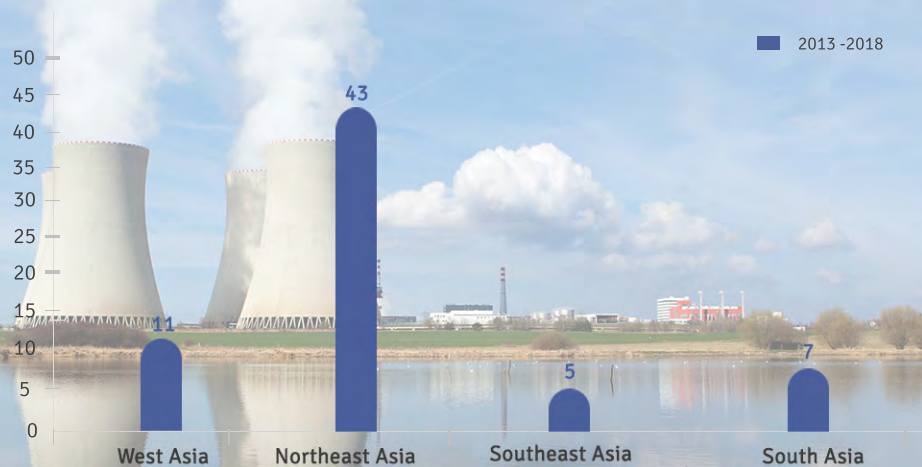


ENHANCING NUCLEAR SECURITY IN EAST ASIA

Compiled by Julius Cesar Trajano

NO. OF REPORTED INCIDENTS INVOLVING RADIOACTIVE MATERIALS IN ASIA BY REGION

Radioactive and nuclear materials are still within the reach of malicious individuals or groups. Countries in Asia have reported security incidents (thefts, losses, illicit trafficking) involving radioactive materials.



Adapted from sources: Sam Meyer, Shea Cotton, Jakob Lengacher, and Jaewon Oh, CNS Global Incidents and Trafficking Database, Monterey: James Martin Centre for Non-Proliferation Studies, 2019.

Emerging Centres of Excellence (COEs) play an essential role in helping countries in East Asia maintain the security of their nuclear material and facilities and provide a platform for strengthening the regional and global nuclear security architecture.

COUNTRY	COE	PARENT ENTITY	YEAR OF ESTABLISHMENT	PRIMARY ACTIVITIES
China	State Nuclear Security Technology Center (SNSTC)	China Atomic Energy Agency	2015	Nuclear security education, training and certification activities
Indonesia	Centre for Security Culture and Assessment	National Nuclear Energy Agency (BATAN)	2014	Conducts nuclear security culture assessment, security trainings and exercises
	Indonesia Center of Excellence on Nuclear Security and Emergency Preparedness (I-CoNSEP)	Nuclear Energy Regulatory Agency (BAPETEN)	2014	Provides policy, technical and scientific support to nuclear security; facilitates nuclear emergency response coordination and capacity-building; promotes regional collaboration
Japan	Integrated Support Center for Nuclear Nonproliferation and Nuclear Security (ISCN)	Japan Atomic Energy Agency (JAEA)	2010	Offers capacity-building assistance, technical support to government; conducts policy research; shares best practices with other nuclear security officials from Asian countries
Malaysia	Nuclear Security Support Centre (NSSC)	Atomic Energy Licensing Board	2012	Conducts trainings on nuclear security for law enforcers; shares Malaysia's experiences and best practices with countries in the region
The Philippines	Philippine Nuclear Security Support Center	Philippine Nuclear Research Institute	Currently being established	To conduct nuclear security trainings on radiological security for front line officers, users of radioactive sources, border security personnel and relevant security agencies
South Korea	International Nuclear Security Academy (INSA)	Korea Institute of Nuclear Nonproliferation and Control (KINAC)	2014	Provides education and training programmes, R&D activities, and capacity-building assistance to emerging countries in Asia

Adapted from sources: Forum for Nuclear Cooperation in Asia, "Summary of Country Reports: 8th Workshop on Nuclear Security and Safeguards Project of Forum for Nuclear Cooperation in Asia (FNCA)," Tokyo, Japan, 2018, 12 September, <https://www.fnca.mext.go.jp/nss/2018-01.pdf>; Alina Constantin, Andrew Newman, and Thomas Isaacs, Nuclear Security Centers of Excellence in Asia: Opportunities for Collaboration, NTI Background Paper, Nuclear Threat Initiative, August 2017; Damien Kingsbury and Christopher Hobbs, Centers of Excellence in East Asia: Encouraging Collaborative Approaches to Nuclear Security, Policy Analysis Brief, The Stanley Foundation, October 2015.

PARTICIPATION OF ASEAN MEMBER STATES IN KEY GLOBAL NUCLEAR AGREEMENTS

Not all ASEAN Member States are parties to key nuclear conventions. It is essential for countries with nuclear activities and radioactive sources for non-power applications to ratify all treaties. With the ratification of these treaties resulting in more robust regulatory and legal frameworks at the national level, ASEAN can collectively prevent and address illicit trafficking, theft or loss of radioactive materials.

(Tick indicates that the country is a party to the particular convention or treaty.)

	Safeguards Additional Protocol	Convention on the Physical Protection of Nuclear Material (CPPNM)		Nuclear Terrorism Convention (ICSANT)	Comprehensive Nuclear Test-Ban Treaty (CTBT)	Convention on Nuclear Safety (CNS)	Joint Convention on Spent Fuel and Radiological Waste	Convention Early Notification of a Nuclear Accident	Nuclear Assistance Convention
		2016 CPPNM Amendment	1980 CPPNM only						
Brunei					✓				
Cambodia	✓		✓	Signed	✓	✓		✓	
Indonesia	✓	✓	✓	✓	✓	✓	✓	✓	✓
Laos	Signed		✓		✓			✓	✓
Malaysia	Signed			Signed	✓			✓	✓
Myanmar	Signed	✓	✓		✓	✓		✓	
Philippines	✓		✓	Signed	✓	Signed	Signed	✓	✓
Singapore	✓	✓	✓	✓	✓	✓		✓	✓
Thailand	✓	✓	✓	Signed	✓	✓	✓	✓	✓
Vietnam	✓	✓	✓	✓	✓	✓	✓	✓	✓

Adapted from sources: IAEA, Factsheets: Country List, December 2018; CTBO, Status of Signature and Ratification, September 2018; UN Treaty Collection, International Convention for the Suppression of Acts of Nuclear Terrorism, 3 December 2018.

