

Presentation by the Asian Nuclear Safety Network (ANSN)

**18th GNSSN Steering Committee Meeting
28-29 July 2022**

Chairman of Asian Nuclear Safety Network (ANSN)

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Deputy Director

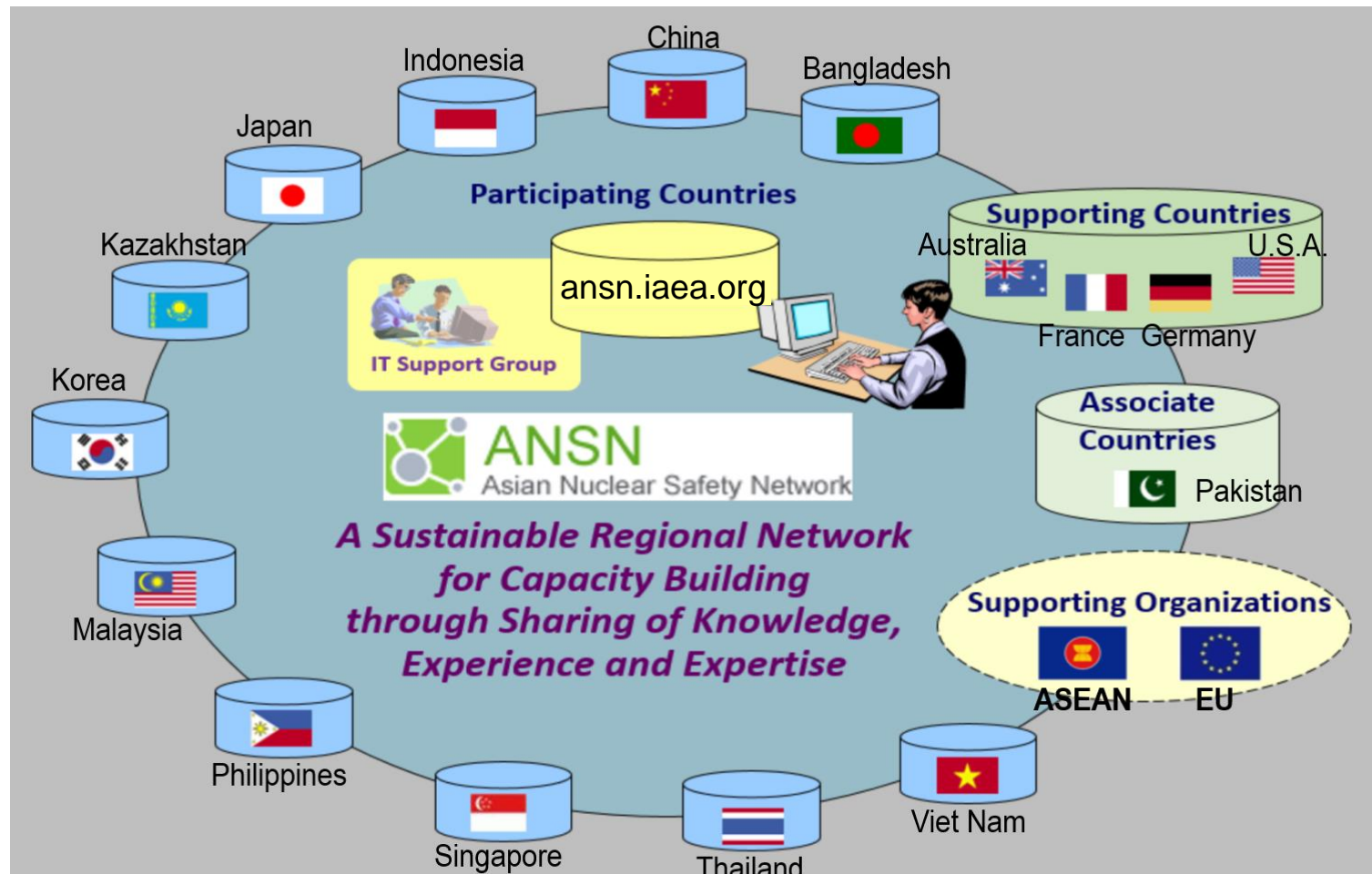
**Human Resources Division/International Affairs Office
Nuclear Regulation Authority, Japan**

Background and Goal of the ANSN

- Background
 - There is a strong need of nuclear safety **Capacity Building** and **Infrastructure Development** in Asia to establish robust scientific and technological expertise.
 - The Asian Nuclear Safety Network (ANSN) was launched in 2002 **to pool, analyse and share nuclear safety knowledge and practical experience** in Asia.
- Goal and Mission
 - The ANSN aims to be a sustainable regional network for **achieving high level of nuclear safety** in Asia
 - The ANSN continuously facilitates and supports the Member States in **capacity building(CB)** and fosters **sharing of knowledge, experience and expertise** in the area of nuclear safety through human and IT networks

Configuration of the ANSN

- 11 Member Countries
- 4 Supporting Countries
- 1 Associated Countries
- 2 Supporting Organizations



Activity

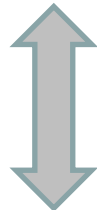
PLENARY

- Policy Making for ANSN



Steering Committee

- Planning, Coordination, Monitoring, and Evaluation of Activities.
- Approval of Activity Plan



Self Assessment Coordination Group

Capacity Building
Facilitation and
Coordination



9 Topical Groups



IT Support Group

Thematic activity
Implementation

Main Activities in the ANSN

- Main activities in the ANSN is to hold seminar or workshop to support and enhance the capacity building related to the safety of nuclear installation for the ANSN member countries.

	2021	2022	2023	Total
No. of Activities	8	19	23	50
in-Person	0	18	20	38
Virtual	8	1	3	12

Activity Plan for 2022~2023

2021 ANSN Activities

• Regional WGs and Participants

Topical Group	Planned	Perfor med	Title of Event in 2021	Total No. of Part.	Number of Participants										Supp. Count.	
					Bagladesh	China	Indonesia	Japan	Kazakhstan	Korea	Malaysia	Philippines	Singapore	Thailand		Viet Nam
CTG	1	1	Regional Workshop to Share Communication-Related Experience, Including on the Implications of Pandemic Situations	18	2		3				2	4		5	2	
EPRTG	2	0														
ETT	3	1	Regional Workshop on Strategies for Attracting and Retaining Highly Qualified Personnel at Regulatory Bodies	20			4	1		1	3	4	4		3	
RITG	2	1	Regional Workshop on Regulatory Inspection and Enforcement Program for Nuclear Installations by Regulatory Bodies	12			1				2	4		3	2	
RWMTG	1	0														
SATG	2	1	Regional Workshop on Deterministic Safety Analysis for Nuclear Power Plants	24		4	1				4	4	3	4	4	
SMRRTG	2	1	Nineth Annual Meeting of the Regional Advisory Safety Committee for Research Reactors in Asia and the Pacific	17	2		2				2	4		3	3	1
STG	1	1	Regional Workshop on Safety Requirements for Site Evaluation and Reviewing Safety Analysis Report for Siting	30			6			1	2	4	12	4	1	
RTTG	2	0														
SACG	1	0														
MGMT	2	2	Consultancy Meeting and 31st Steering Committee Meeting													
Total	19	8		121	4	4	17	1	0	2	15	24	19	19	15	1

- Interest in virtual workshops is very low compare to the face-to-face meeting in the past.
- Japan, Korea, and China hardly participate.

Activity Plan for 2022~2023

- Number of Events
 - Original Plan Approved in 2020

	2021	2022	2023	Total
No. of Activities	19	18	17	54
in-Person	17	16	14	47
Virtual	2	2	3	7

– Current Plan

	2021	2022	2023	Total
No. of Activities	8	19	23	50
in-Person	0	18	20	38
Virtual	8	1	3	12

Topical Group	2022	2023
CTG	1	1
EPRTG	1	3
ETTG	3	3
RITG	2	3
RWMTG	1	2
SATG	2	2
SMRRTG	3	2
STG	1	1
RTTG	2	4
SACG	1	0
MGMT	2	2
	19	23

- Most TG members prefer the face-to-face meeting.
 - Limited contents due to the time gap.
 - Difficult to have in-depth discussions, and communication is not smooth compared to face-to-face meetings.

Self-Assessment Coordination Group

- Technical Reports as a Results of Self-Assessment Coordination Group's Activity
 - At the 20th ANSN SC meeting in 2014, SACG was established to develop the Guidelines for Self-Assessment, and support Member States' Self-Assessment and thereby ANSN activities to fill their gaps.
 - As a results of SACG activities, a draft technical report is being prepared and is scheduled to be published in the first half of 2022.

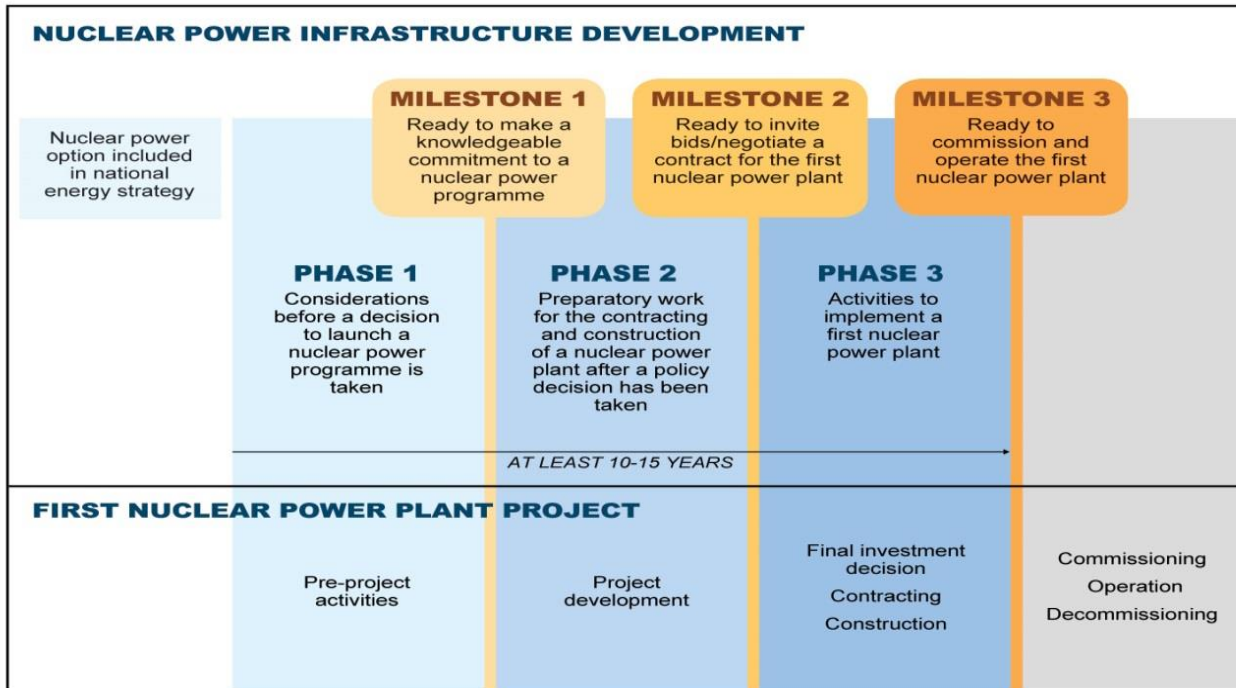
Cross-Network Activities

Year	Title of Event	ANSN	ANNuR	FNRBA
2018	IAEA-KINS WS on Basic Professional Training Course	8	3	8
	IAEA-KINS WS on Site Evaluation	9	6	15
	IAEA-KINS WS on Radiation Safety	9	8	4
	IAEA-KINS WS on Regulatory Infrastructure	8	3	3
2019	IAEA-KINS WS on Quality Assurance (RITG)	10	3	4
	IAEA-KINS WS on Emergency Responses (EPRTG)	10	5	6
	IAEA-KINS WS on Safety Review and Assessment for Licensing	7	2	4
	IAEA-KINS WS on SE of Research Reactor	9	7	2
	Total	70	37	46

- ANNuR and FNBRA are invited to the IAEA-KINS Joint Workshops, and generally 3~4 joint workshops are held a year.

Current Challenges in the ANSN

- Most of the ANSN member countries are in **the Phase-1** of their nuclear power program, and **this situation should be considered in the development and implementation of the next ANSN activity plan.** There are large gaps between the current ANSN Support Activities and actual needs from member countries.



Current Status of ANSN MSs

- Phase 3: Bangladesh
- Phase 2: no country
- Phase 1: Indonesia, Philippine, Kazakhstan, Malaysia, Thailand, Viet Nam
- Phase 0: Singapore

Current Challenges in the ANSN

- The interest of ANSN member countries shift to the research reactors, radiation protection and safety of radioactive materials, not related to the nuclear installation. The ANSN needs to consider strengthening activities related to research reactors, radiation safety and protection, transport safety of radioactive materials, radioactive waste management, emergency response to the radiation related accidents.
- In addition, The ANSN needs to consider expanding the area of activities such as development some documentation, etc other than seminar or workshop .

Thank you for your attention

