



Asian Conference on Disaster Reduction (ACDR) 2018
30 October – 1 November 2018
Awaji Island, Hyogo, Japan

Asian Disaster Reduction Center

20th Anniversary

(1998~2018)

Brief Report of 20-Years History and Future Roles

Masanori Hamada, Chairman

Background of Establishment of ADRC



1. International Decade of Natural Disaster Reduction (IDNDR)

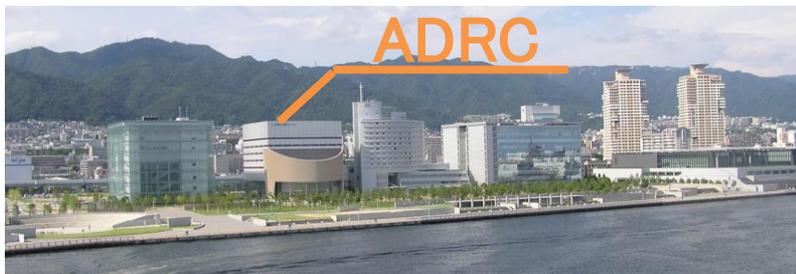
- Resolution by the UN General Assembly in 1987 to designate the 1990s as The “International Decade Disaster Reduction”.

2. World Conference on International Decade for Natural Disaster Reduction (May 1994, Yokohama, Japan)

- Adoption of “**Yokohama Strategy**”, incorporated a “Feasibility study on a system that would act as the disaster reduction coordination in the Asian Region”.

3. Ministerial – level Asian Natural Disaster Reduction Conference (December 1995, Kobe, Japan)

- The proposal of a feasibility study on a system for the disaster reduction coordinator in the Asian region was approved, and as a result of the following “Asian Natural Disaster Experts Meeting” in 1996 and “Asian Disaster Reduction Cooperation Meeting” in 1997, **ADRC was established in 1998 in Kobe, Hyogo Prefecture, Japan.**



The Head Office of ADRC in Kobe



Opening Ceremony of ADRC Office

ADRC Member Countries and Advisor Countries



Member Countries: 30, Advisor Countries: 5 (~2017)



ADRC Member Countries and Advisor Countries



Member Countries: 31, Advisor Countries: 5
(Joining of Republic of Turkey in 2018)

Newly joined in 2018



Missions and Main Activities of ADRC

(1) Missions

- 1) Enhancement of disaster resilience of the member countries
- 2) Creation of safer and more secure society with sustainable development
- 3) Development of communication networks among the member countries for natural disaster reduction

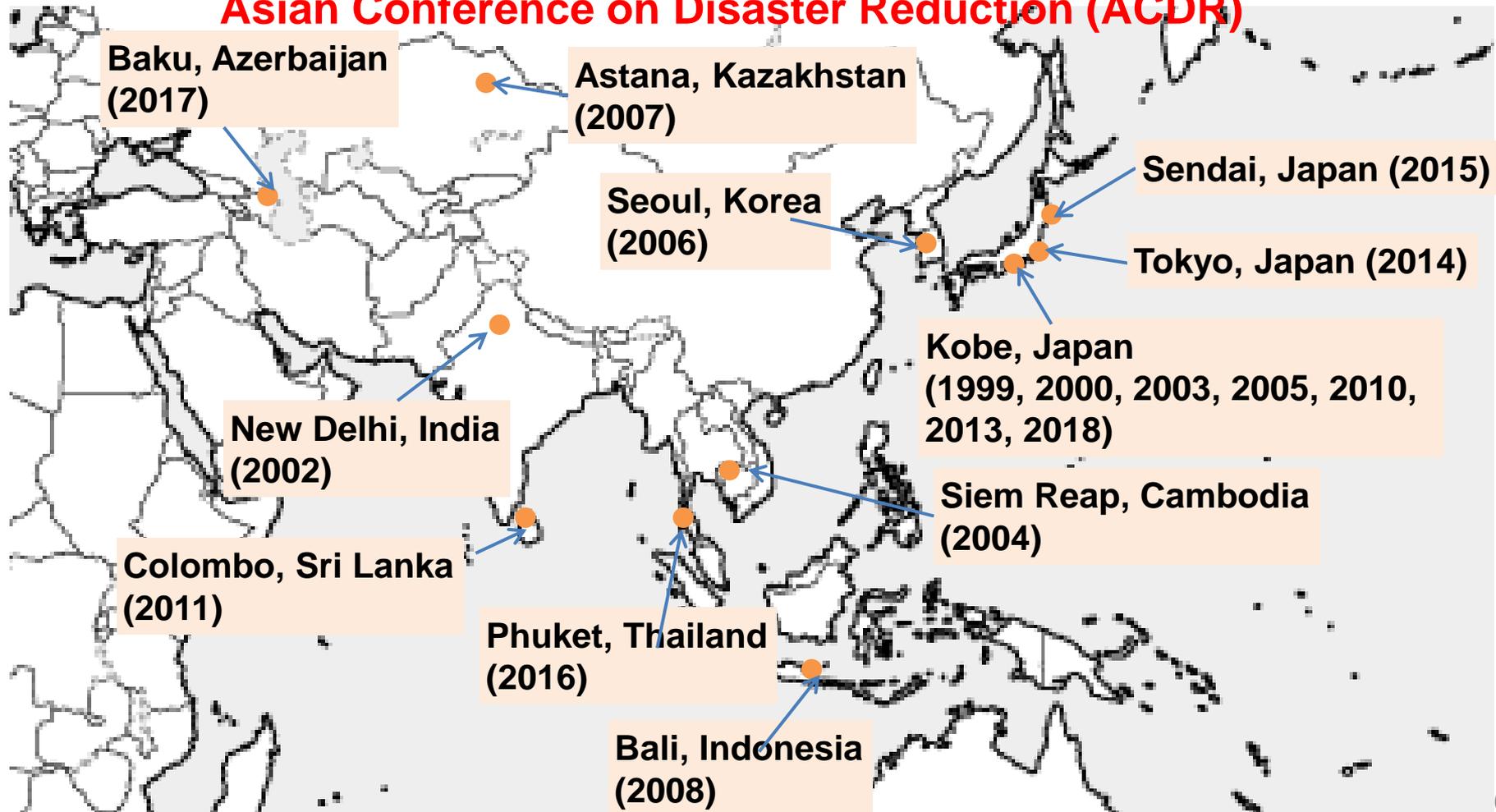
(2) Main Activities

- 1) Information sharing for natural disaster reduction
- 2) Human resource development for natural disaster reduction
- 3) Building of community capability for reduction of natural disaster
- 4) Collaboration among the member countries, international and regional organizations, and NGOs

Information Sharing

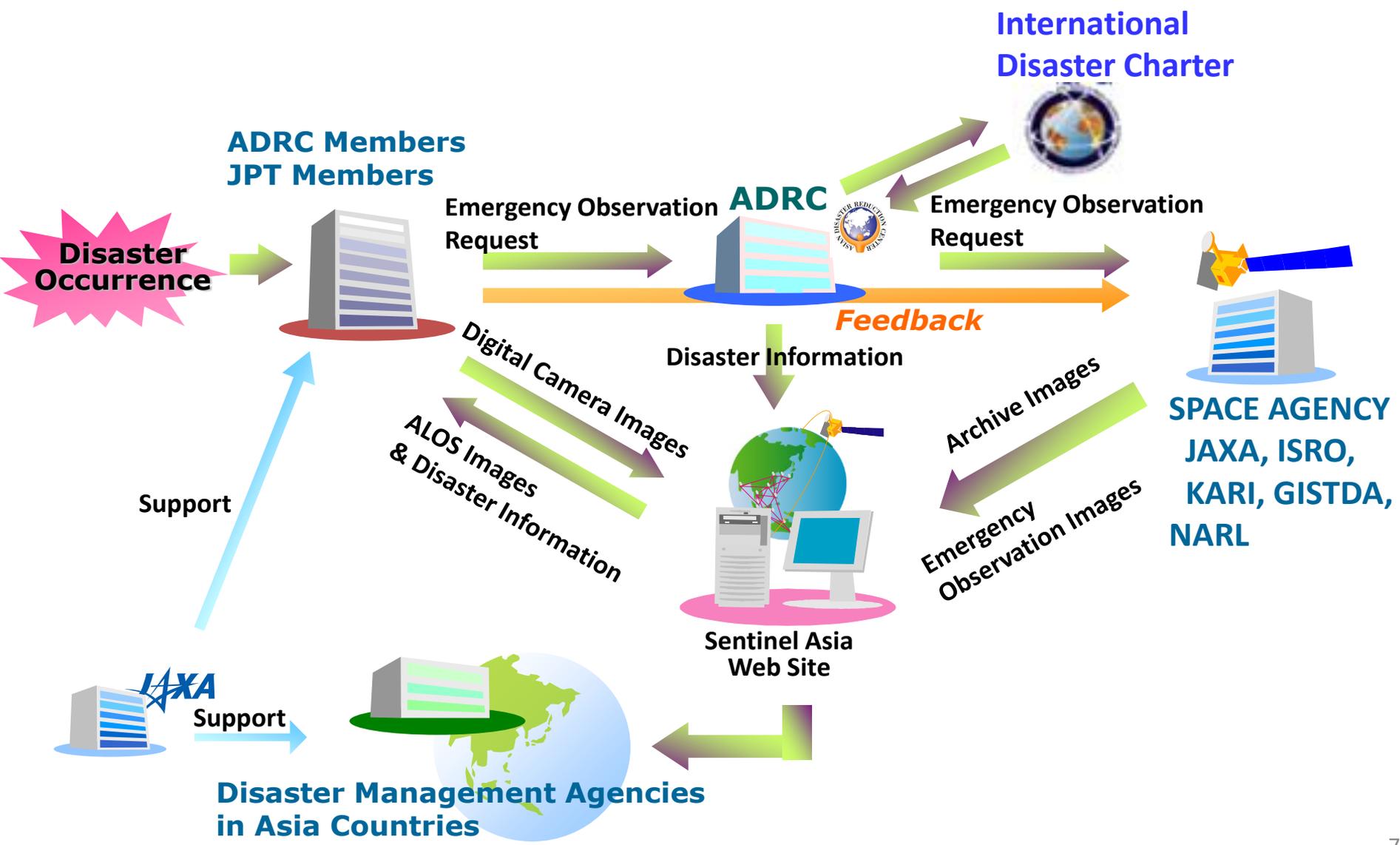
Information Sharing on Natural Disaster Damage, Recovery from Disasters, Government Policies, Development of New Technologies and Re-application of Traditional Technologies for DRR, Building of Public-Private Partnership, Community-Based DRR

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Information Sharing

- Sentinel Asia Transmitting Images of Disaster Affected Areas -
- Flow of Emergency Obscuration in The Sentinel Asia



Human Resource Development: Visiting Researchers from Member Countries



Research Subject

- Governmental Policies for DRR (Central and Local Governments)
- Emergency Response and Rescue Operation
- Recovery Plan
- Warning System, Education and Evacuation

Total: 105, Since 1999

Number of VR from Member Countries



Visit to Cabinet Office of Japanese Government

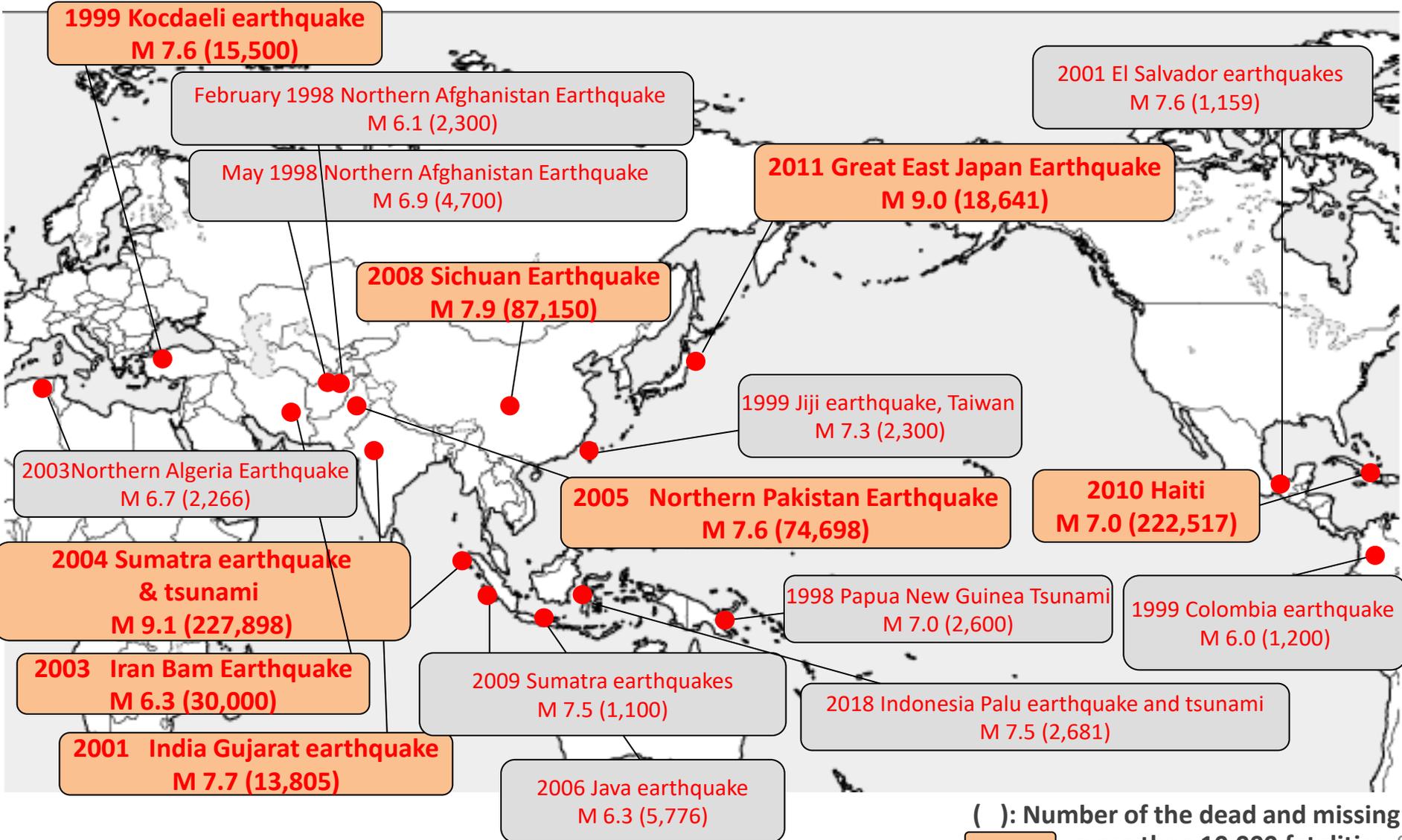


How to Prepare against Increasing Natural Disasters in the World



-Future Roles of ADRC-

Earthquakes with more than 1,000 fatalities since 1998



(): Number of the dead and missing
Orange box: more than 10,000 fatalities

Earthquakes and Tsunami Disasters in the World in the 21st Century



The number of the dead and missing : 227,898

2004 Sumatra Tsunami (Indonesia)



The number of the dead and missing : 74,698

2005 Northern Pakistan Earthquake



The number of the dead and missing : 87,150

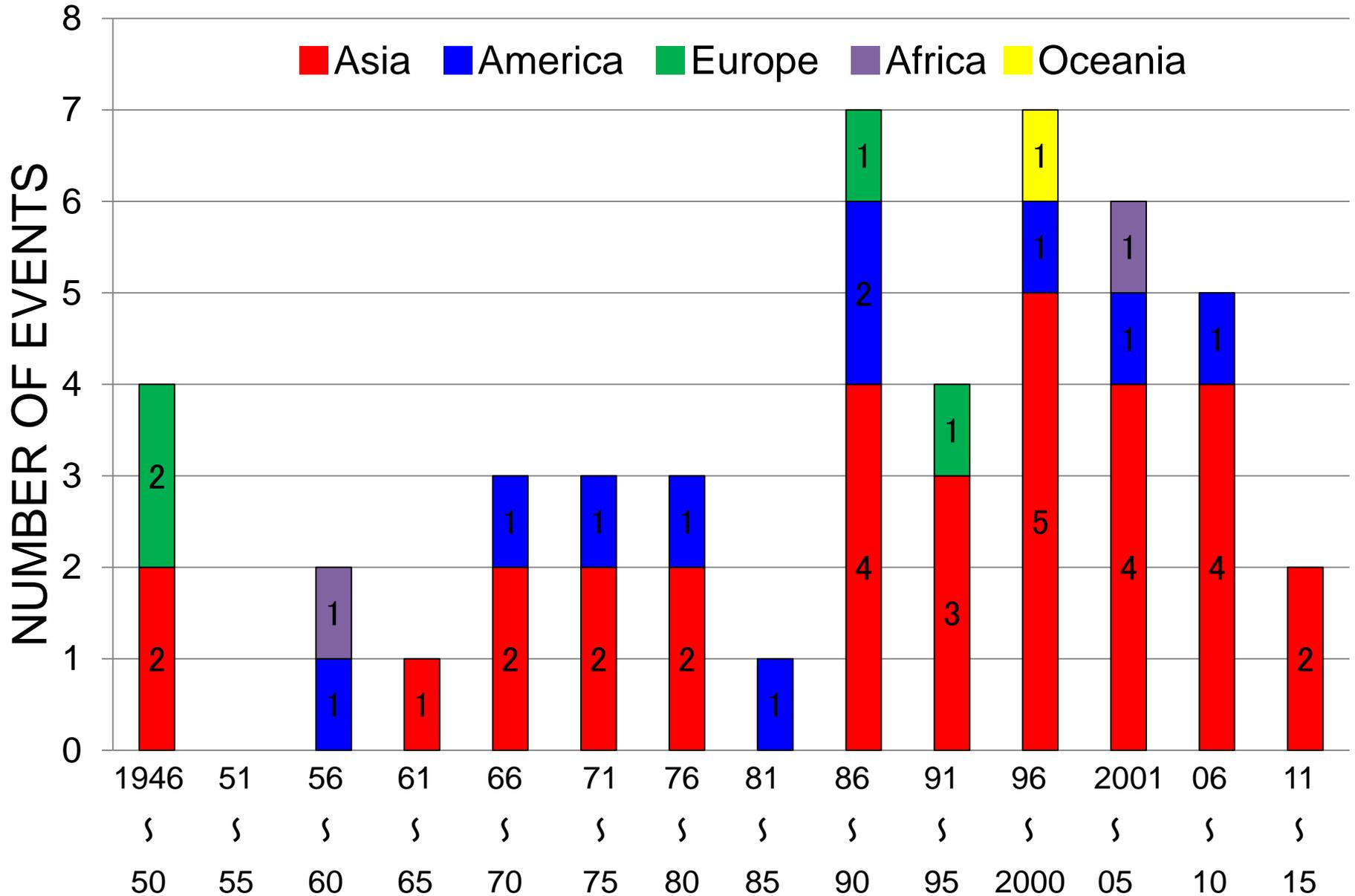
2008 Sichuan Earthquake (China)



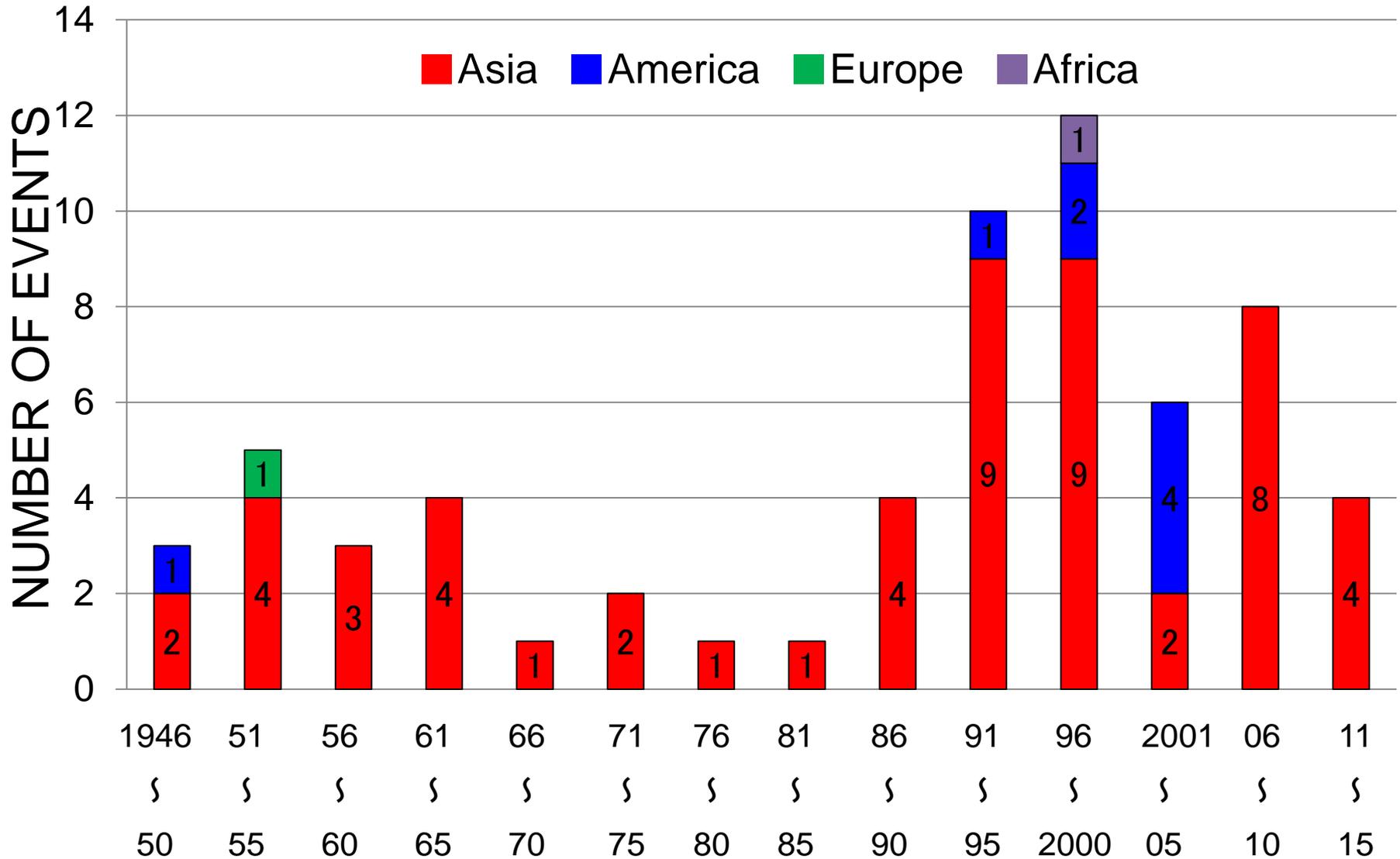
The number of death and missing : 18,641

2011 Great East Japan Earthquake

Disastrous Earthquakes and Tsunamis in the World Since 1946 (Events with more than 1000 fatalities)



Disastrous Storms and Floods in the World Since 1946 (Events with more than 1000 fatalities)

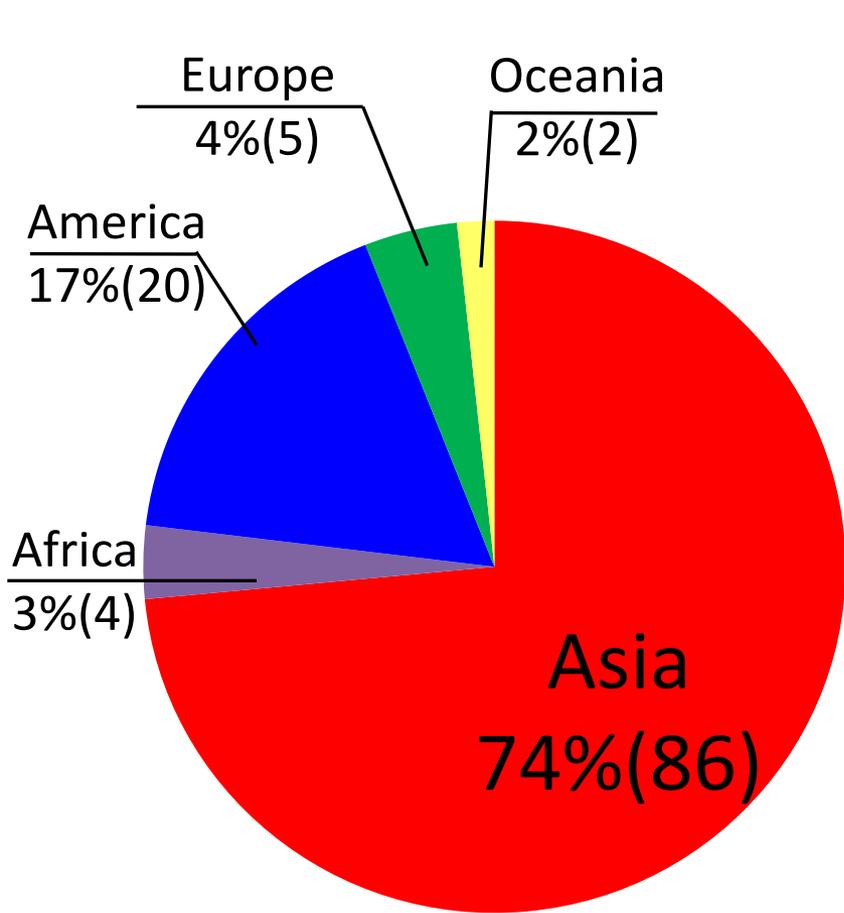


Regional Ratios of The Number of Natural Disasters and Fatalities (1946~2015)

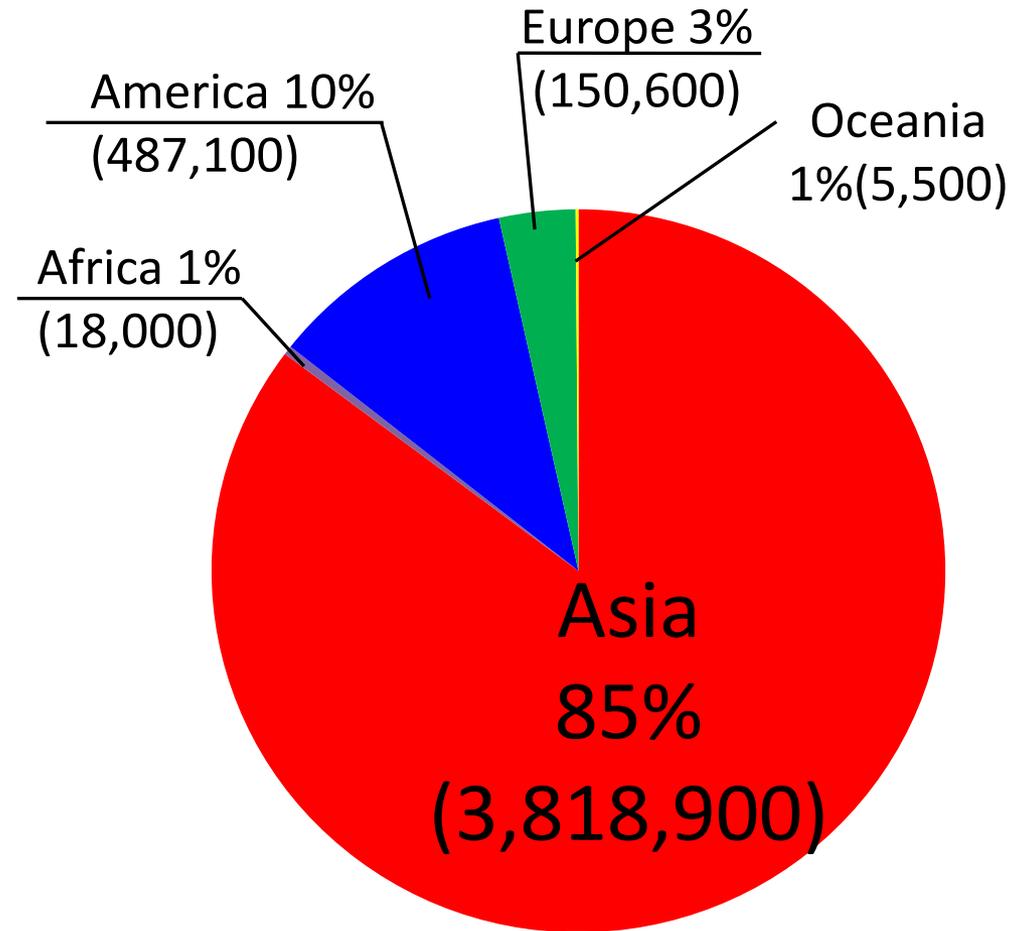


(Statistics by natural disasters with more than 1,000 fatalities)

White Paper, Disaster Management in Japan, Cabinet Office of Japan



Number of Occurrences of The Natural Disasters : 117



Number of The Fatalities: 4,480,100

Increase of Natural Hazards due to Change of Natural Environments and Social Circumstances



Change of Natural Environment

- Global Warming
- Heat Island of Urbanized Areas
- Deforestation
- Desertification
- Erosion of River Bank and Seashore

Increase of Natural Hazards

- Heavy Rain and Snowfall
- Huge Typhoon , Hurricane and Cyclone
- Drought
- Abnormally High Temperature
- Storm Surge and High Wave

Change of Social Circumstances

- Heavy Congestion in Urban Areas
- Depopulation in Rural Areas
- Human Habitation on Disaster Fragile Land
- Lack of Cooperation and Communication among Societies
- Insufficient Budget for Natural Disaster Reduction Measures

Increases of Scale and Frequency of Natural Disasters

- World-wide Challenge for Reduction of Natural Disasters
- Role and Responsibility of ADRC as a Center for Natural Disaster Reduction in the Asia