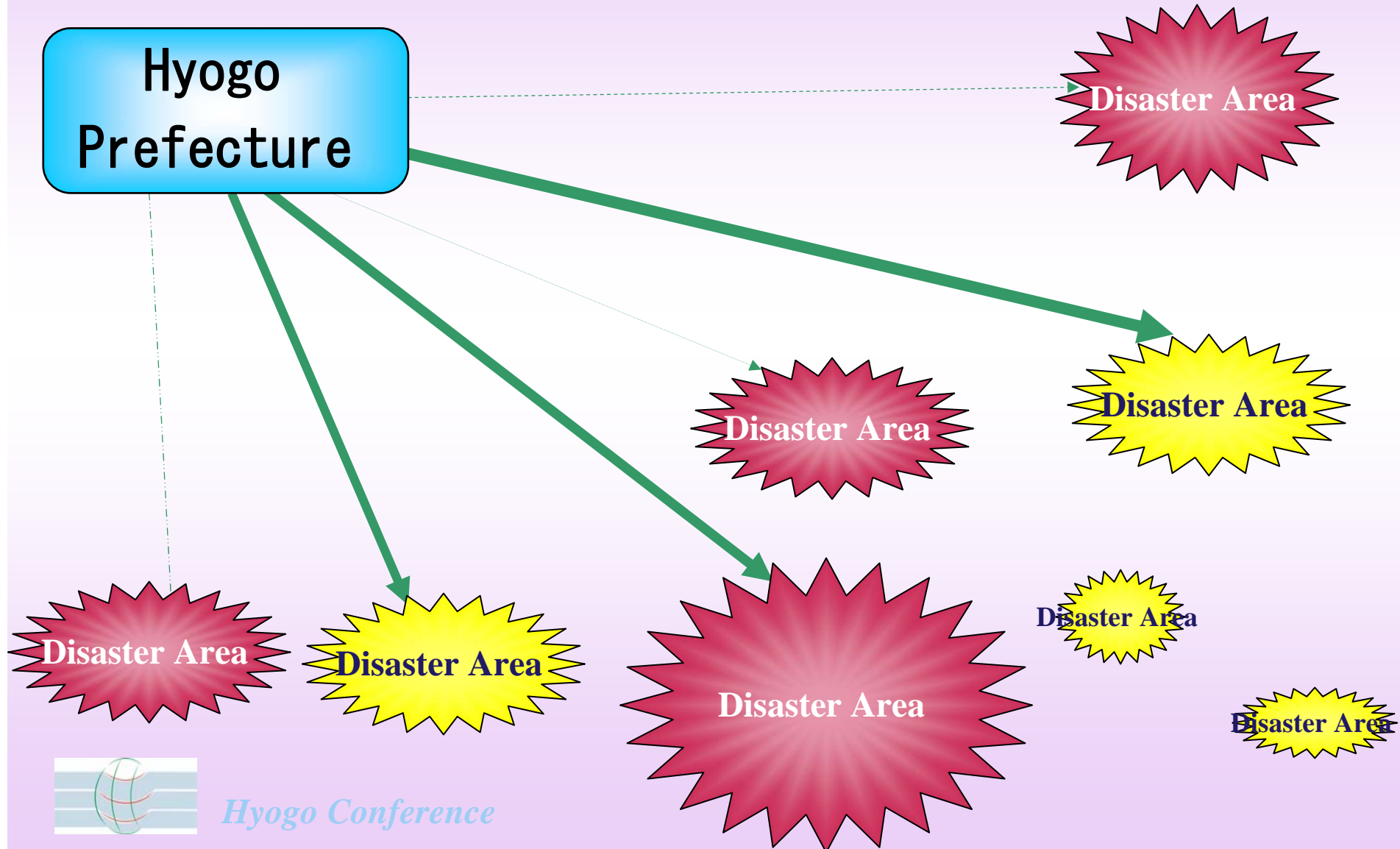


# Disaster Cycle





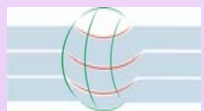
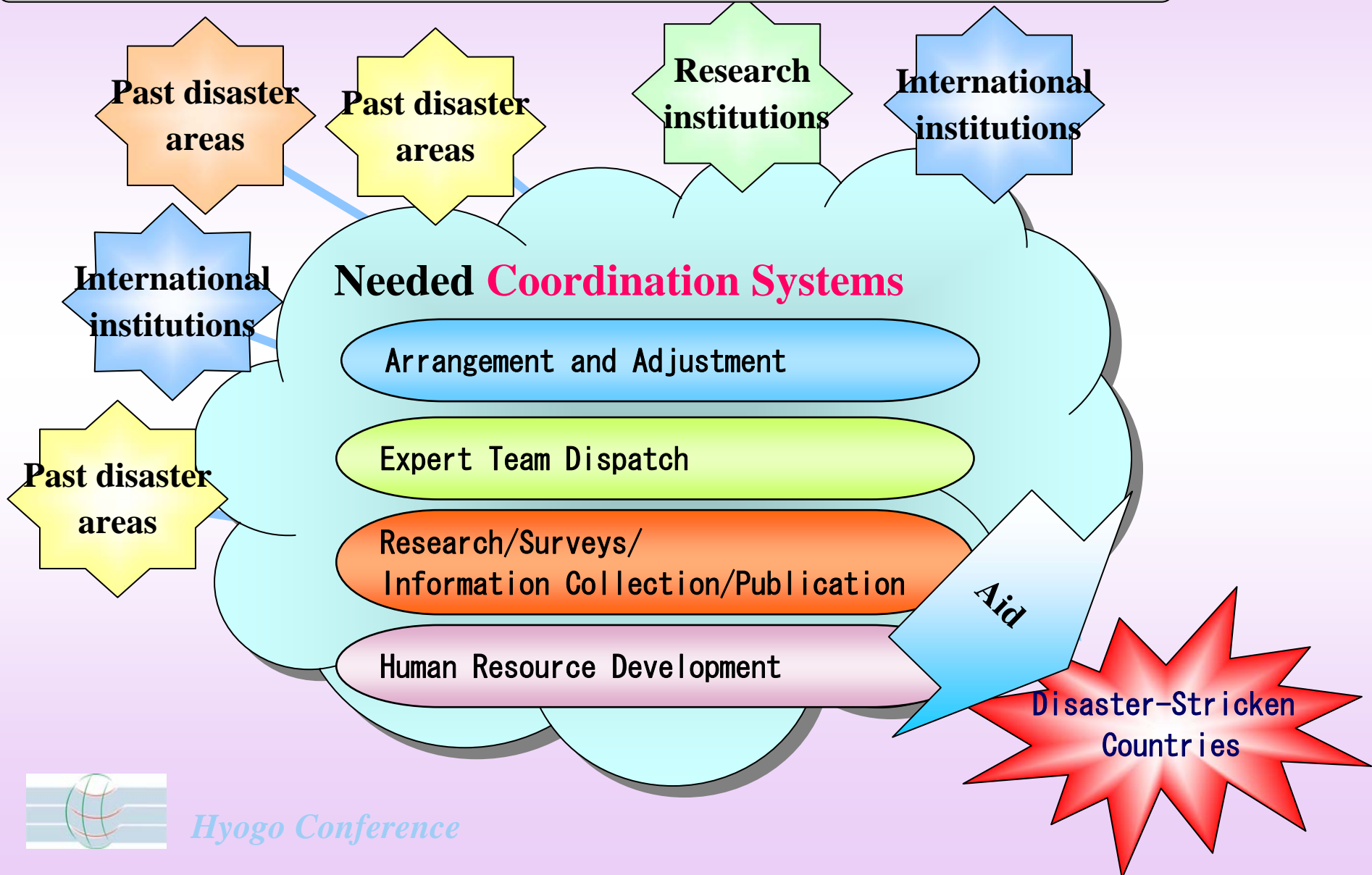
# International Assistance upon Individual Request







# Need for International Cooperation for Disaster Reconstruction





**Thank you**

