



The 13th ASEAN & Japan High Level Officials Meeting on Caring Societies  
October 22th , 2015 Hyogo prefecture , Japan

Promoting Disaster Risk Reduction through  
Multi-National Cooperation in the Asian Region

## **ADRC Activities**

1. Natural disasters and Asia
2. UN Conference and Natural Disaster
3. Asian Disaster Reduction Center :Major activities after Sendai

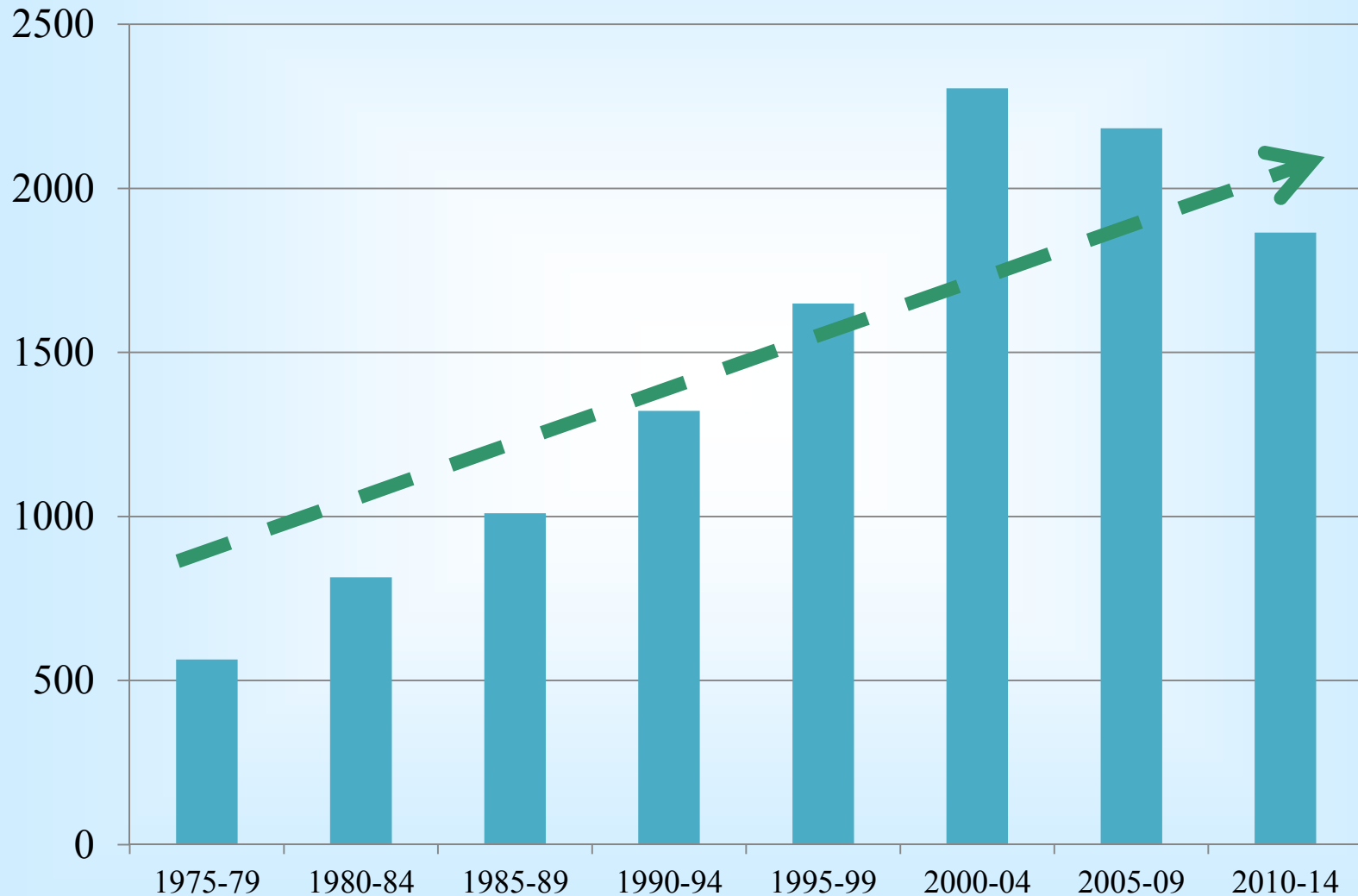
Asian Disaster Reduction Center, ADRC



## 1. Natural disasters and Asia

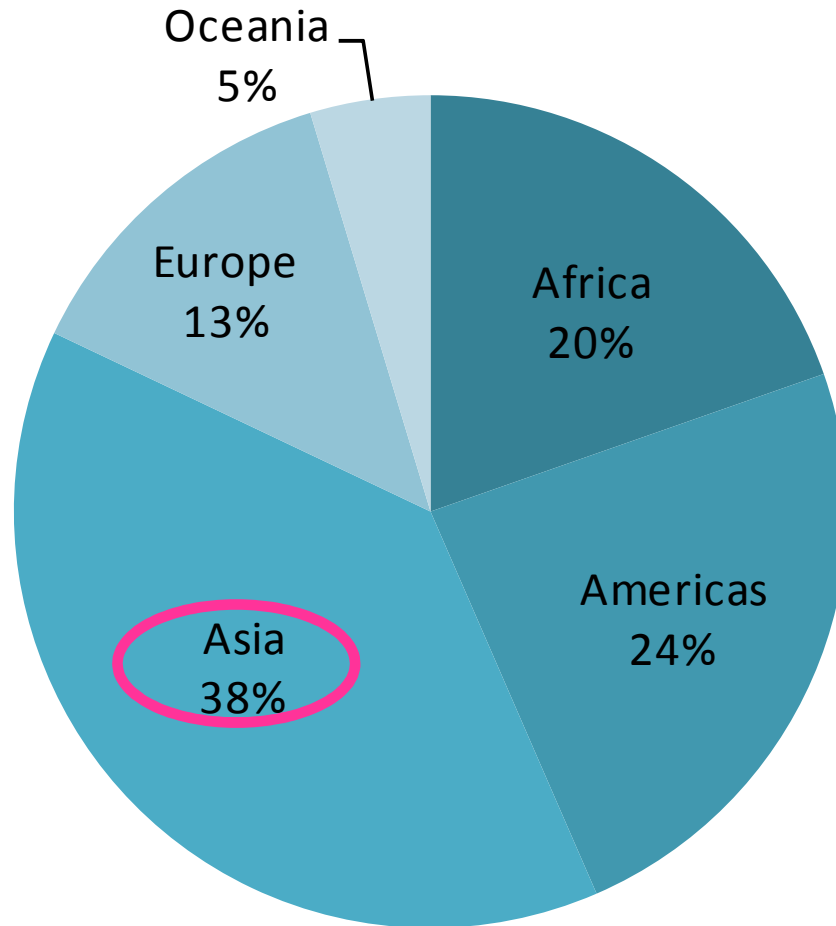
# Trends of natural disaster in the world

number of natural disasters





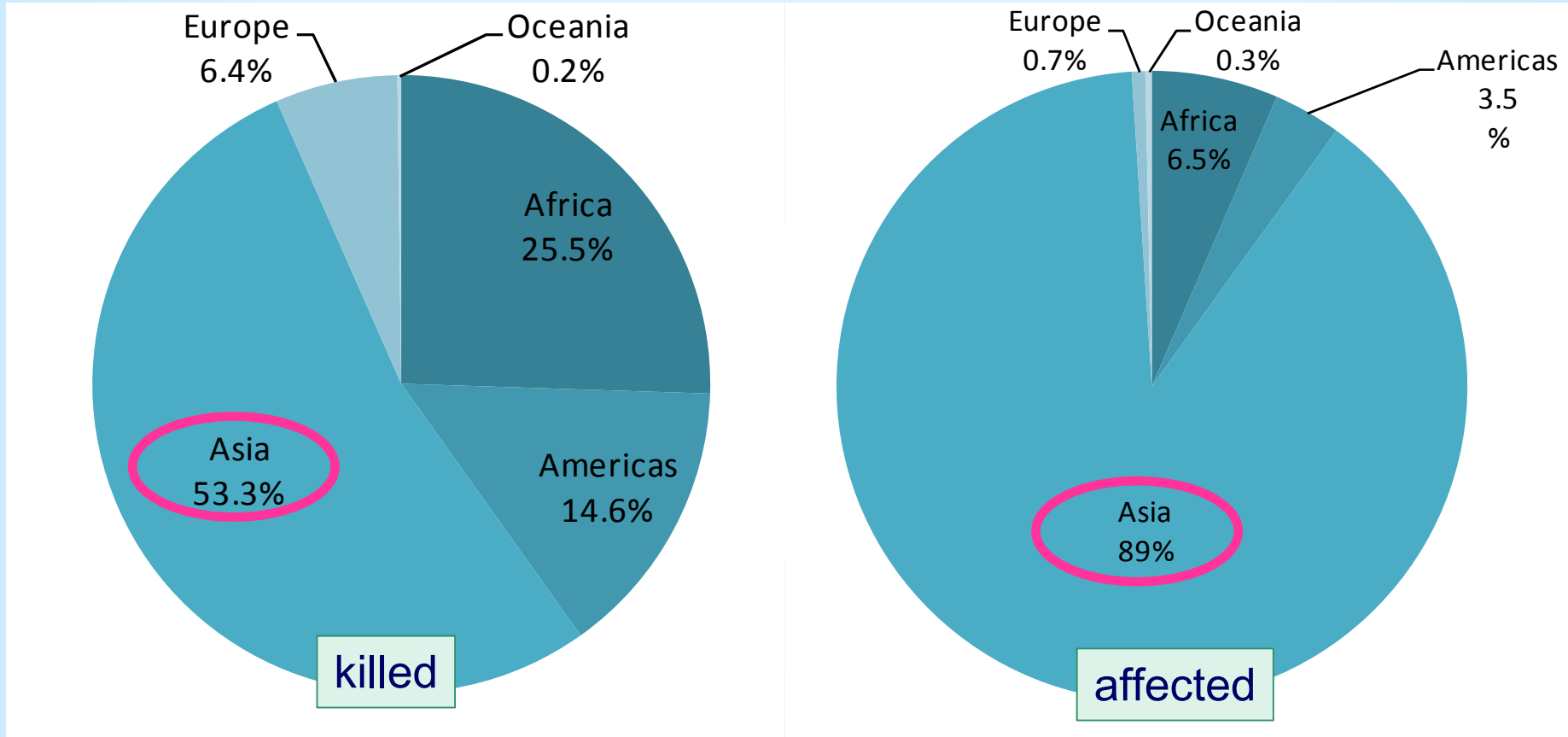
# Share of Natural Disasters Occurred in the World by Regions 1975 - 2011



Source: CRED EM-DAT, Univeresite Catholique de Louvain, Brussels, Belgium

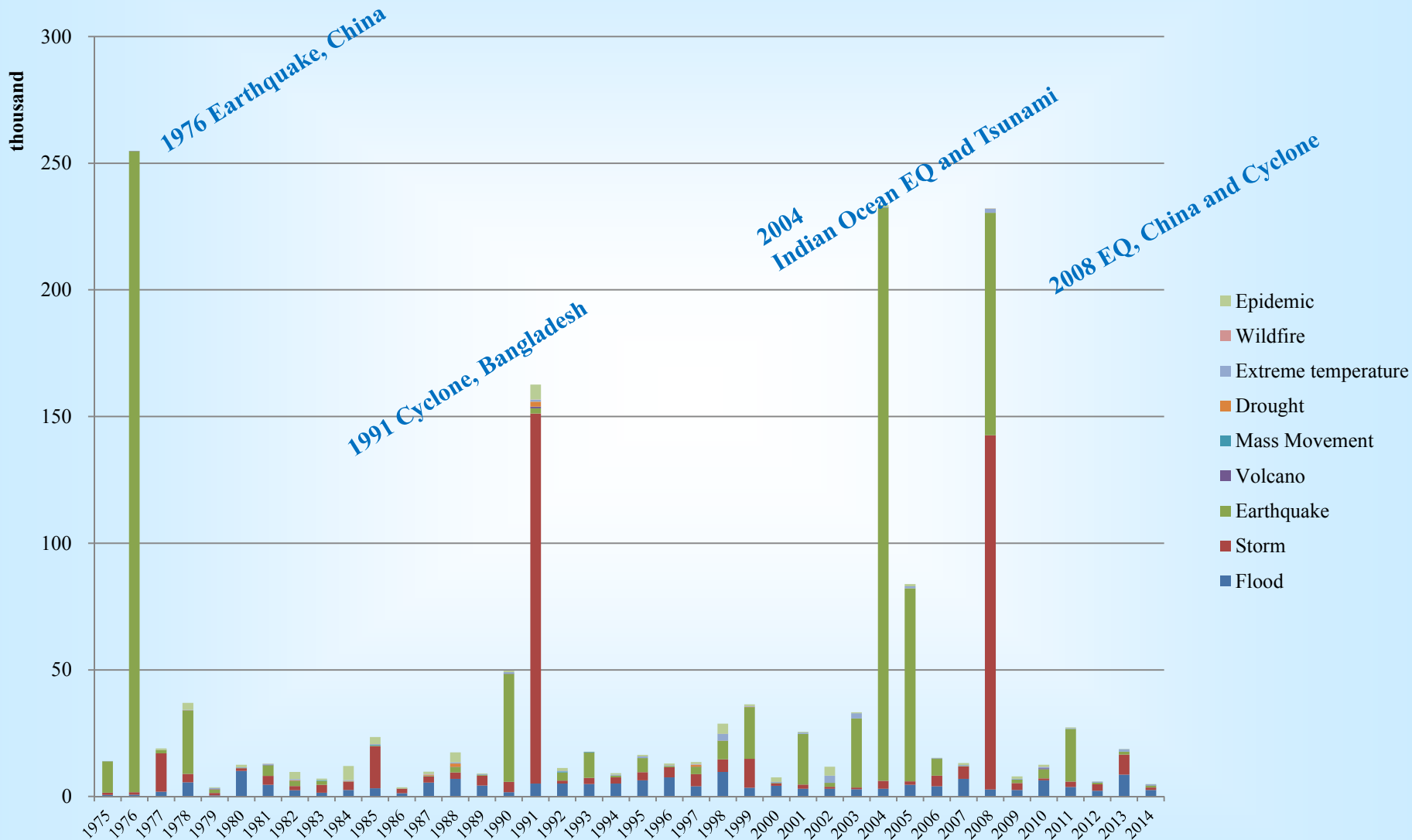


# Share of the affected in the World 1975 - 2011





# Scale of natural disasters in Asia



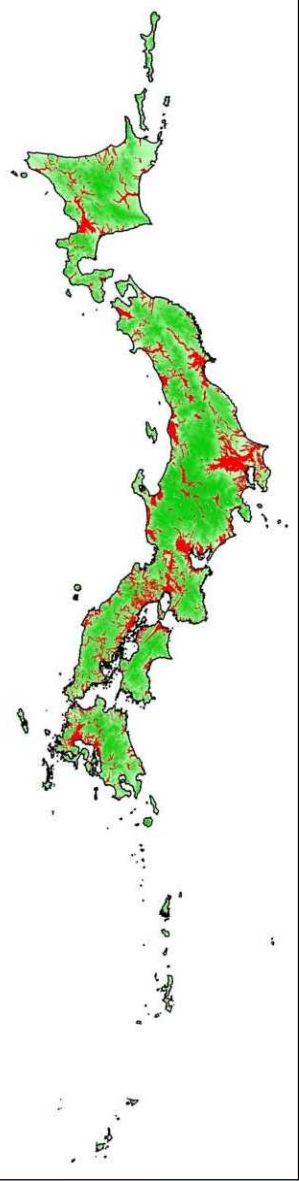
Number of the killed

Source: The OFDA/CRED International Disaster Database – [www.emdat.be](http://www.emdat.be) Universite Cathorique de Louvain, and UN

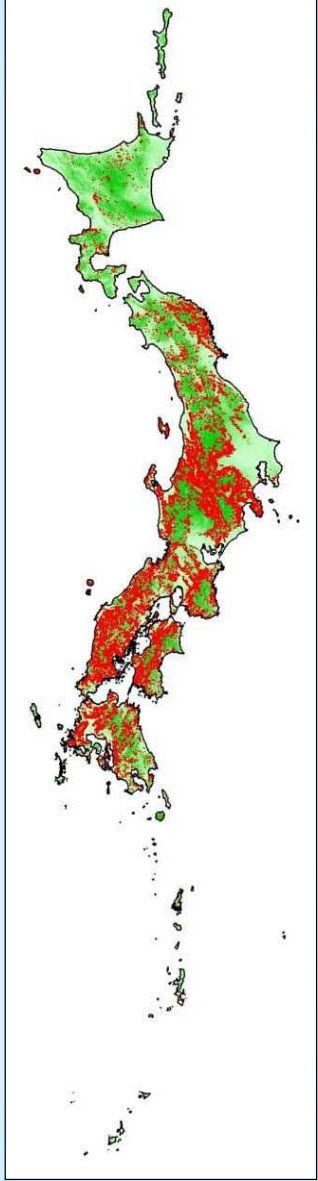


# Areas vulnerable to Natural Disasters in Japan

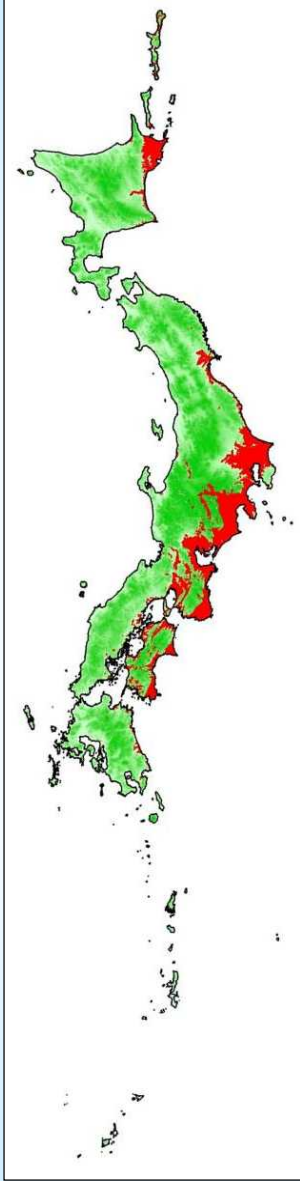
Source:MLIT



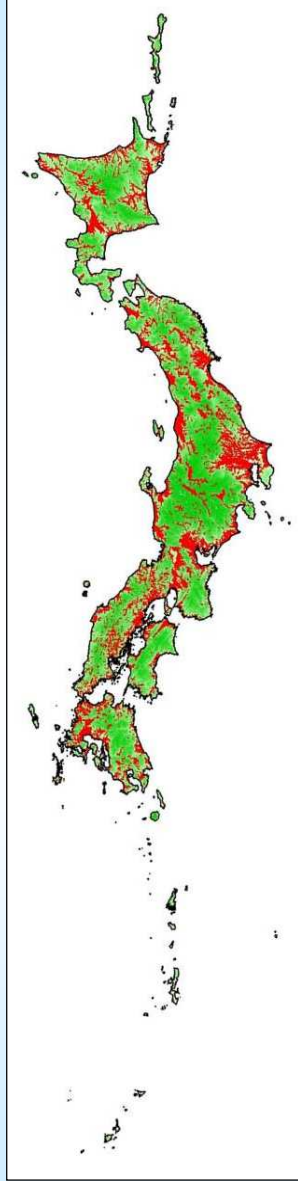
Flood



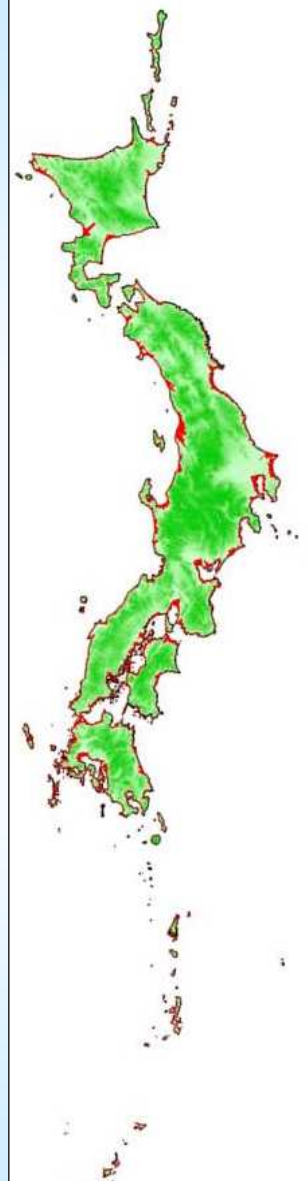
Mudslide,  
Landslide



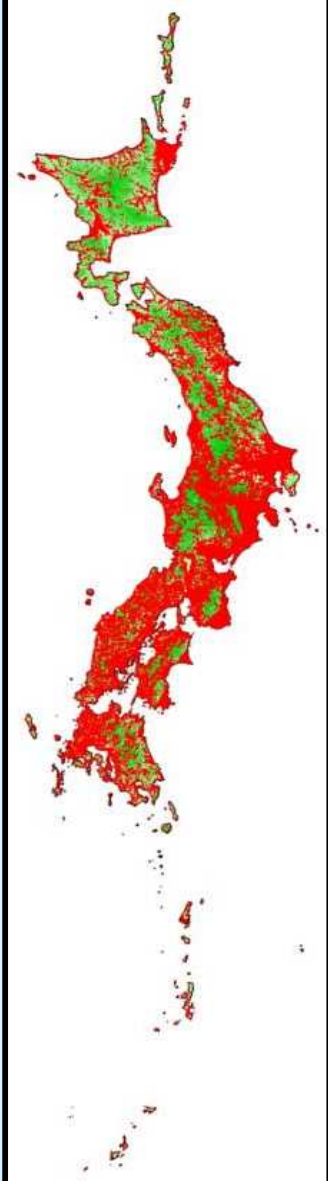
Earthquake  
Seismic vibration



liquefaction



Tsunami



Vulnerable  
areas



- **A single disaster can wipe out annual GDP of a country, also social stability and national security**
- **Natural disaster can be the biggest obstacle to social security of a country**

**Disaster Risk Reduction is  
a precondition for  
Sustainable Development in Asia**





## 2. UN Conference and Natural Disaster

# World Conference on DRR

**1990s** International Decade for Natural Disaster Reduction, IDNDR

**1994** The First World Conference in Yokohama

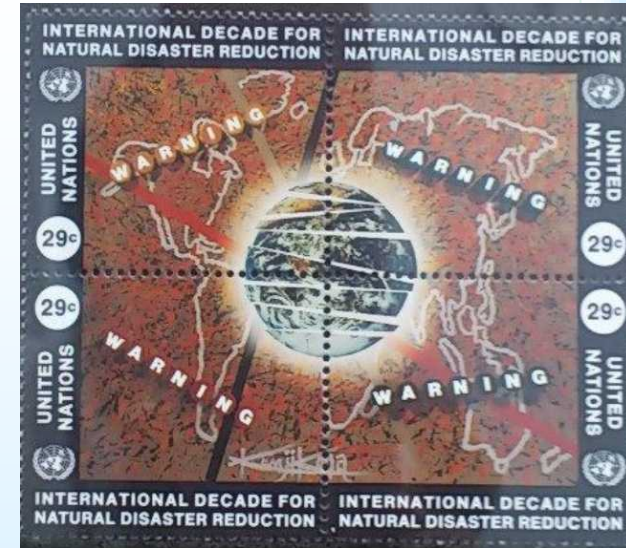
→ *Yokohama Strategy*

**1995** Great Hanshin-Awaji Earthquake

**2005** The Second World Conference in Kobe, Hyogo

→ *Hyogo Framework for Action, HFA*

**2011** Great East Japan Earthquake and Tsunami







# The Third UN World Conference on Disaster Risk Reduction

- Date: 14-18 March 2015
- Venue: Sendai City, JAPAN
- More than 6,500 participants including heads of states government, ministers and representatives from 187 member states, and 150,000 visitors





# Outcome of the WCDRR

- Adoption of:
  - Sendai Framework for Disaster Risk Reduction 2015-2030
  - Sendai Declaration





# International Agenda

## Sendai Framework

- ◆ Seven Global Targets
  - Reduce mortality, disaster economic loss, etc.
  - Increase countries with DRR strategy, etc.
- ◆ New Perspectives
  - Investment in DRR
  - Build Back Better
  - Focus on Stakeholders



## International Agenda after WCDRR

- ◆ Post-2015 Development Agenda
  - To be adopted at the UN GA in September 2015
  - Expected to clearly include DRR in their targets
- ◆ COP21
  - Conference in Paris in November 30th to December 11th, 2015
  - Expected to prioritize DRR as an important element of adaptation to the impact of climate change

## Mainstreaming Disaster Risk Reduction

Disaster risk reduction is mainstreamed when countries define DRR as a priority issue and include DRR in all development policies and plans. By mainstreaming DRR, investment in DRR is enhanced, leading to a disaster resilient country.



# Public forum :Building Resilience at the Local Level

Learning from the Experiences in the Efforts  
for Sustainable CBDRR Activities in Asia

**Date :** March 17<sup>th</sup>    **Organizer:** BNPB, Indonesia, JICA , ADRC

## Sessions:

- 1: Lessons Learned from the efforts for enhancing local resilience in Asia,
- 2: Building Sustainability of Community-based Disaster Risk Reduction Efforts in Asia

## Main findings:

1. Ensuring sustainability of community-based disaster risk reduction through means of national and local policies, guidelines, system and so on
2. Strengthening partnerships among stakeholders to promote CBDRR
3. Mainstreaming CBDRR-CBDRM into local development plans and policies







# The Asian Conference on Disaster Reduction, ACDR

Since 2003, the Asian Conference on Disaster Reduction, ACDR has been co-organised by the Cabinet Office, Japan, UNISDR and ADRC.

ACDR 2015 was held on March 15<sup>th</sup>, as a public forum of the WCDRR.

Date: 15th March 2015

Venue: Sendai City, JAPAN

More than 180 participants from 29 countries with representatives of national and local governments, inter-governmental organizations, NGOs, academia, and private sectors.





### 3. ADRC and major activities after Sendai

Asian Disaster Reduction Center , ADRC was established in 1998.

HAT Kobe is one of the areas redeveloped after the Earthquake in 1995 as one of the symbols of recovery *and BBB*, where many disaster-related institutions are concentrated, including the Earthquake Museum, DRI, JICA training center, Japanese Red Cross Hospital, UNISDR, UNOCHA, IRP.







# ADRC Member Countries



30 Member Countries, 5 Advisor Countries



# Missions and major activities

## **Missions**

1. Strengthening the Disaster Reduction Capacity of Member Countries
2. Developing a Society where Human Beings can Lead a Safer and more Comfortable Life
3. Helping Create Society Capable of Achieving Sustainable Development

## **Activities**

1. Information Sharing on Disaster Risk Reduction
2. Human Resources Development
3. Cooperation with Member Countries, International / Regional Organisations and NGOs



# Steps after Sendai for a more resilient Asian region

- Raising awareness -- World Tsunami Day --*
- Community-based DM in ageing and urbanising Asia through people-centered disaster risk reduction*
- Better use of satellite imagery, better bridging scientific and locally based knowledge*





# World Tsunami Day

Threat of Tsunamis is a shared concern in many countries in the World.

- Chile in 1960
- Papua New Guinea in 1998
- off the coast of Sumatra in 2004
- off the Samoa in 2009
- off Solomon Islands in 2007 & 2013
- Tohoku, Japan in 2011

The number of the victims by tsunami could be reduced throughout the efforts to increase awareness of the international community by designating the “[World Tsunami Day](#)”, as a follow-up of the WCDRR, thereby contributing to achieve the target defined in the Sendai Framework for DRR.







# Inamura no Hi in more than 10 languages

from ADRC site

<http://www.adrc.asia/publications/inamura/list.html>

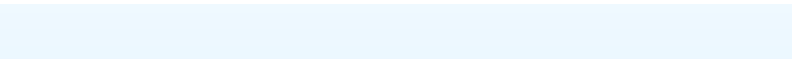


## Tsunami Educational Booklet "Inamura no Hi"

for 8 countries in the Asian region



(Click images of the covers to download pdf formatted materials)



Country	Adult Version	Children Version
Bangladesh	 (pdf 4.8MB)	 (pdf 4.8MB)
India (Hindi)	 (pdf 0.8MB)	 (pdf 1.4MB)
India (Tamil)	 (pdf 1.7MB)	 (pdf 1.4MB)

Indonesia



(pdf 4.2MB)



(pdf 4.6MB)

Malaysia



(pdf 6.5MB)



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(pdf 5.0MB)

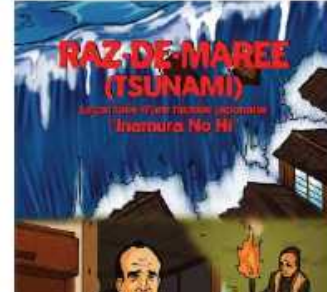
English Version (pdf 1.8MB)



French Version (pdf 2.9MB)



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Spanish Version (pdf 2.5MB)

Nepal



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Singapore



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Sri Lanka



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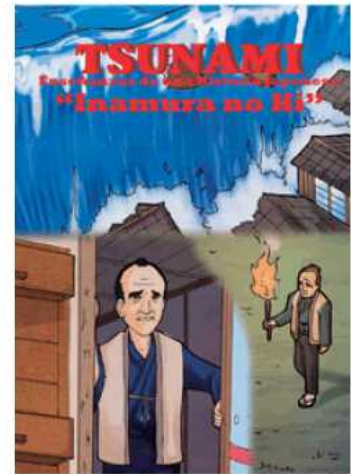
Philippines



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# People-centered and community-based disaster risk reduction "Town watching"

ADRC has contributed to training of trainers, ToT by organising "Town watching" for community based disaster risk reduction in member countries.

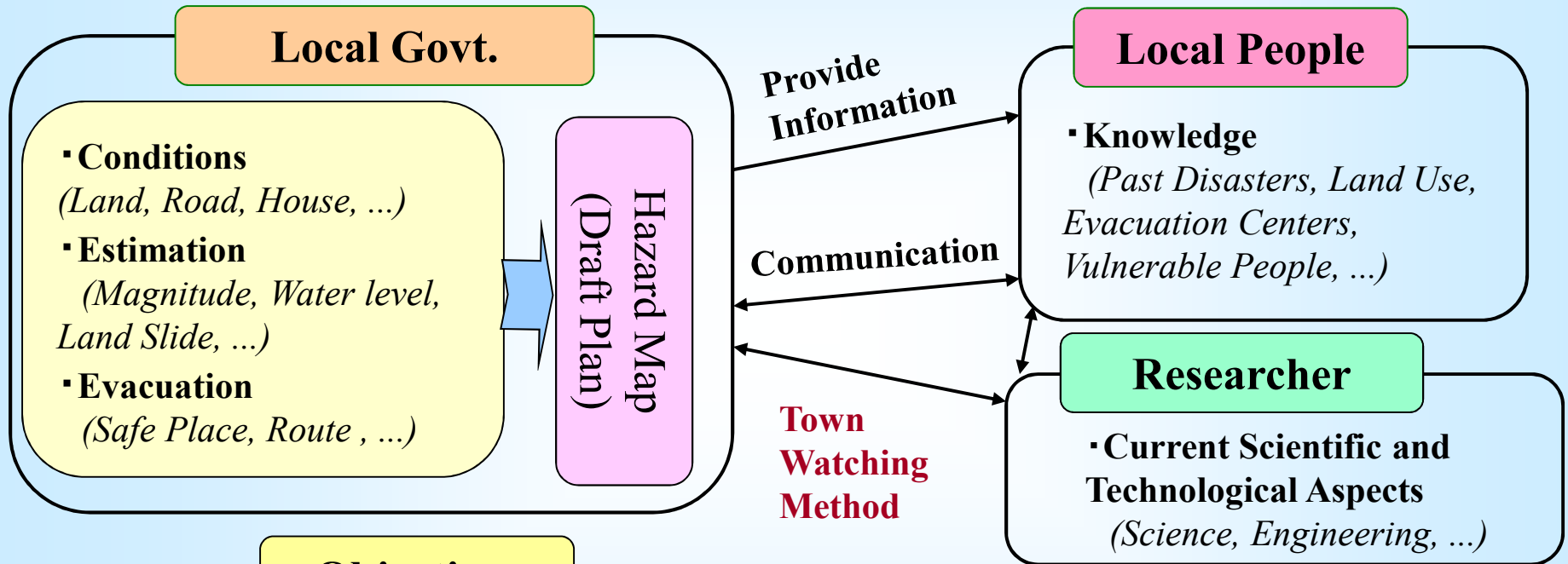
## Case of Hue, Vietnam





# Community Based Hazard Mapping

ADRC developed the tool for capacity building at community level

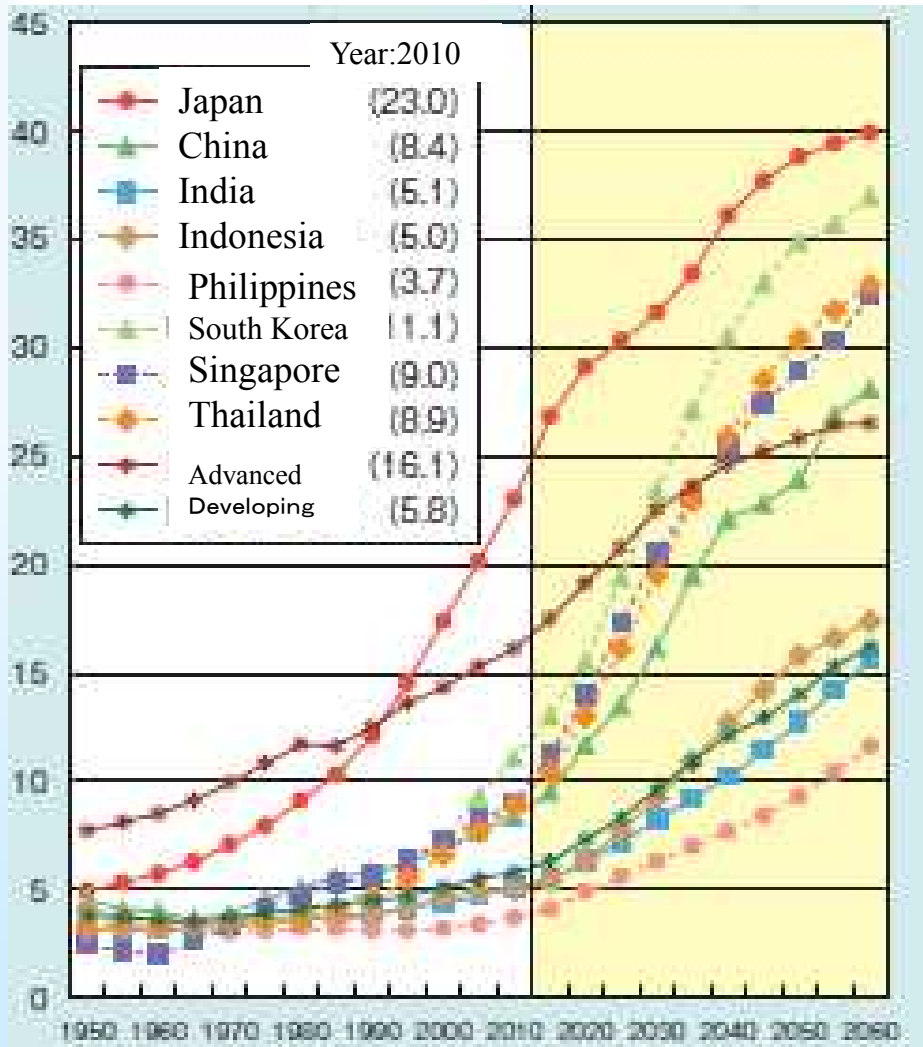


## Objectives

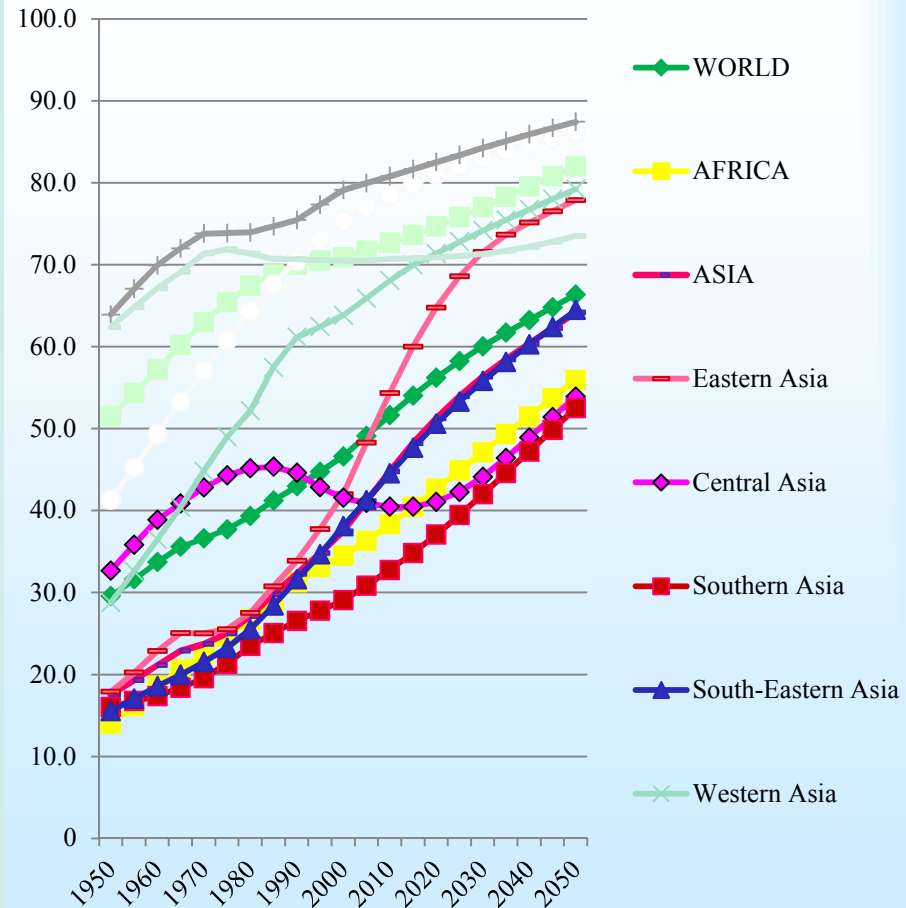
- To involve local residents in developing hazard maps for their community
- To reflect the opinions of local residents in local policy making
- To promote common understanding of risks among local residents, governments and experts



# Progressive Ageing and Urbanisation in Asia



Share of aged population



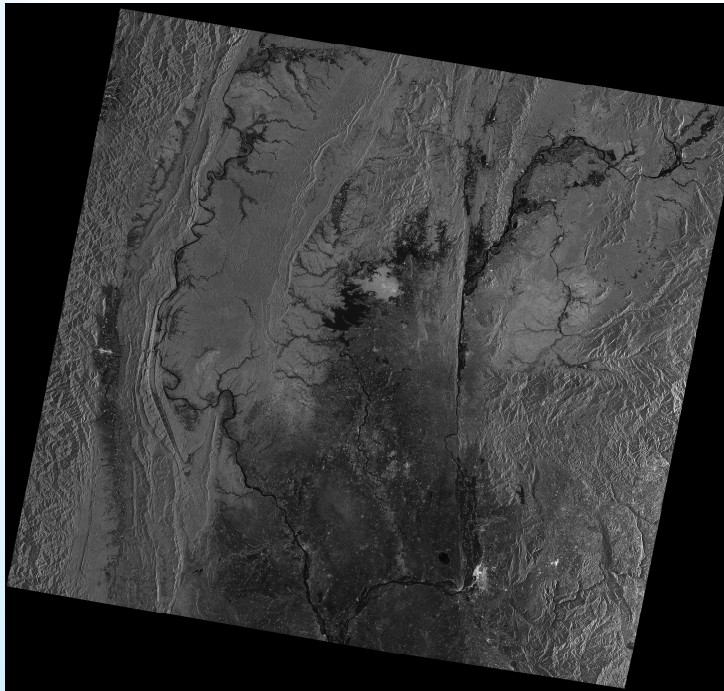
Population in urban areas

Source : UN World urbanisation prospects 2014

# Sentinel Asia and ADRC

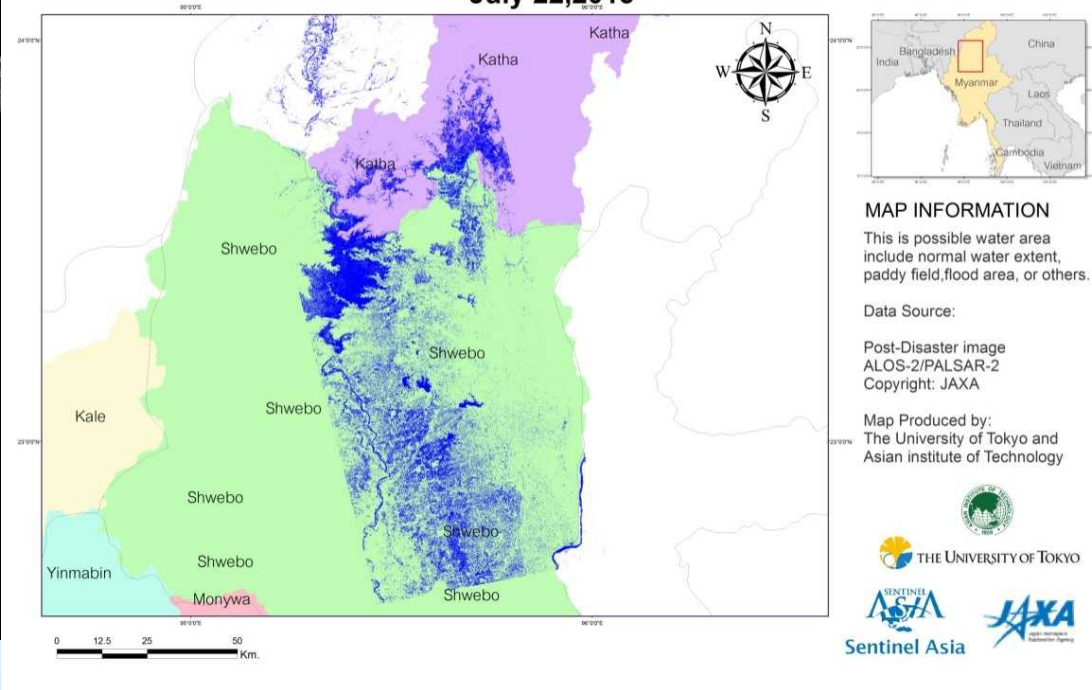


# Flood in Myanmar in July



ALOS-2 PALSOR2 Post Disaster

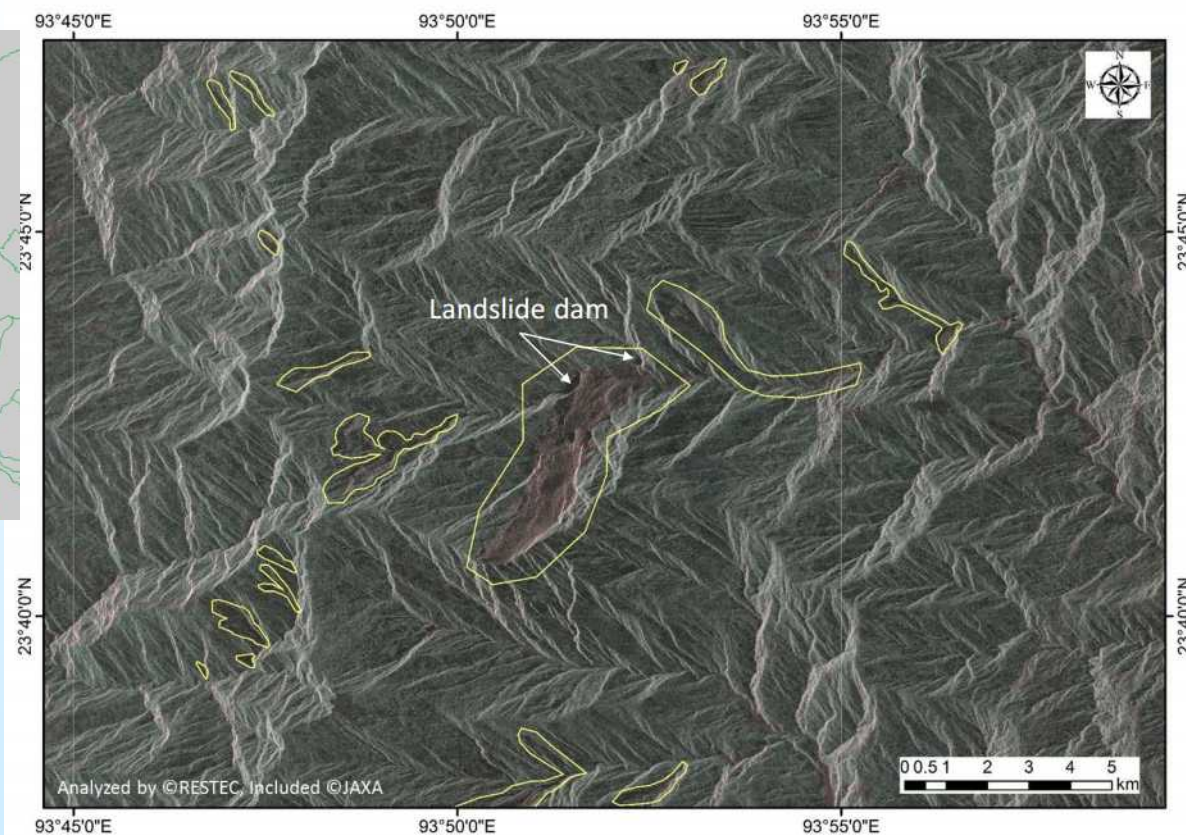
**FLOOD DETECTION BY ALOS-2/PALSAR-2  
Kachin State and Sagaing Region, Myanmar  
July 22, 2015**



The Image produced in two days after the flood upon the request . The inundated area is in blue.



# Flood in Myanmar in July



Three landslide dams were founded in interpreted area, one of which bursted on 28 August, and Hakhley village was swept in mudflow.



*ADRC promotes disaster risk reduction through multi-national/multi-stakeholder/multi-lateral cooperation in the Asian region.*



<http://www.adrc.asia>

*Thank you very much*