



# **A POLICY STUDY USING SELF-ASSESSMENT TOOLS TO ASSESS THAILAND'S READINESS AND TO STRENGTHEN NATIONAL NUCLEAR SECURITY REGIME**

**HARUETAI KASIWATTANAWUT (PH.D.)**

**T. TULARAK, A. RUEANNGOEN, V. TANJOY**

**OFFICE OF ATOMS FOR PEACE  
MINISTRY OF HIGHER EDUCATION, SCIENCE, RESEARCH AND INNOVATION  
THAILAND**

# INTRODUCTION



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- ✓ This policy study was conducted in 2018 led by the then Deputy Secretary-General of the Office of Atoms for Peace (OAP)
- ✓ OAP is the nuclear regulatory body in Thailand.
- ✓ This study objectives:
  - To consider approaches and measures appropriate for Thailand's current situation on nuclear security and;
  - To improve and implement the OAP nuclear security action plan.

# QUALITATIVE METHODOLOGY



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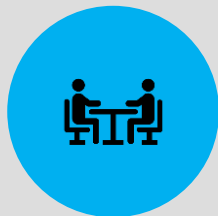
## Literature review

UNSCR (s), NPT, CPPNM,  
IAEA NSS 20, Public  
Policy Theory



## IAEA's self- assessment tools

INSSP and NUSIMS



## interviews with the key persons

Experts and Policymakers



## Action plans



# IAEA'S SELF-ASSESSMENT TOOLS



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## Integrated Nuclear Security Support Plan (INSSP)

Upon request to the IAEA with a set of questions;

- 1) Legislative and Regulatory Framework;
- 2) Threat and risk assessment;
- 3) Physical protection regime;
- 4) Detection of criminal and unauthorized acts involving material out of regulatory control;
- 5) Response to criminal and unauthorized acts including MORC;
- 6) Sustaining a nuclear security regime

## Nuclear Security Information Management System (NUSIMS)

web-based platform with Yes/No questions;

- 1) Nuclear fuel cycle facilities and nuclear material;
- 2) Radioactive material and associated facilities and activities;
- 3) Transport security;
- 4) Nuclear security detection architecture;
- 5) Response to nuclear security events;
- 6) Information and computer security

# CONCLUSIONS



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- ✓ The results showed many strengths as well as several downsides of Thailand's nuclear security regime.
- ✓ Specific policies were drawn from the results through six functional areas of the INSSP.
- ✓ OAP nuclear security roadmap (action plans) was created to enhance the regulation strategy and will be reflected in the national security policy.
- ✓ The results provided insightful and reliable information to support a project grant proposal related to national nuclear security.



**THANK YOU**

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