

Multilevel Water Governance: lessons learned from Thailand

Dr. Piyatida Ruangrassamee and Assoc. Prof. Sucharit Koontanakulvong Department of Water Resources Engineering, Chulalongkorn University, Bangkok, Thailand Piyatida.H@chula.ac.th

> Asia Focus: Strengthening Governance to address Asia's Water Challenges 28 August 2019, Stockholm, SIWI World Water Week



Mainstreaming water security strategy into National Water Strategy by implementing AWDO framework, water productivity & water governance

Towards better water governance with coherence of multilevel water governance

1st level: National strategy 20 years (2018-2037)

Office of the National Economic and Social Development (NESDB)





and develops its economy and society of the future to

promote regional connectivity in terms of transport and

• The country has all of the necessary capital for continuous

development including human capital, intellectual capital,

logistics, production, trading, and investment.

financial capital, and so forth.

- Production and consumption are conducted on an environmentally-friendly basis and in line with regulations recognized by the global community.
- People embrace social responsibility with a focus on sustainable public interest. All sectors uphold and follow the Sufficiency Economy Philosophy.

security.

life and property.

• People live in harmony and unity. Their lives are secured in

The country has food, energy, and water resources

terms of occupations, income, housing, as well as safety of

2nd level: Master plans under national strategy (2018-2037)





23 master plans

- 1. Security
- 2. Foreign issue
- 3. Agriculture
- 4. Manufacturing
- 5. Tourism
- 6. City
- 7. Logistic and digital
- 8. Business
- 9. Sufficiency economy
- 10. Culture
- 11. Lifelong learning
- 12. Education
- 13. Mental issue
- 14. Sport
- 15. Social power
- 16. Local business
- 17. Social welfare
- 18. Sustainable development

19. Water management

- 20. Government
- 21. Corruption issue
- 22. Laws
- 23. Innovation

3rd level: Master plan on water resources management 20 years (2018-2037) Office of the National Water Resources

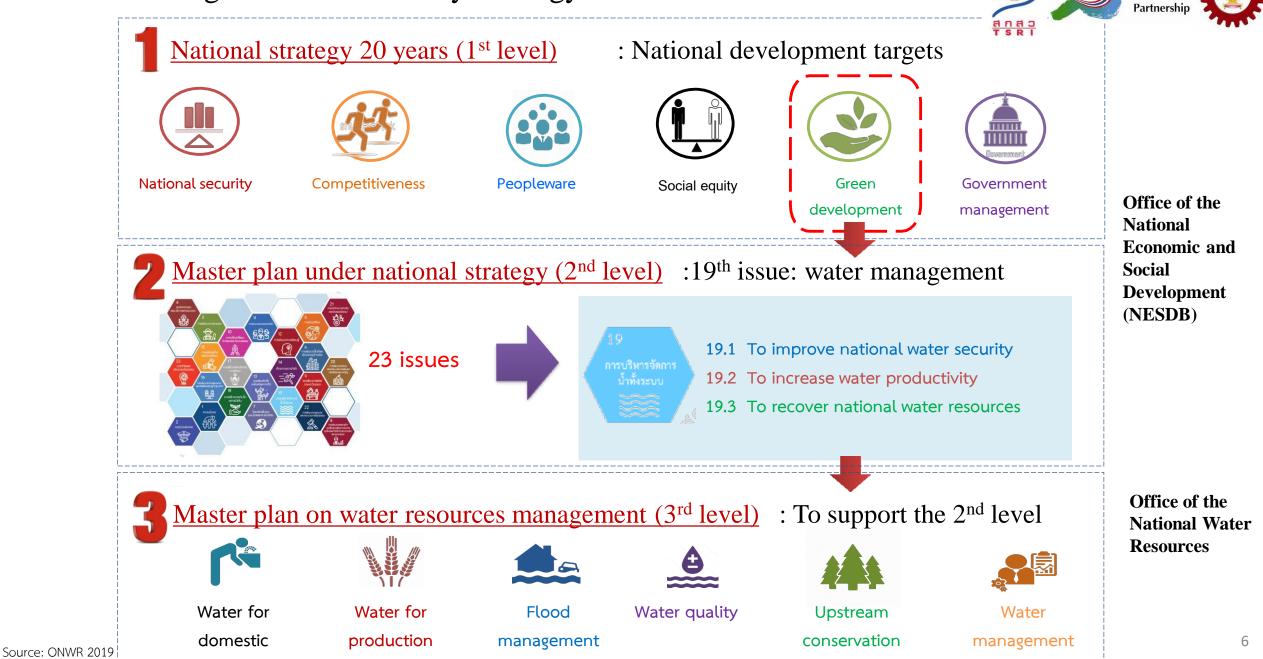


6 water issues

- 1. Water for domestic
- 2. Water for production
- 3. Flood management
- 4. Water quality
- 5. Upstream conservation: forest
- 6. Water management

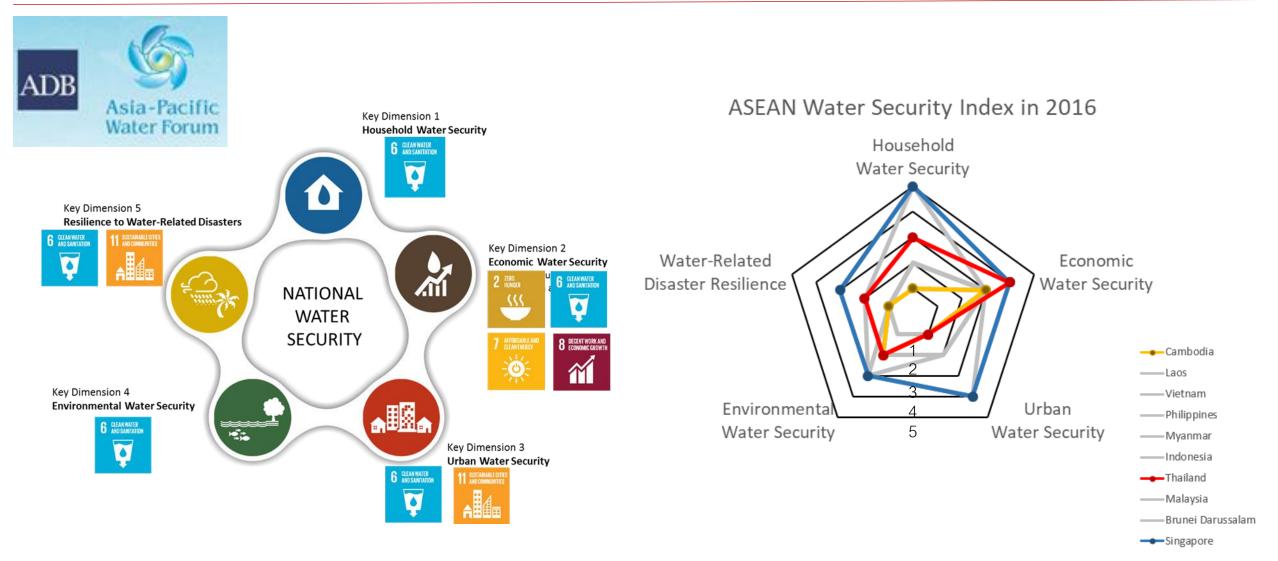


Linkage of Water Security Strategy in Thailand Master Plans



Thai Water

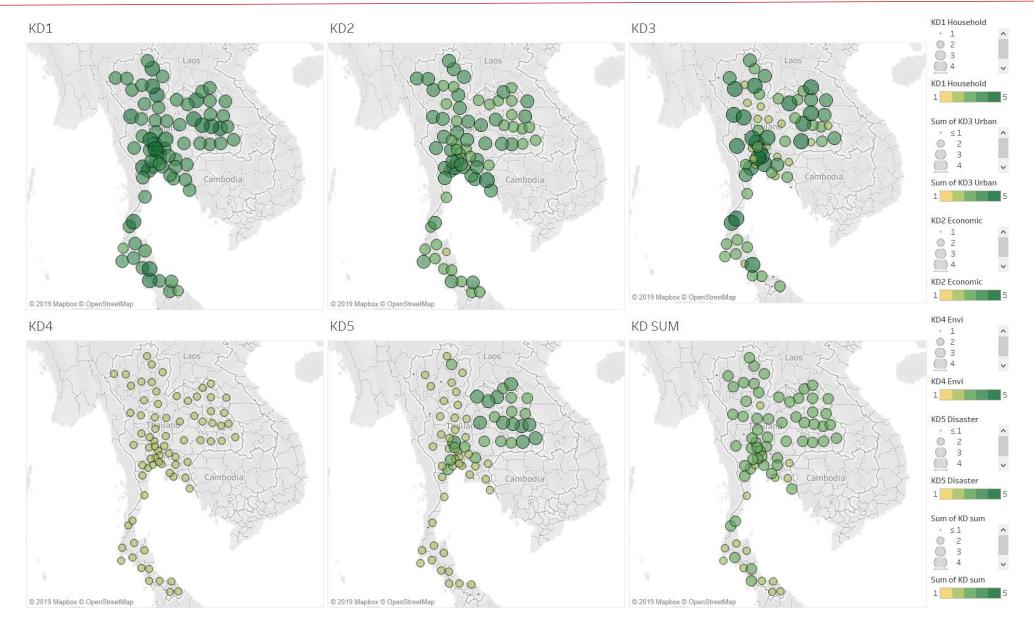




Adapting AWDO 2016 Framework for Provincial Water Security Assessment



Ruangrassamee et al. (2019)



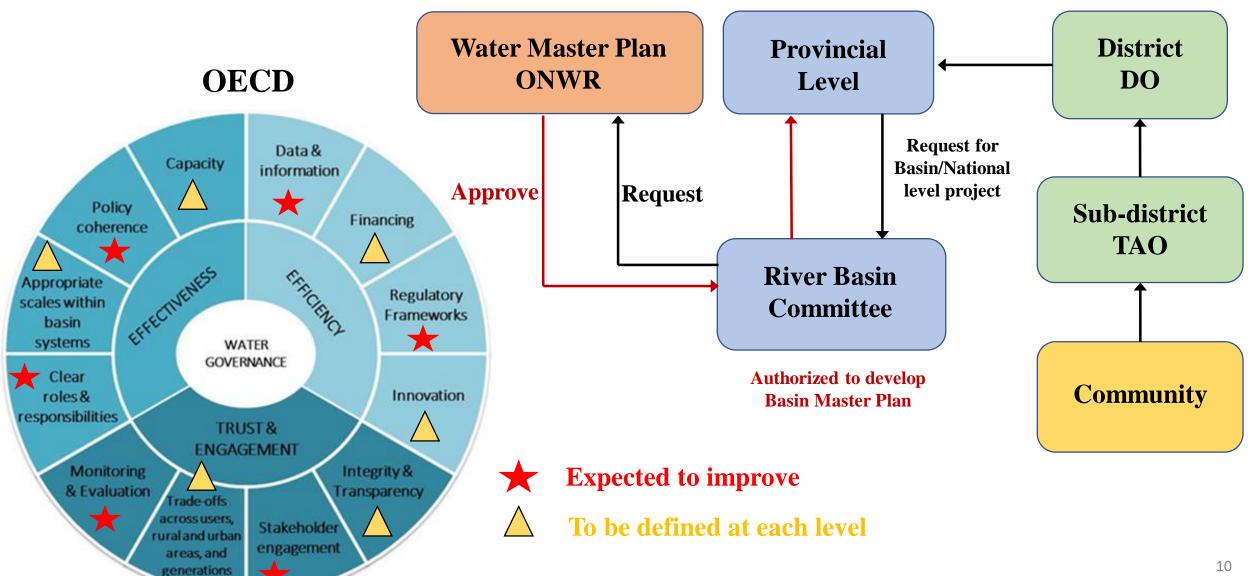
Institutional Development



The National Water Resource Committee (NWRC) (2015) Office of the National Water Resources (ONWR) (October 2017)

Water Resources Law (2018)





Lessons Learned



Before Water Resources Law

- Each agencies had its own way of managing water, management, governance, and goals.
- There are some good practice cases at each
 level for water governance (e.g. community
 irrigation management in northern region,
 etc.)

After Water Resources Law

- The role, responsibilities, policy coherence, early warning system, regulatory framework, stakeholder participation, evaluation are to be improved, standardized and more proactive.
- Capacity building, appropriate scale, tradeoffs, transparency, financing, and innovation are to be **defined and aligned** at each level within the time limit.



- Office of the National Economic and Social Development (NESDB), National Strategy (2018-2037)
- Office of the National Water Resources (ONWR), Master Plan on Water Resources Management (2018-2037)
- Thailand Water Resources Law (2018)
- OECD (2015), **OECD Principles on Water Governance**
- Ruangrassamee et al. (2019), Research Project on "Analysis of water security, water productivity and water-related disaster for water resources master plan", supported by Thailand Science Research and Innovation (TSRI)