

# Confidence - building and Transparency and the Peaceful Use of Nuclear Energy

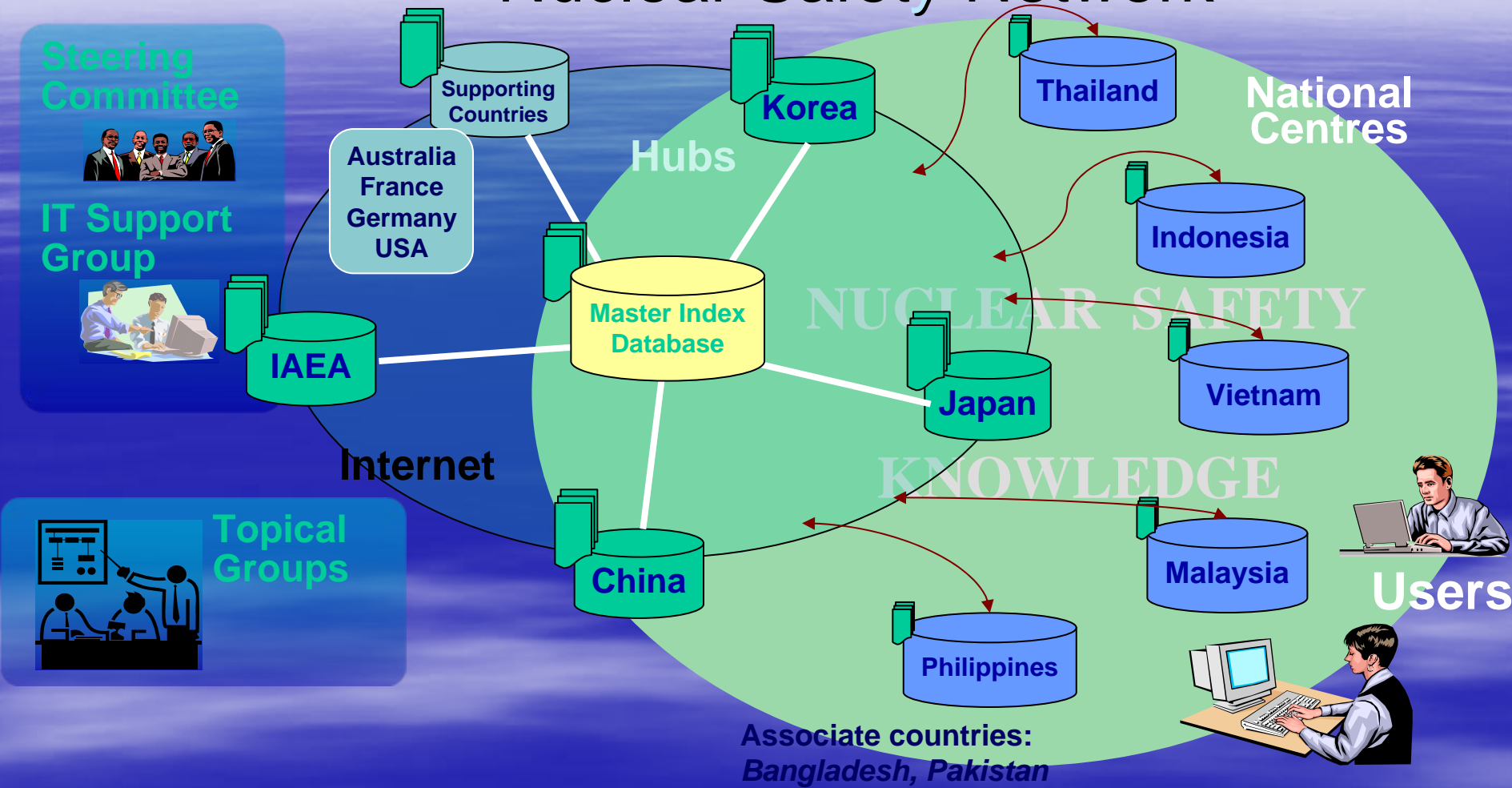
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# Treaty and International Convention

Thailand is a party of

- **Treaty on Non-Proliferation of Nuclear Weapon**
- **Comprehensive test ban treaty**
- **International convention for suppression of nuclear terrorism**
- **Convention on Early notification of nuclear accident**
- **Convention on assistance in case of a nuclear accident or radiological emergency**
- **Application of safeguards in connection with the Treaty on Non- proliferation with safeguards**
- **Additional protocol Pursuat INFCIRC/540Corr.**
- **South East Asia Nuclear Weapon Free Zone (SEANWFZ)**
- **Asian Nuclear Safety Network (ANSN)**

# Structure of the Asian Nuclear Safety Network



- Approximately 4000 documents in Master Index and IAEA site
- Large number of documents in Hubs and National Centres

# Treaty and International Convention on the process of study and Thailand plans to be a party of

- **Convention on Nuclear Safety**
- **Convention on the physical Protection of Nuclear Material**
- **Joint Convention on the Safety of Spent Fuel Management and on the Safety of Radioactive waste management**
- **Convention on Supplementary Compensation of Nuclear Damage**

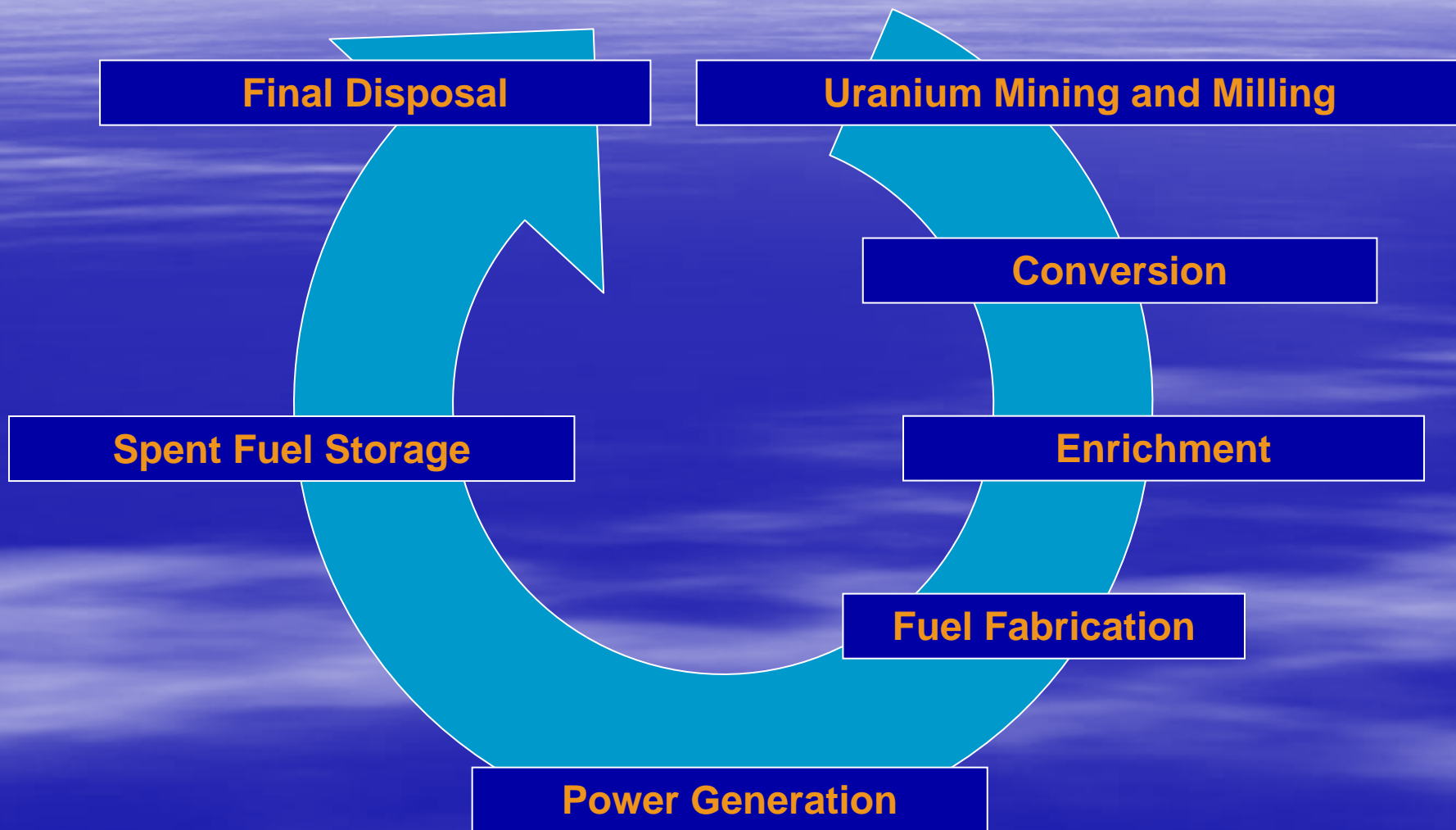
# Thailand Nuclear Power Program Policy

- **Not to develop fuel cycle sensitive technologies enrichment and reprocessing**
- **Spent Fuel will store at the Nuclear Power Plant for the age of the plant**
- **Final disposal under consideration**

# Nuclear Safeguards in Thailand

- **Nuclear Research Reactor 2 MWth Triga 19% of U-235 operation since 1962**
- **Spent fuels are stored in the pool at the reactor site**
- **No intention to do a research or reprocess of spent fuel**
- **MTR spent fuels with 93 % U-235 had been shipped to USA**
- **Thailand has made effort to implement faithfully the safeguards system in the country with good co - operation with IAEA**

# NUCLEAR FUEL CYCLE (open type)



# Thailand Institute of Nuclear Technology(TINT)

- **A Governmental public organization established in 2006**
- **Carrying out nuclear research and development programmes of the country**
- **Works closely, but independently, with the Office of Atoms for Peace(OAP), the nuclear regulatory body of Thailand and the IAEA**

# International Cooperation

- **Forum for Nuclear Cooperation in Asia: FNCA**
  - Utilization of research reactor
  - Utilization of radioisotope and radiation to agriculture
  - Public information of nuclear energy
  - Radioactive Waste Management
  - Safety culture of nuclear energy
  - Human Resources Development
  - Study Panel for Cooperation in the field of nuclear energy in Asia

# International Cooperation

- **The Regional Co-operative Agreement for research Development and Training Related to Nuclear Science and Technology for Asia and Pacific:RCA**
- **Coordinated Research Project through the IAEA**
- **Extended cooperation with Japan Atomic Energy Agency (JAEA) and research project with Commissariat a l'Energie Atomique(CEA)**
- **MOU with China Nuclear Power Research Institute**

# Thailand Institute of Nuclear Technology(TINT)

- **Research on nuclear science technology**
  - Medical and public health research
  - Biotechnology and Agriculture research
  - Materials science and industry research
  - Environment and industry research
- **Nuclear Technology Service**
  - Nuclear analysis, test and measurement services
  - Radioisotope products services
  - Irradiation services ( foods, agricultural produces and medical products, etc)
  - Gems irradiation services
  - Waste management services

# International Meeting & Workshop

- **EC Regional Workshop on Nuclear Energy Safety and Security in South –East Asia**  
**3-4 June 2008**
- **ASEAN+3 Forum on Nuclear Energy Safety**  
**16-17 June 2008**

**THANK YOU FOR YOUR ATTENTION**