

# JICA's Support in DRR Sector in South Asia

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# Responsibility of Donors for SDGs



SUSTAINABLE DEVELOPMENT GOALS

世界を変えるための17の目標



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# DRR is incorporated in many Goals.

## Natural Disasters also may affect the achievement of SDGs



1.5 By 2030, build the resilience of the poor and those in vulnerable situations and reduce their exposure and vulnerability to climate-related extreme events and other economic, social and environmental shocks and disasters



2.4 By 2030, ensure sustainable food production systems and implement resilient agricultural practices that increase productivity and production, that help maintain ecosystems, that strengthen capacity for adaptation to climate change, extreme weather, drought, flooding and other disasters and that progressively improve land and soil quality



9.1 Develop quality, reliable, sustainable and resilient infrastructure, including regional and transborder infrastructure, to support economic development and human well-being, with a focus on affordable and equitable access for all

9.a Facilitate sustainable and resilient infrastructure development in developing countries through enhanced financial, technological and technical support to African countries, least developed countries, landlocked developing countries and small island developing States



11.5 By 2030, significantly reduce the number of deaths and the number of people affected and substantially decrease the direct economic losses relative to global gross domestic product caused by disasters, including water-related disasters, with a focus on protecting the poor and people in vulnerable situations



11.b By 2020, substantially increase the number of cities and human settlements adopting and implementing integrated policies and plans towards inclusion, resource efficiency, mitigation and adaptation to climate change, resilience to disasters, and develop and implement, in line with the Sendai Framework for Disaster Risk Reduction 2015-2030, holistic disaster risk management at all levels

Goal 13. Take urgent action to combat climate change and its impacts

# JICA's Logic & Priority for Action

## Leadership/Governance/Management

Governance/Mainstreaming

P2. Strengthening governance to manage disaster risk

## Disaster Risk Reduction cycle

Disaster

Investment for prevention

P3. Investing in disaster prevention and mitigation as an asset for sustainable development

Preparedness

P4. Preparing for effective response

Build Back Better

P5. Recovery and Reconstruction for a resilient society

Understanding Disaster Risk

P1. Understanding Disaster Risk

## Knowledge/Evidence/Science Support

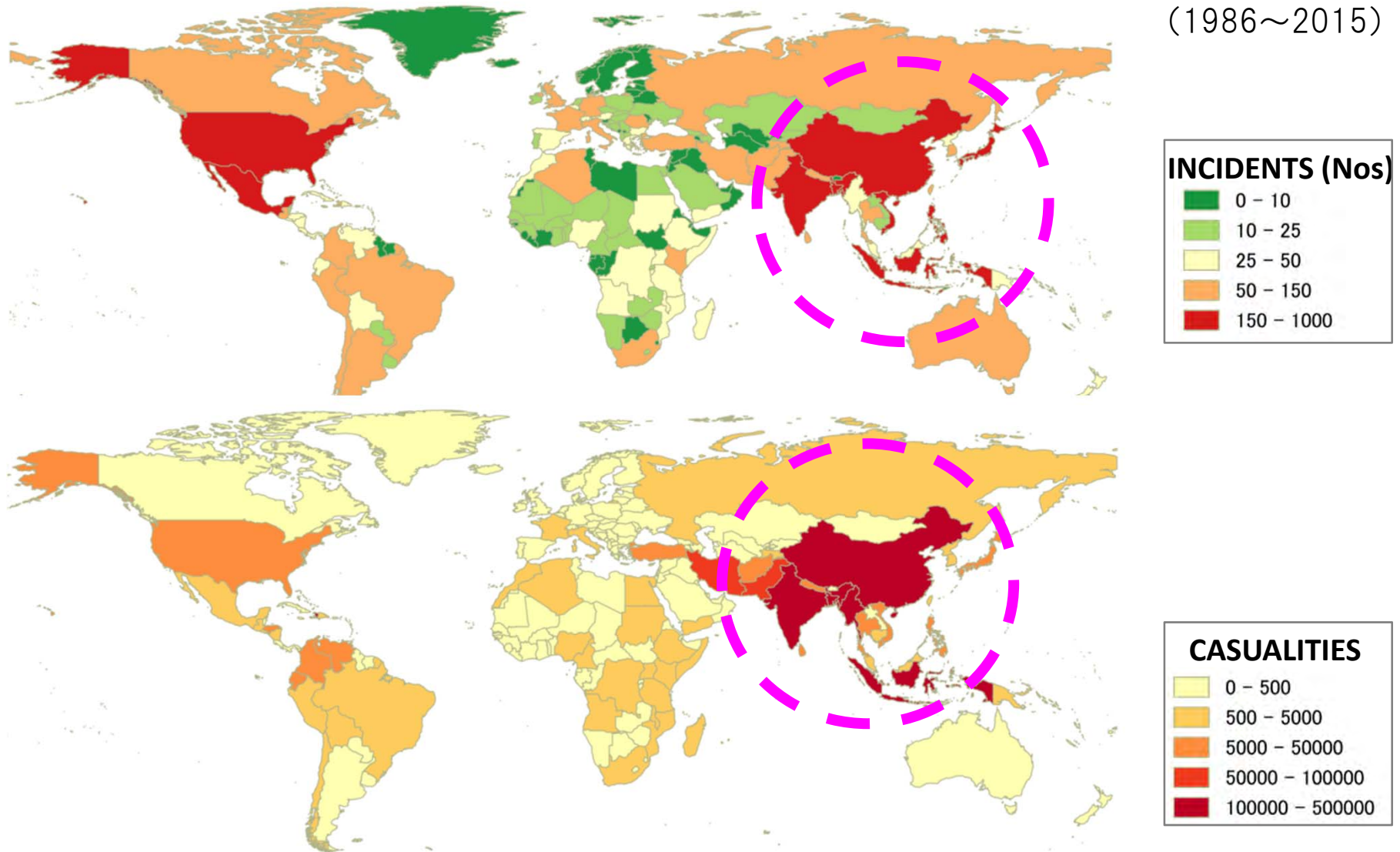


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# JICA focuses on reducing risks in the most vulnerable regions – measuring by frequency

(1986~2015)

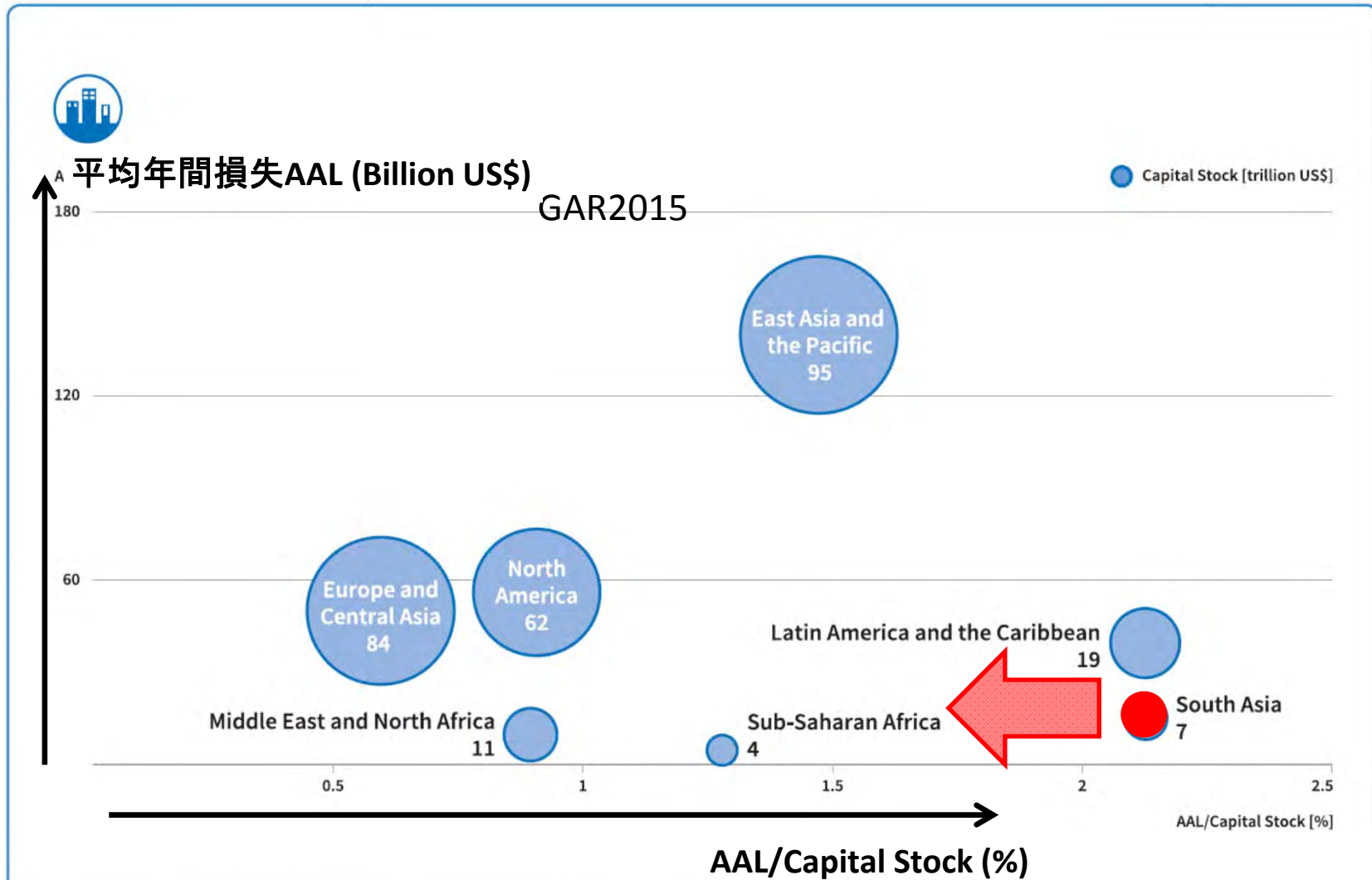


Map Created by JICA based on data from the disaster database EM-DAT by CRED  
([http://www.emdat.be/advanced\\_search/index.html](http://www.emdat.be/advanced_search/index.html))



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# South Asia needs pre-investment to DRR to protect its capital Stock and ensure development



AAL/Capital Stock (%)

社会資本のうち、災害によって失われている割合

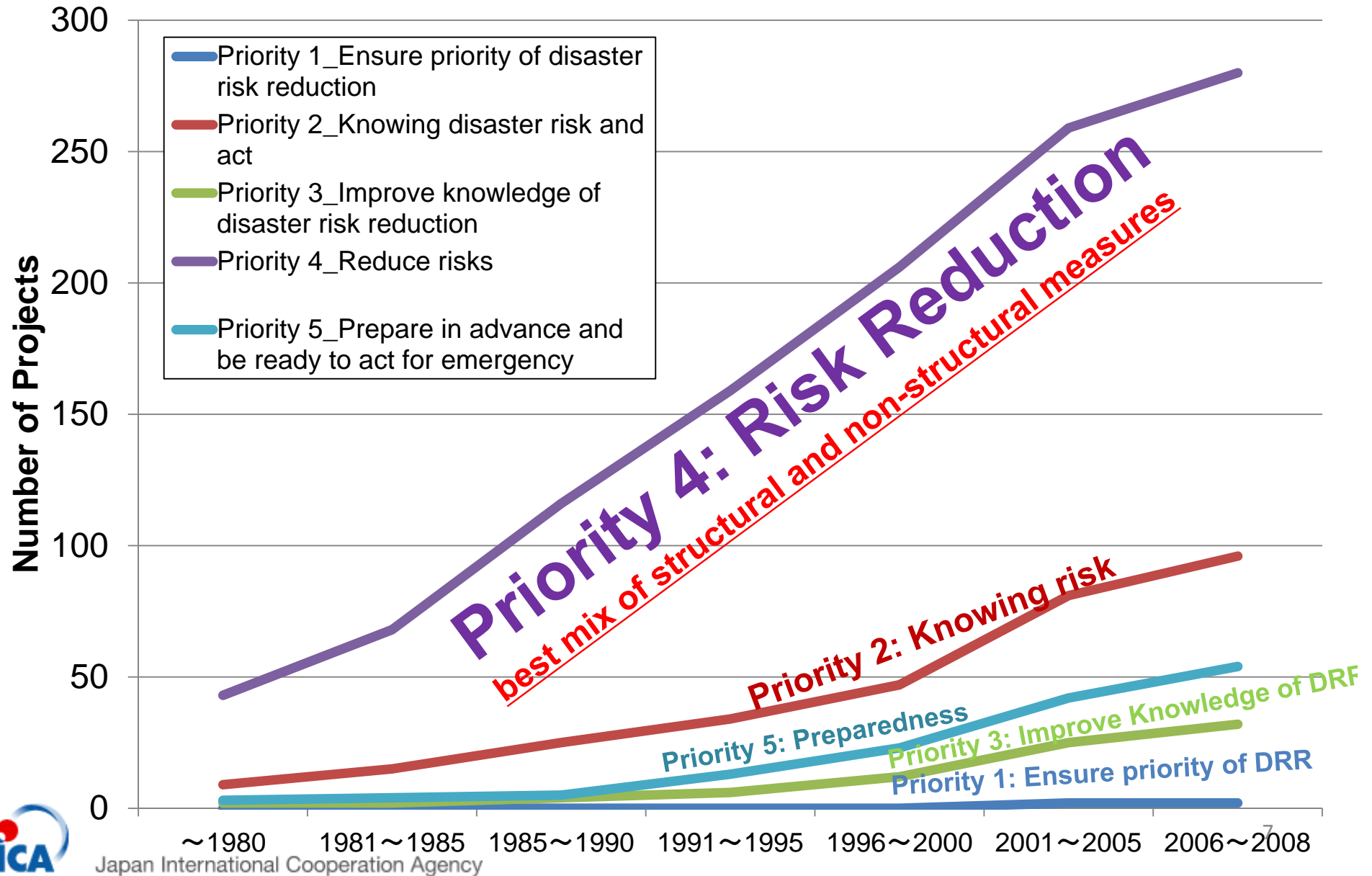
(Source: UNISDR with data from the Global Risk Assessment and the World Bank.)

Source: UNISDR Global Assessment Report 2015

[http://www.preventionweb.net/english/hyogo/gar/2015/en/home/GAR\\_2015/GAR\\_2015\\_1.html](http://www.preventionweb.net/english/hyogo/gar/2015/en/home/GAR_2015/GAR_2015_1.html)



# JICA's Activities meet the Priority Actions of HFA, especially focusing on Risk Reduction



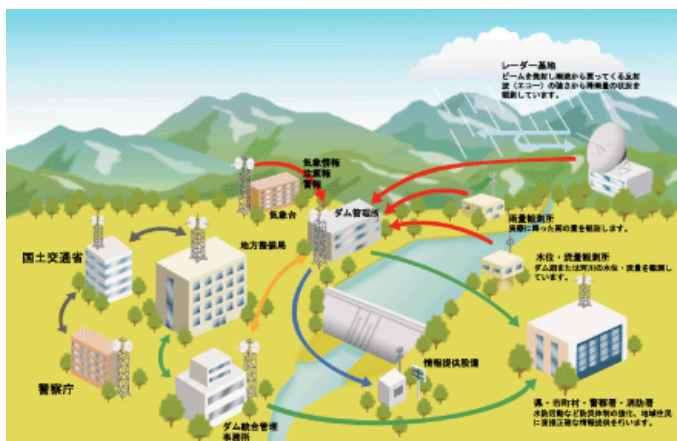
# DRR in Japan

## Various experiences

- Earthquakes
- Tsunamis
- Typhoons
- Volcanos

## Rich culture of DRR

## High and unique technologies



[http://www.cgr.mlit.go.jp/oitagawa/chiebukuro/search/bousai/No\\_052.html](http://www.cgr.mlit.go.jp/oitagawa/chiebukuro/search/bousai/No_052.html)

## Laws and regulations

- ◆ Disaster Countermeasure Basic Act
- ◆ Building Standards Act
- ◆ Central Disaster Prevention Council
- ◆ Cabinet Office
- ◆ Basic Plan for Emergency Preparedness

## Observation, forecast and alert

- ◆ Earthquake Early Warning
- ◆ Observation & monitoring for earthquake, tsunami and flood
- ◆ Central Disaster Radio
- ◆ Comprehensive Disaster Prevention Information System
- ◆ Flood Analysis System
- ◆ Rain Basin Flooding Model

## Infrastructure

- ◆ Countermeasure against floods
- ◆ Seismometer
- ◆ Tsunami meter
- ◆ Roads and Bridges
- ◆ Urban planning
- ◆ weather radar
- ◆ Anti-seismic device
- ◆ Devices for prevention of bridge collapses

## DRR Culture

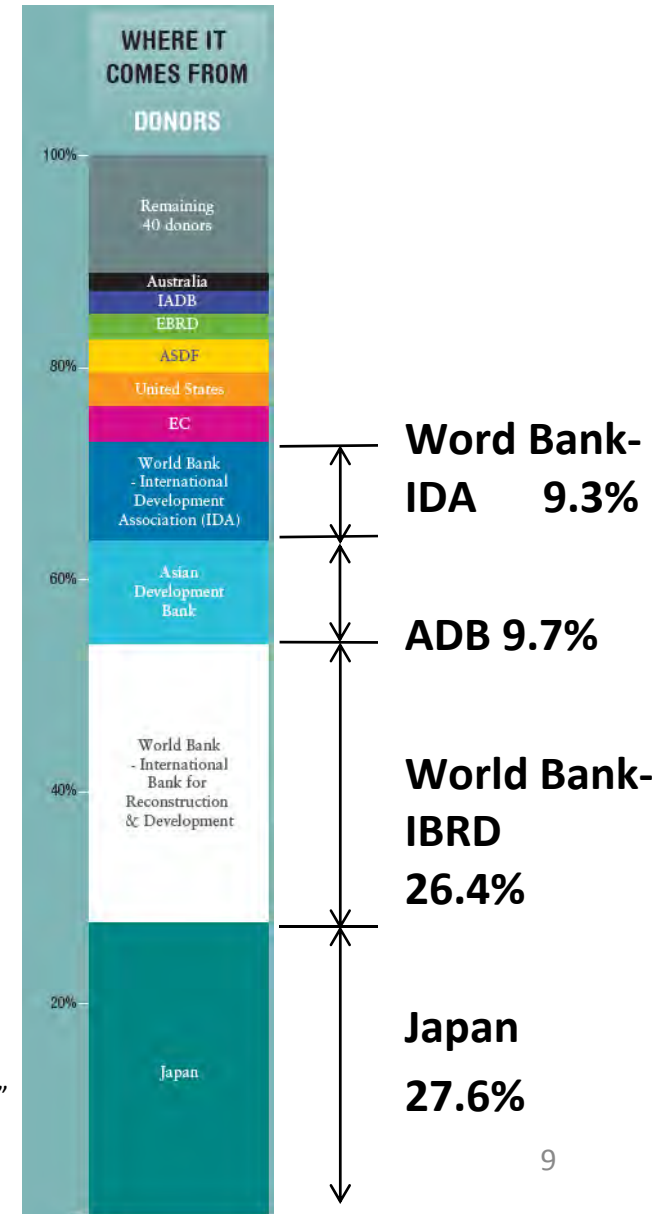
- ◆ DRR in communities
- ◆ First-aid skills in disasters



# Donor financing to the DRR Sector

- Donor financing is heavily concentrated with Japan and the World Bank accounting for more than 50% of the total.
- Sendai Initiative of Japan committed 4 billion US \$, training of 40,000 DRR officials, within 4 years from 2015 to 2018

Source: ODI and GFDRR, "Financing Disaster Risk Reduction - A 20 year story of international aid" (<https://www.odi.org/sites/odi.org.uk/files/odi-assets/publications-opinion-files/8574.pdf>)



Thank you for your attention!



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