



# Water Management Policy in Thailand

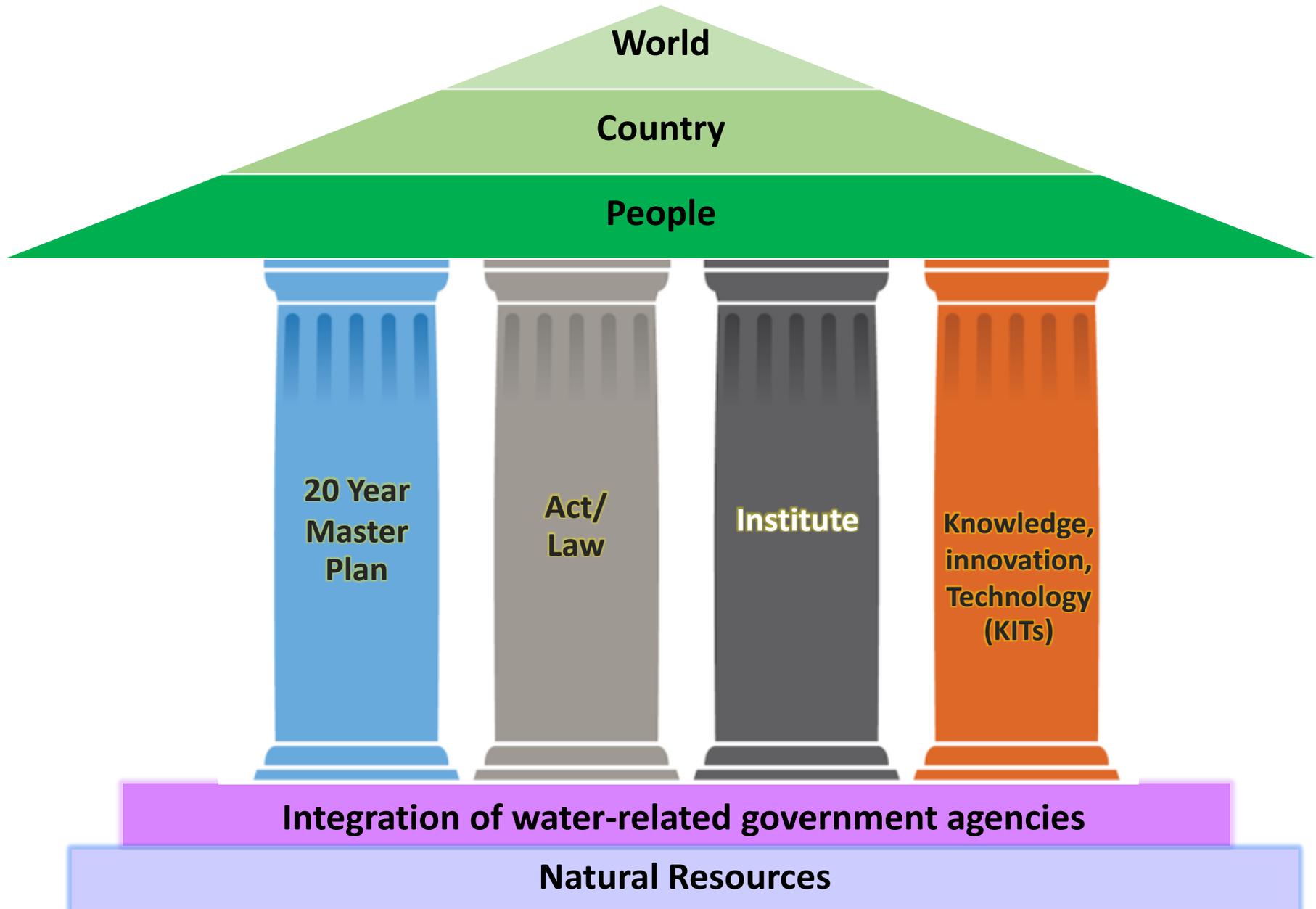
*Office of the National Water Resources,  
Office of the Prime Minister*

[www.onwr.go.th](http://www.onwr.go.th)

**'as water is the national security'**



# The Four Pillars: Concept for Management



# The 20 Year Water Resources Master Plan

## 1 20 Year National Strategy : goals



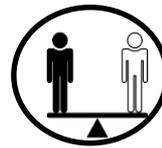
Security



Competitiveness



Capacity development



Equality and Equity



Environmental friendly



Management and Government

## 2 Master plan (under the National Strategy) Issue 19: Water Resources Management



23 Issues



- 19.1 Watershed-based management for **water security**
- 19.2 Increase **water productivity and value** to reach international standard
- 19.3 **Conservation and restoration natural water courses** nationwide

## 3 20 Year Water Resources Master Plan: to support the Master Plan Issue 19



Domestic use



Water security for production sector



Flood management



Water quality and conservation



Upstream forest restoration



Management



## Domestic Use

- 1
- Provide clean water for all villages, cities, tourist hotspot and economic zone
  - Provide sufficient water for water-scarcity area
  - Provide clean drinking water at the reasonable price



2

## Water for production (Agri + Ind)

- Develop water storage and delivery system
- Develop alternative water sources
- Rain harvesting
- Increase water use efficiency

3



## Flood management

- Improve drainage capacity
- Integrated land use planning: waterways schematics vs. land use map
- Prevention of city/ community logging flood
- Building resilience in risk area

4



## Water quality and conservation

- Prevent and reduce point source
- Construct community wastewater treatment plant
- Reuse and recycle
- Allocate sufficient water for ecosystem services
- Natural watercourse restoration and renovation

5



## Watershed conservation

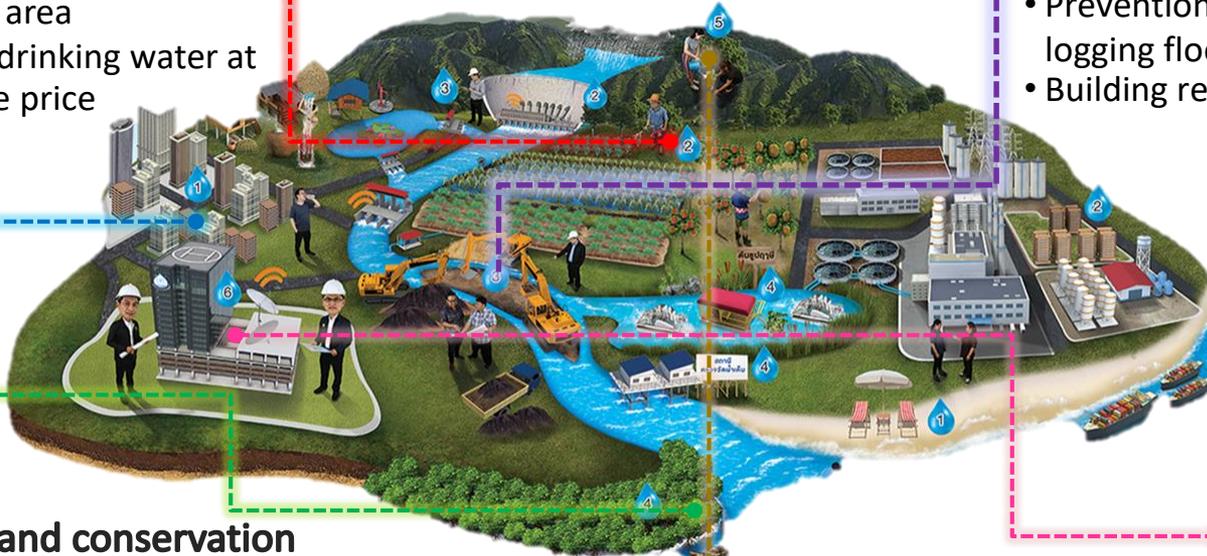
- Upstream forest restoration
- Prevent soil erosion in highly steep agricultural area

6



## Management

- Institute, Laws
- International cooperation and finance
- Data and Monitoring system
- Participation approach
- R&D, KITs





# National Water Resources Committee (NWRC)



Appointed Deputy  
Prime Minister:  
*Vice Chairman*

**NWRC**



Prime Minister:  
*Chairman*



Secretary General of ONWR:  
*Secretariat Office*

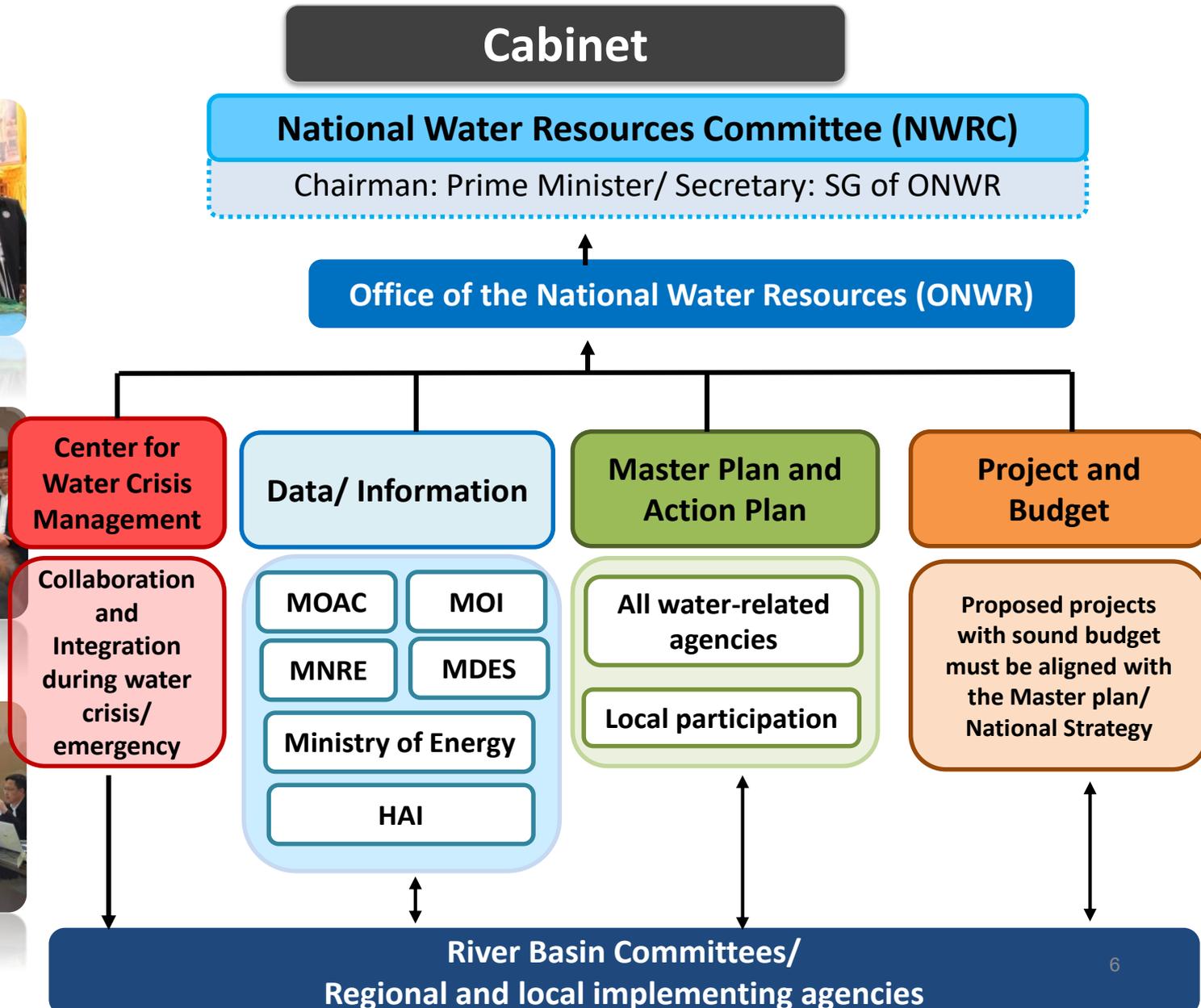


## Implementing agencies





# Institutional Framework for Water Resources Management



# What are new?



## Definition of Water Resources

### Water Management

- ✓ Water allocation criteria
- ✓ Water use category



### River Basin Planning

#### Waterways Plan (Schematic)



### River Basin Identification

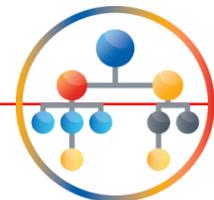
The **Prime Minister, Minister of MOAC, Minister of MNRE and Minister of MOI** shall have responsibility and control for the execution of this Act, and shall have the authority to appoint an officer and issue a Ministerial Rule for the purpose of the execution of this Act

## Institutional Framework

- ✓ National Water Resources Committee
- ✓ River Basin and River Basin Committee
- ✓ Water User Association



## Special National Command Centre for Water Crisis







## 12 universities

Obj: innovative R&D and academic development in all fields, including engineering and science, social sciences, humanity and management.



## Office of Natural Resources and Environmental Policy

Obj: Integration of water resources management and Climate Change



## Thailand Research Fund

Obj: Direction for the water-related research in Thailand



# Hub of International Water Corporation



## Bilateral

### America

USA

### Asia-Oceania

Australia

China

Israel

Japan

Korea

### Europe

France

Germany

Hungary

Netherlands



## Multilateral

ACMECS

LMC

LMI

MRC



## Organisation/ MDB

ASEAN

Asia Water Council

UN (FAO, UNDP,  
UNEP, UNESCO,  
UNFCCC, WHO etc.)

World Bank

# The Power of Partnership





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