

# Developing Disaster Risk Reduction Plan in Thailand

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# Outline

- **Introduction**
  - **Disaster Management System in Thailand**
  - **Disaster Risk Management Plan in Japan and Thailand**
  - **Key finding and Recommendations**
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# Introduction

- ▶ **Specific Aims**

To study the disaster risk management and disaster risk reduction plan of Japan.

- ▶ **Expected Results**

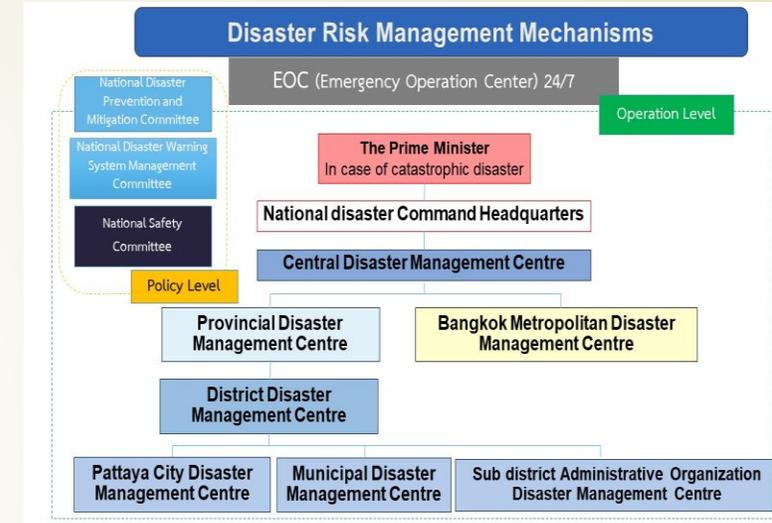
The expected results are the concept of development the Local Disaster Risk Reduction Plan to prepare people for survive from disaster.

- ▶ **Scope of study**

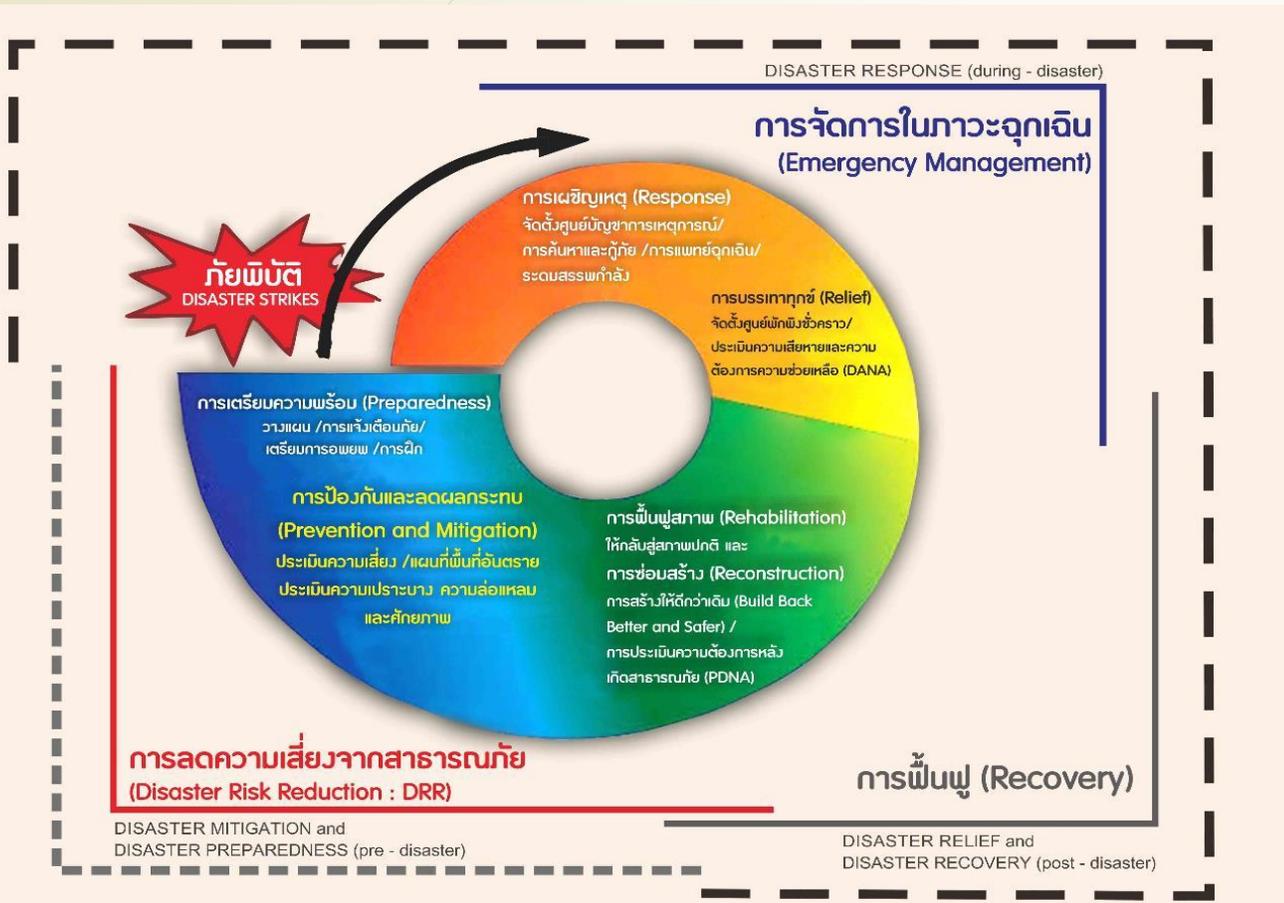
The research focus on the development the Local Disaster Risk Reduction Plan in Thailand to more practical, efficient, and effective by adapt knowledge and experience from Japan.

# Disaster Management System in Thailand

- Disaster Risk Management **Principles**
- Disaster Risk Management **Mechanisms**
- **Role and Function** for Collaborative DRM
- Disaster Risk Management Related **Laws and Regulations**



# Disaster Management System in Thailand



## Disaster Risk Management Principles

“It is a holistic disaster management and implement continual action, not separated into each process, namely prevention and mitigation, preparedness, response, relief, and recovery.”

# Disaster Risk Management Mechanisms

Policy Level

EOC (Emergency Operation Center) 24/7

Operation Level

National Disaster  
Prevention and Mitigation  
Committee

National Disaster Warning  
System Management  
Committee

National Safety  
Committee

**The Prime Minister**  
In case of catastrophic disaster

**National disaster Command Headquarters**

**Central Disaster Management Centre**

**Provincial Disaster  
Management Centre**

**Bangkok Metropolitan Disaster  
Management Centre**

**District Disaster  
Management Centre**

**Pattaya City Disaster  
Management Centre**

**Municipal Disaster  
Management Centre**

**Sub district Administrative Organization  
Disaster Management Centre**

# Disaster Risk Management Related **Laws and Regulations**



Sendai Framework  
for Disaster Risk  
Reduction 2015 - 2030



Sustainable  
Development Goals



Disaster Prevention  
and Mitigation Act,  
B.E. 2550 (2007)



Paris Agreement



National Strategy  
2018 - 2037



The National Economic and  
Social Development Plan



**National Disaster Risk Management Plan 2021 - 2027**

# Role and Function for Collaborative DRM

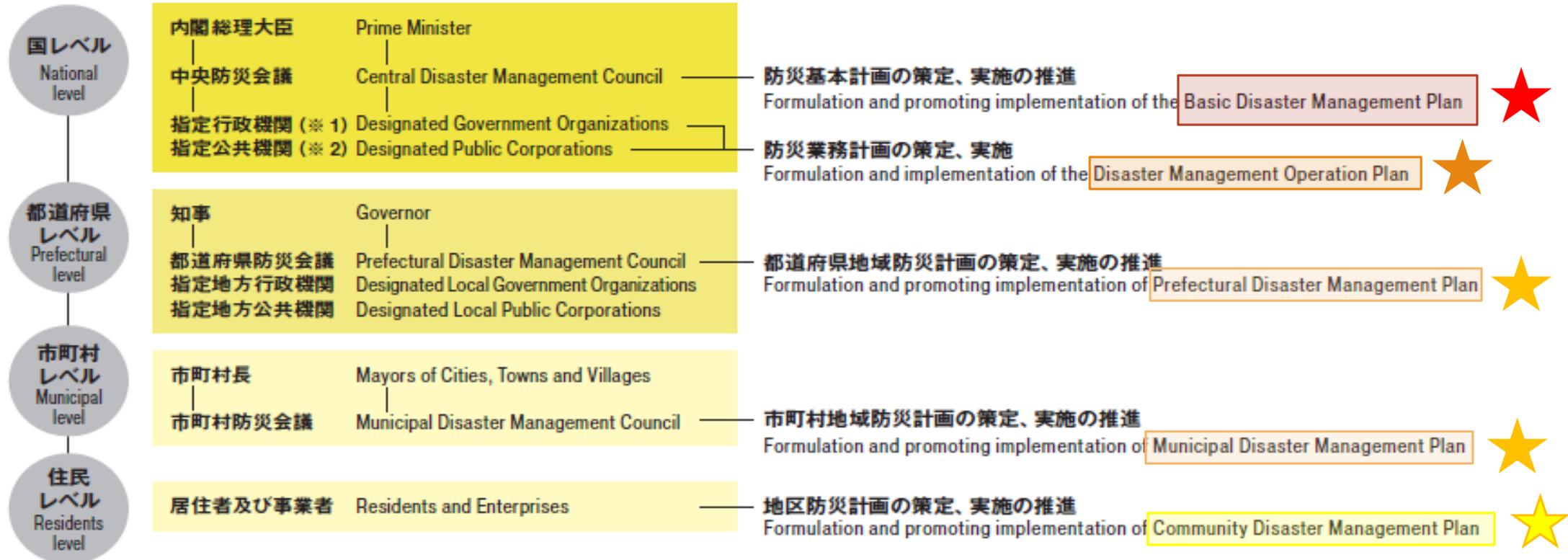


The agencies of the ministries and the relevant primary agencies have been assigned specific roles and responsibilities relating to DRM

**DDPM** as the lead agency at the central level designed to deal with whole spectrum of DRM activities

# Disaster Risk Management Plan in Japan

## 防災体制の概要 Outline of the Disaster Management System



※1 指定行政機関 Designated Government Organizations 24の国の行政機関が指定されています。 24 ministries and agencies are designated

※2 指定公共機関 Designated Public Corporations 独立行政法人の一部、日本銀行、日本赤十字社、NHKなどの公共的機関や電力会社、ガス会社、NTTなど公益的事業を営む法人100機関が指定されています。 66 organizations including independent administrative agencies, Bank of Japan, Japanese Red Cross Society, NHK, electric and gas companies and NTT are designated.

# Disaster Risk Management Plan in Japan

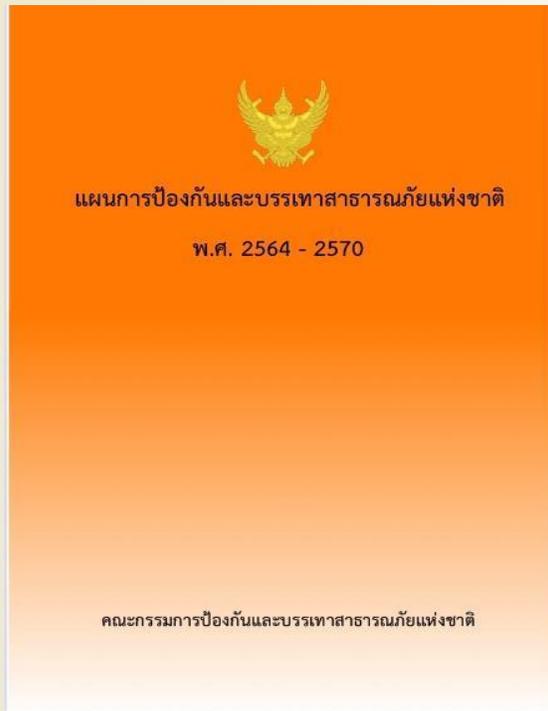
## Hyogo Prefecture Regional Disaster Management Plan

**Purpose** - to promote comprehensive and systematic disaster management and to protect the lives, bodies and property of the citizens from disaster.

### The concepts

- 1) To promote disaster mitigation measures.
- 2) To promote DRR through the combined efforts of self-help, mutual aid and public assistance.
- 3) To establish a new disaster culture which is passing on the experiences of damage and recovery and reconstruction from past disaster
- 4) To promote DRR by the collaboration across stakeholder.

# Disaster Risk Management Plan in Thailand



**National Disaster Risk Management Plan  
2021 - 2027**

**Provincial Disaster Risk Management Plan**

**Bangkok Metropolitan Disaster Risk  
Management Plan**

**District Disaster Risk Management Plan**

**Pattaya City/ City Municipality/  
Town Municipality/  
Subdistrict Municipality Disaster Risk  
Management Action Plan**

# Disaster Risk Management Plan in Thailand

## Provincial Disaster Risk Management Plans

**Policy** : Same with the National DRM Plan

**Vision, Duty, Purpose, and Goal** : Provinces stipulate by themselves and relevant with the National DRM Plan

### The structure of Provincial Disaster Risk Management Plan

Chapter 1 - General principle

Chapter 2 – Disaster Situation and Trend in the province

Chapter 3 – Disaster Risk Reduction measure

Chapter 4 – Preparedness

Chapter 5 – Emergency Management

Chapter 6 – Disaster Recovery

Chapter 7 – Implementation

# Key finding and Recommendations

## Challenges for developing Local DRR Plan in Thailand

- ▶ Knowledge & Understanding on DRR
- ▶ Do not have guideline on how to do the Local DRR Plan
- ▶ The different of National DRR Plan and Local DRR Plan.
- ▶ Local Staffs get the outline of local DRR plan.
- ▶ Stakeholders' knowledge is difference that might rely on their main responsibility task.

# The 8 steps for Local DRR Plan

**1. Collecting local hazard information**

**2. Understanding local disaster risks**

**3. Confirming DRR plans by national and other authorities**

**4. Identifying residual risks considering time-scale**

**5. Listing all necessary DRR measures by local government**

**6. Prioritizing DRR measures**

**7. Arranging budget allocation in necessary level**

**8. Implementing DRR measures and reviewing periodically**

# Learn from Japan experience

## Ohkouzu watershed and diversion channel



# Learn from Japan experience

## Ohkouzu watershed and diversion channel



# Learn from Japan experience

## Ohkouzu watershed and diversion channel





# Developing Disaster Risk Reduction Plan in Thailand

- To study on the Basic DM Plan and Local DRM Plan of Japan and adapt to DRM Plan in Thailand
  - To adapt 8 steps for DRR Plan
  - To learn from Japanese experience on facing disaster
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