

# **JICA's International DRR Cooperation**

## **~Mainstreaming DRR turning into "Embedded Culture"~**

**Japan International Cooperation Agency (JICA)**  
**Kansai Center**

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# I . About JICA

## Mission

JICA, in accordance with the Development Cooperation Charter, will work on human security and quality growth.

## Vision

*“Leading the world with trust”*

## Action

1. Commitment: Commit ourselves with pride and passion to achieving our mission and vision.
2. Gemba: Dive into the field ("gemba") and work together with the people.
3. Strategy: Think and act strategically with broad and long-term perspectives
4. Co-creation: Bring together diverse wisdom and resources.
5. Innovation: Innovate to bring about unprecedented impacts.

# Outline of Organization



Overseas Offices

**96**



Domestic Offices

**15**



Staff Members

**1,955**



Developing countries  
and regions that  
received assistance

**139**

※Overseas Offices, Domestic Offices and Staff Members (including Board Members): as of July 1, 2022  
※Developing countries and regions :during FY2021

# JICA's Operations and Achievements

By combining below schemes, JICA provides cooperation which meets diverse needs of developing countries.

- **Technical Cooperation**

- Finance and Investment Cooperation (ODA Loans)

- Grants

- Dispatching Experts

- Citizen Participation

- Supporting Emigrants /Japanese Descendants

- Emergency Disaster Relief

- Research

- Public-Private Partnerships

# Building people-to-people relationships as the foundation of "trust"

JICA dispatches experts and overseas volunteers to developing countries, and in return welcomes government officials and specialists as training participants and overseas students. People-to-people connections established through human resource development are the foundations of "trust" between developing countries and Japan.

## Accepted

Training participants and students  
(Accumulated total  
more than approx.0.7mil.people)

**24,722** people  
(FY2021)

※ 5,861people (FY2020)  
※ 13,217people (FY2019)

## Dispatched

Japanese experts and JICA volunteers  
(Accumulated total  
more than approx. 0.25mil. People)

**4,017** people  
(FY2021)

※ 563people (FY2020)  
※ 9,162people (FY2019)

# JICA's Mission (Human Security)

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## ◆What is Human Security ? :

Human security represents the idea that all individuals are entitled to freedom from “fear” and “want”, and **to live in dignity**, and the global community and each country must prioritize building a world that secures these essential rights.

## ◆The background of information of human security :

- 1993: The concept of “human security” which is focused on individual security was introduced in the UNDP Report.
- 1999: The “Trust Fund for Human Security” in the UN was established by Japanese Government’s leadership.
- 2001: The “Commission on Human Security” was established co-chaired by Mrs. Sadako Ogata, former JICA President.
- 2005: The importance of “human security” was referred in the Summit Outcome of the General Assembly.

# JICA's Mission (Quality Growth)

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## ◆ What is Quality Growth? :

The concept which aims to realize the growth with “inclusiveness” and “sustainability” with “resilience”, not merely quantitative economic growth.

- **Inclusiveness** : The fruit of growth distributed to the entire society.
- **Sustainability** : The harmony with environment, sustainable development of economy and society.
- **Resilience** : To be resilient or capable in recovering from economic crisis, natural disasters and etc.

## II. JICA's DRR Cooperation and Mainstreaming DRR

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- Mainstreaming DRR promoted by JICA -

**Mainstreaming DRR is . . .**

**for governments to set DRR as  
priority in policy making**

**to implement DRR aspects in all  
development policy planning**

**to increase **prior** DRR investment**



## Example of Mainstreaming DRR : Thailand, The Construction of Blue Line Subway in Bangkok



Built higher than  
Sidewalk as a  
counter measure for  
floods

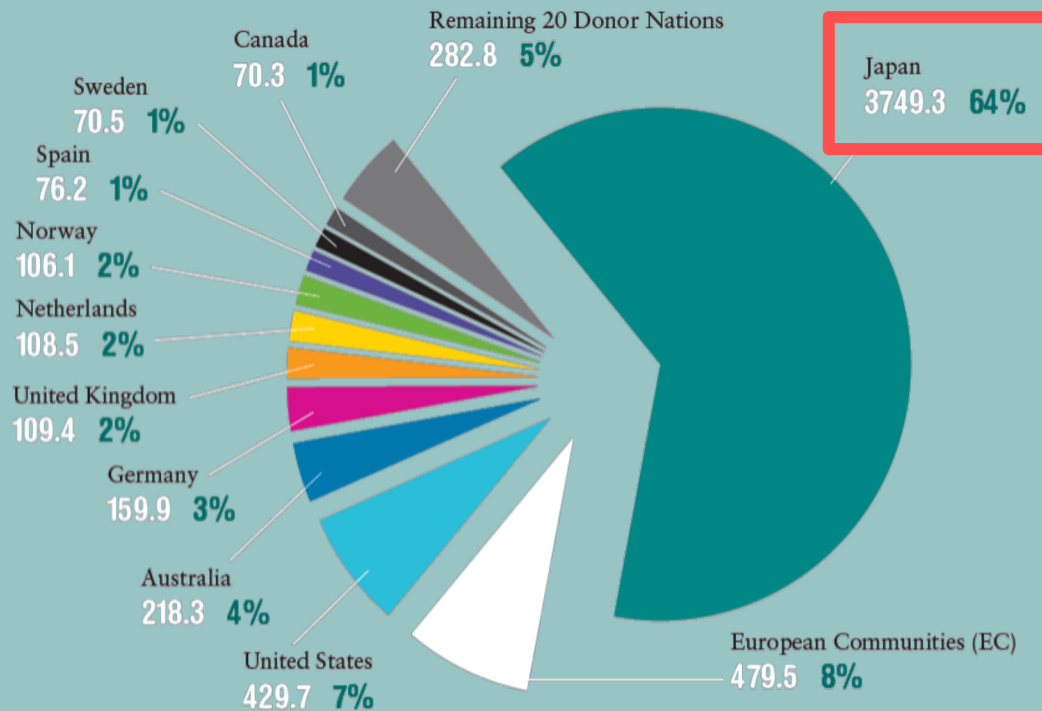
## Example of Mainstreaming DRR :

Philippines, Typhoon-Resistant Hospital- Improvement of Aurora Memorial Hospital



# Japan's DRR Contribution -Bilateral DRR Cooperation-

Financing for DRR direct from donors, 1991-2010, \$millions



Comparing with multi-donors, more than 50% of entire support is provided by WB and Japan



Japan had provided significant amount of fund by direct support in DRR field.



# JICA's Global Agenda No.20

## DRR through Pre-disaster Investment and Build Back Better

①



Realizing pre-disaster investment for capital concentration centers, especially in mega cities

To focus the resources on structural measures which decrease victims and economic losses with certainty in capital concentration centers especially in mega cities.

②



Establishment of DRR institutions for understanding disaster risk and strengthening disaster

To secure human resources who are capable to formulate DRR strategies/plans, and operate/maintain DRR investment/measures, and establish DRR promoting body with sufficient operating budget and authority.

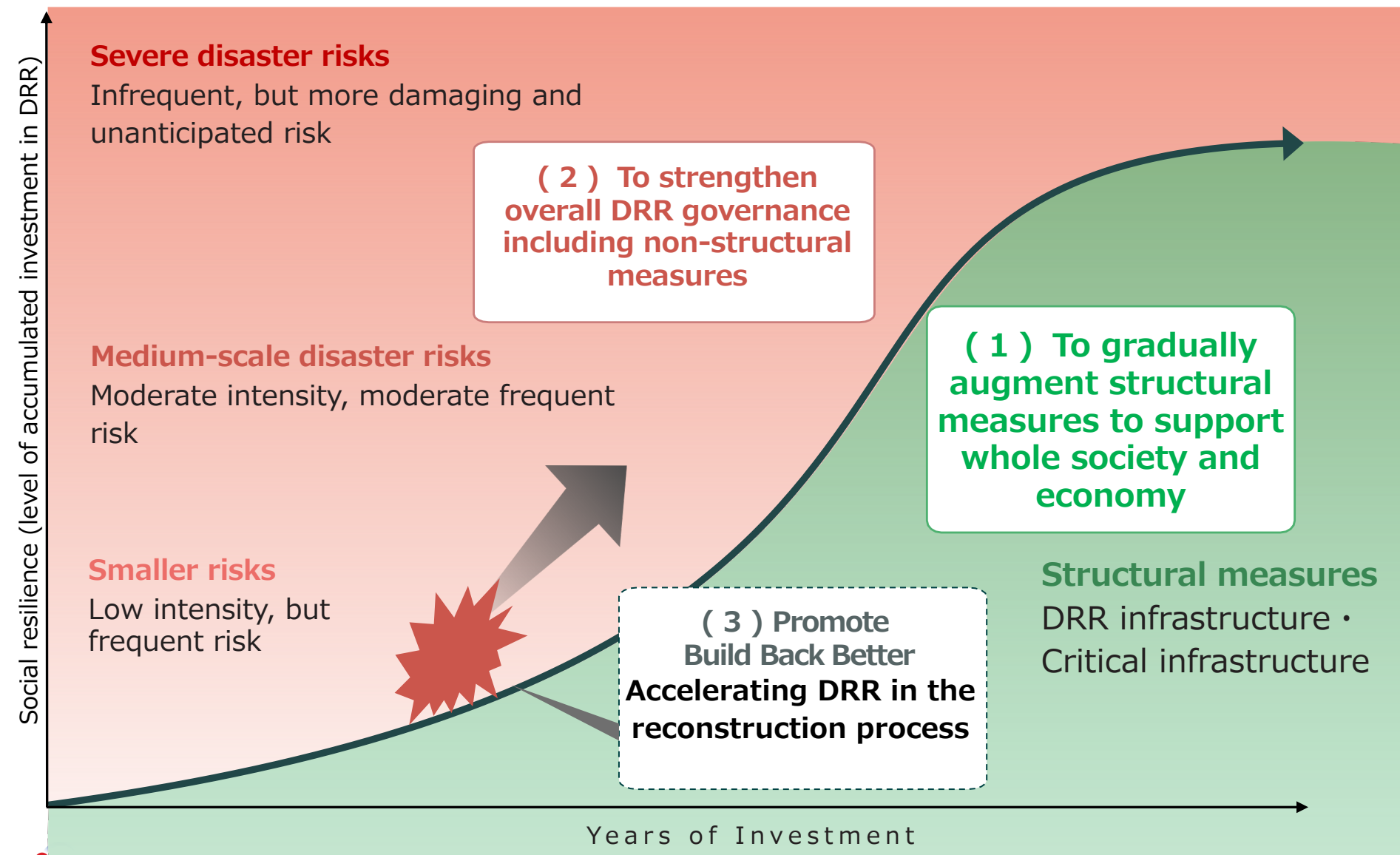
③



Promoting Build Back Better

To realize fundamental DRR in the post-disaster recovery and reconstruction, and aim to support which leads to the new cycle of building resilient nation/region.

# JICA's Global Agenda No.20



# Cluster(1) "Realizing pre-disaster investment for capital concentration centers, especially in mega cities"

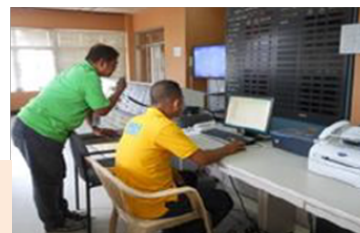
The best practice of acceleration of disaster investment for capital concentration center supported by JICA

## Philippines: Supporting flood management in Metro Manila

Improvement of Camanava Area flood control/improvement of drainage system (restoration of levee, development of flood gate /passage (completed in 2012)



Entire Metro Manila  
The improvement of drainage in Central Metropolitan Area  
(Construction of pump station, improvement of drainage channel)  
(~1983)



Construction and improvement of flood forecasting system  
(Completed in 1993)

Construction of Rosario Weir  
(Completed in 1988)

Construction of Manggahan Floodway  
(Completed in 1988)



Metro Manila West Mangahan Area Flood Control Project (The construction of lakeside embankment, drainage facilities)  
(Completed in 2007)

# Cluster(2)“Understanding disaster risks and establishing DRR promoting system for risk management”

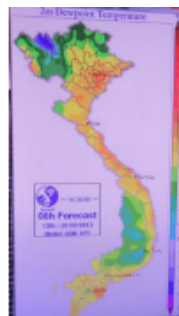
## Vietnam- Supporting National Hydro-Meteorological Service

### 1. Understanding disaster risks



The granted radar and data analysis training by Specialists from Meteorological Agency

### 2. Capacity building in Meteorological Bureau



Examples of temperature forecast support product and accuracy evaluation

### 3. Optimization of observation/maintenance system



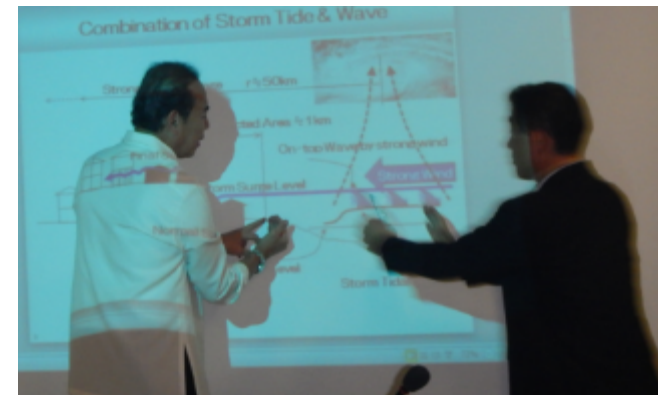
Maintenance OJT of rain gauge and compiled manuals

# Cluster(3) "Promoting Build Back Better"

## Philippines: Recovery Assistance for Typhoon Yolanda



JICA proposed to implement BBB principle in the Recovery Plan built by the Government of Philippines.



Providing technical advice to Department of Public Works



Official announcement of the Recovery Policy of the Government of Philippines by President Aquino (at that time)



Sharing recovery process of the Great East Japan Earthquake by Japanese Specialist



# Cluster(3)“Promoting Build Back Better”

## Nepal Earthquake (2015)



Reconstruction of school buildings

### Emergency Temporary Houses

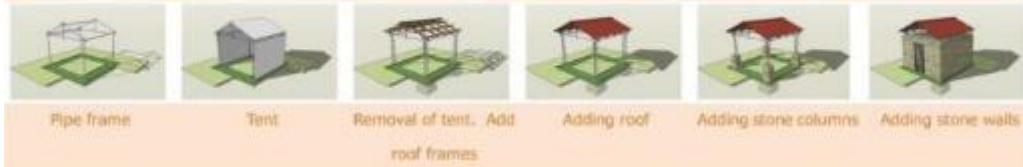


Additional Construction

Same Location  
Using same structure

Adding stone masonry  
Adding wire mesh  
Adding mortar

### Permanent Restoration Houses



Reconstruction of housings

## Sumatra Earthquake(2004)

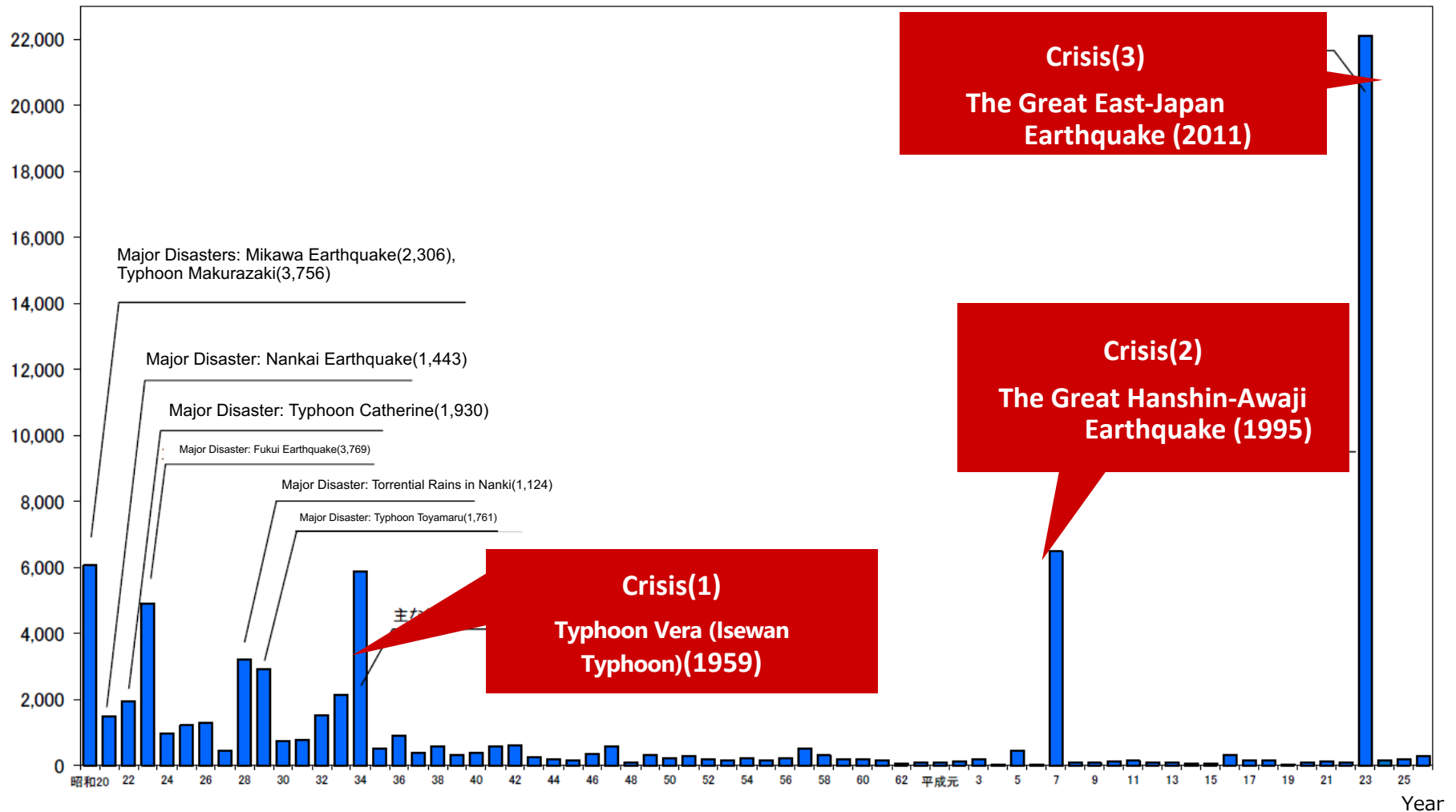


Residents reconstructing their houses

# Japanese DRR System(1)

## The Number of Deaths and Missing Persons in Disasters in Japan

Number of  
People



# Japanese DRR System(2)

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- 3 major crisis resulted in formulating new systems

## 1. Typhoon Vera (Isewan Typhoon) (1959)

▶ Enactment of Disaster Countermeasures Basic Act

## 2. The Great Hanshin-Awaji Earthquake(1995)

▶ Promoting seismic retrofitting

▶ Recognizing the importance of self-help and mutual-help

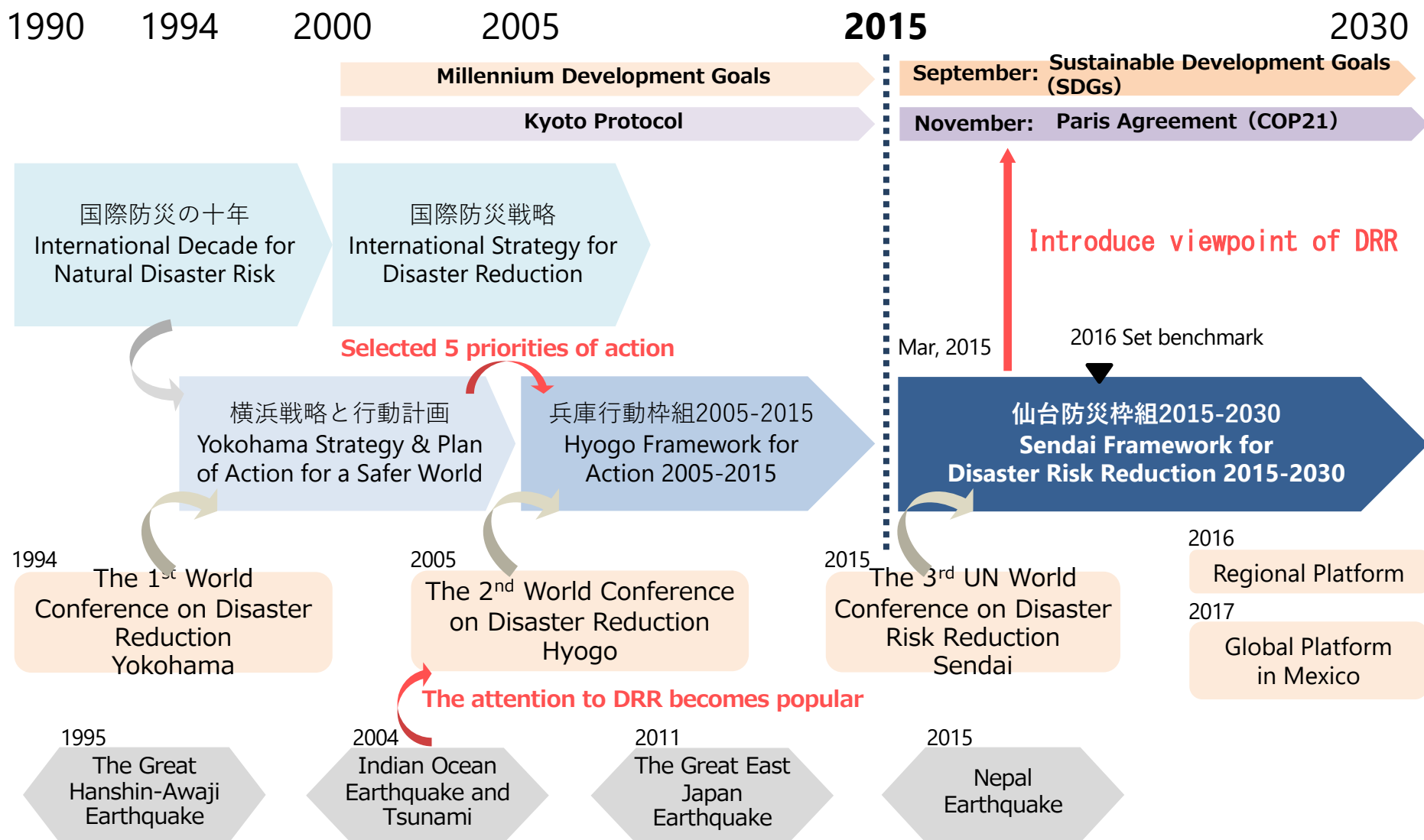
## 3. The Great East Japan Earthquake(2011)

▶ Revising the estimation of damage in mega disasters

▶ The “Disaster Risk Reduction” becomes basic principle

▶ Promoting regional DRR activities

# The Outline of International DRR Framework



# Co-working with Domestic/International Organizations



## International Development Cooperations



## Domestic Entities



Local Governments/Enterprises



Research Institutions • Universities

NGO • NPO

# Partnership : Cooperating with Hyogo Prefecture①

Establishment of **DRLC**

( Disaster Reduction Learning Center)

on April 1<sup>st</sup>, 2007

- by
- JICA  
→ Enhance DRR capacity building in developing countries
  - Hyogo Prefecture  
→ Disseminate experience and lessons learned from the Great Hanshin-Awaji Earthquake



**Partnership**

The 2<sup>nd</sup> World Conference on Disaster Reduction in 2005  
Adoption of Hyogo Framework for Action (2005-2015)



**Promote adoption of the lessons  
from the Great Hanshin-Awaji  
Earthquake worldwide through  
Training Programs**



# Partnership : Cooperating with Hyogo Prefecture②

## “Management of Disaster Medicine for Latin American Countries” Program

More than 200 participants engaged in disaster medicine in Latin American countries joined this program since 2003, when Hyogo Emergency Medical Center (HEMC) was established.



## “Comprehensive DRR Program” and other Programs

DRR officers from various countries visit Disaster Management Center of Hyogo Prefecture and deepen understanding of Hyogo’s DRR measures.

# III. Toward the Next 100 Years

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## 1. 2025 an Epochal Year: Disseminating Information through Global Channel

- (1) Expo 2025 Osaka, Kansai, Japan:  
Theme “Designing Future Society for  
Our Lives”**
- (2) 30 years after the Great Hanshin-Awaji  
Earthquake**
- (3) Tokyo International Conference on  
African Development (TICAD) 9 will be  
held in Japan**



# III. Toward the Next 100 Years

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## 2. Realizing a Truly Sustainable Society

~Mainstreaming DRR turning into "Embedded Culture"~

- (1) The Post-SDGs: beyond 2030
- (2) From “aid”, “assistance” to “mutual cooperation”/mutual learning
- (3) Further expansion of human resources (=intellectual property) (JICA volunteers, experts, international students, foreign visitors to Japan, etc.)

*If you want to go fast, go alone.  
If you want to go far, go together.*