

The Asian Nuclear Safety Network

Overview: Asian Nuclear Safety Network (ANSN)

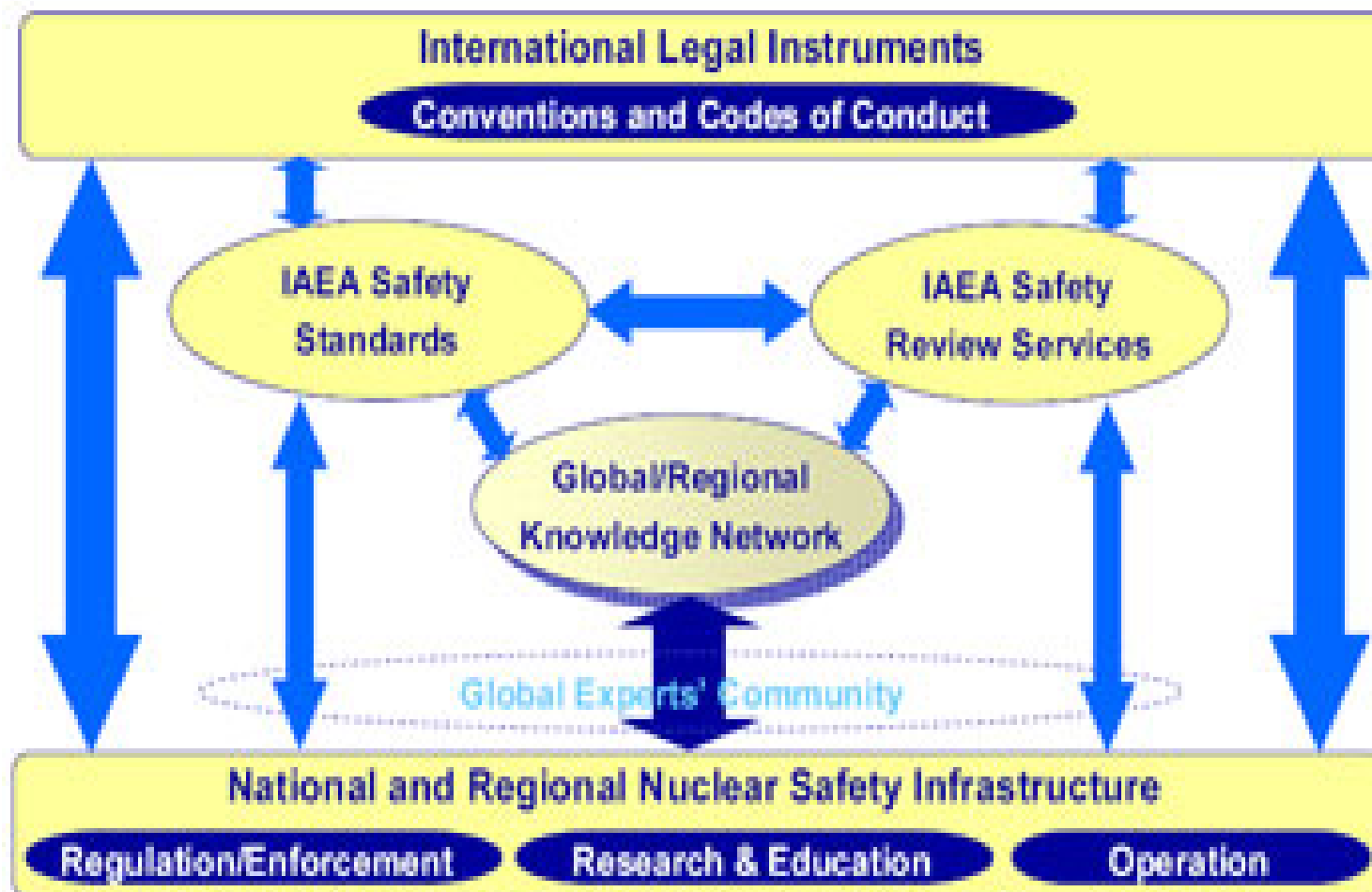
Khoirul Huda
ANSN SC Vice-Chairman

**1st GNSSN Steering Committee Meeting
Vienna, 2-4 April 2012**

Introduction

- Nuclear safety (as well as nuclear security) is a global issue.
- to achieve the high level of nuclear safety (and security) as a global basis, it needs several instruments, such as nuclear-safety/security related conventions, IAEA Safety and Security standards, safety/security review services provided by the IAEA.
- knowledge networking plays an important role in establishing and enhancing national and regional nuclear safety/security infrastructures.
- Asian Nuclear Safety Network (ANSN) which was launched in 2002 serves for enhancing the safety infrastructure in the participating countries.

Global Safety Infrastructure



Objective of the ANSN

- The main objective of ANSN is to pool, analyse and share nuclear safety information, existing and new knowledge and practical experience among the countries.
- ANSN is expected to be a platform for facilitating sustainable regional cooperation and for creating human networks and cyber communities among the specialists of those countries.
- Development of a regional capacity building system composed of knowledge network, regional cooperation and human networks will serve for enhancement of nuclear safety infrastructures in the participating countries, and will serve eventually for ensuring and raising the safety levels of nuclear installations in the region.

Objective of the ANSN



Participating Countries

Member countries:



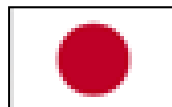
Bangladesh



China



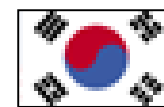
Indonesia



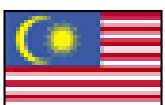
Japan



Kazakhstan



Korea



Malaysia



Singapore



Thailand



Philippines



Vietnam

Supporting countries:



Australia



France



Germany



USA

Management:



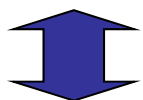
Evolution of ANSN

1997	EBP-Asia	Technical support for Research Reactors and Nuclear Power Plants
2002	ANSN	IT network for Information Sharing Self-evaluation of safety
2004	Steering Committee & Topical Groups	Human network for Education & Training, Operational Safety, Safety Analysis + Emergency, Radioactive Waste
2008	Strategy Dialogue	Focus on Safety Infrastructure of Nuclear Power Plants
2009	CBCG	Focus on capacity building of regional safety infrastructure
2012	Plenary	Strategy Dialogue is replaced by the Plenary

ANSN Management Structure

Plenary

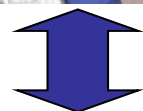
- Policy-making for ANSN



ANSN Steering Committee

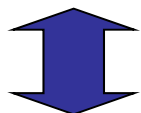


- Planning, coordination, monitoring and evaluation of ANSN activities
- Promotion of ANSN

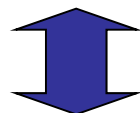


Capacity Building Coordination Group

- Cross-cutting group, coordinating the capacity building activities



IT Support Group



Topical Groups

- Implementation of ANSN activities
- Selection and control of uploaded knowledge

Topical Groups

- Forums composed of specialists
- Identification of regional common needs
- Planning and implementation of reg. training courses and workshops
- Implementation of specific activities

8 Topical Groups + 1 IT Support Group:

- *Education & training*
- *Operational safety of nuclear power plants*
- *Safety analysis*
- *Radioactive waste management*
- *Safety management of research reactors*
- *Emergency preparedness & response*
- *Governmental & regulatory infrastructure*
- *Siting*
- *IT Support Group*

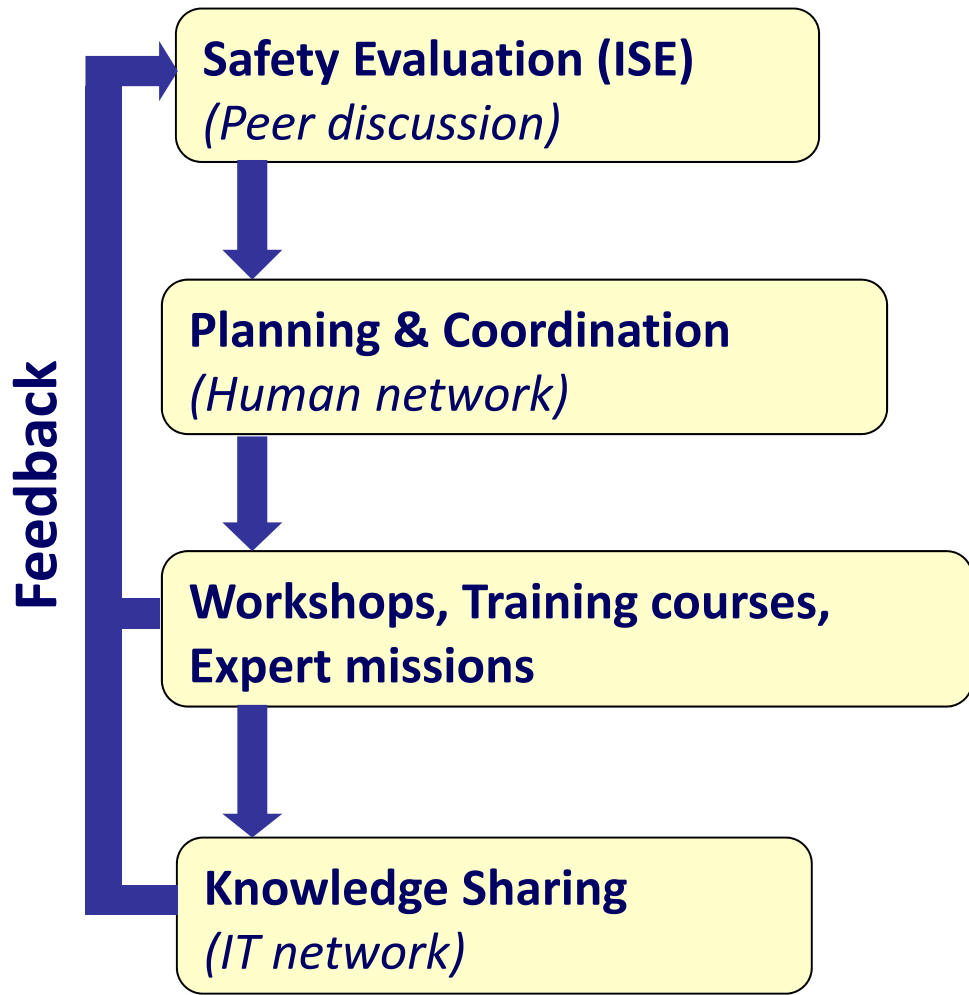


2 New Topical Groups:

(since 14th ANSN SC Meeting, Nov 2011)

- *Public Communication*
- *Management System for Regulatory Body*

Annual Programme Cycle



	Country A	Country B
1. Basic responsibilities		
1. NCA	█	█
2. Functions and responsibilities	█	█
3. Regulatory and inspection	█	█
2. Assessment of threats	█	█



Integrated Safety Evaluation

Objectives:

- Provide periodic status to measure progress
- Provide a process for discussion, information sharing (strengths and weaknesses) and capacity building based on experience

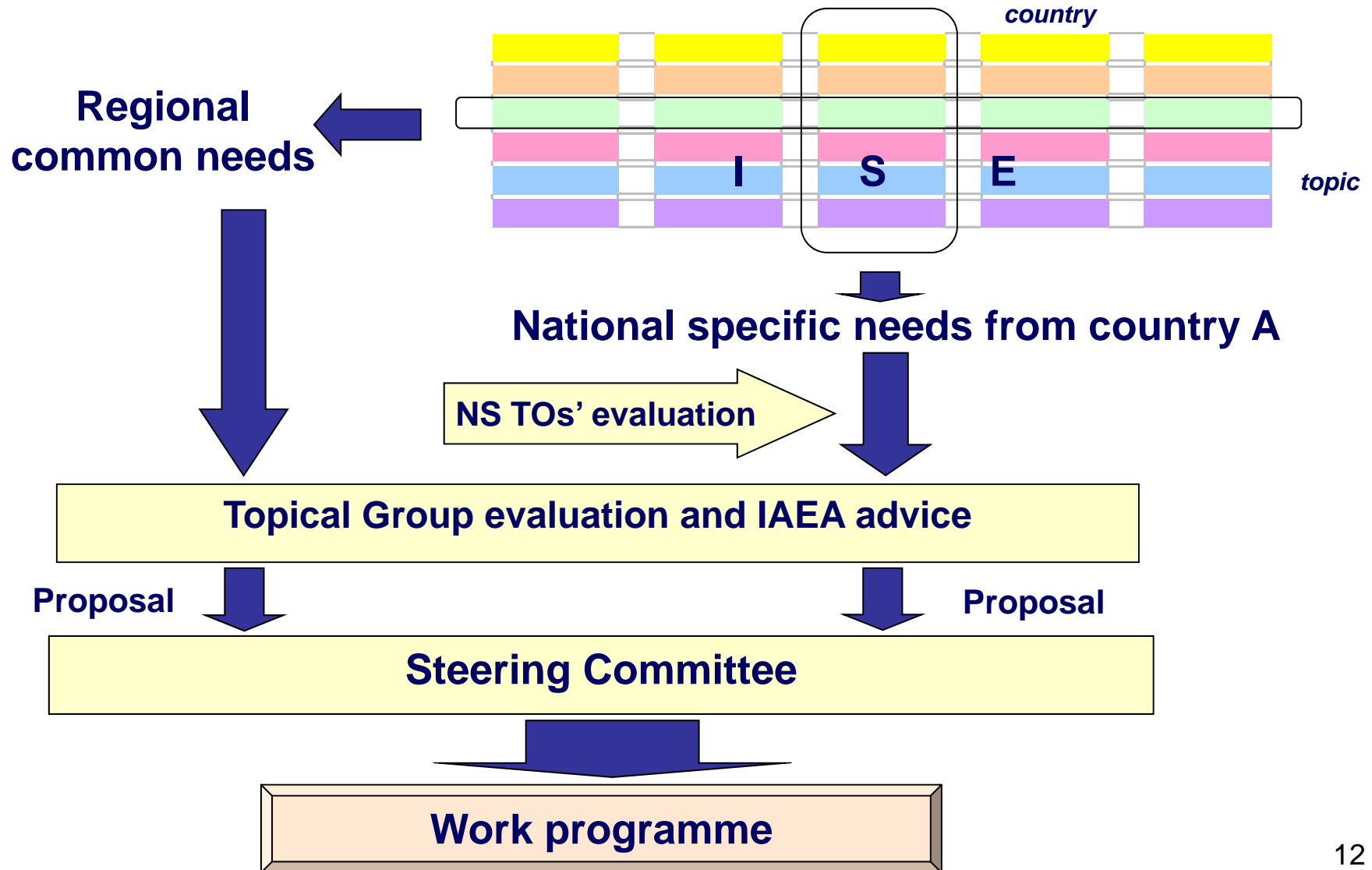
Six topics:

- Governmental and Regulatory Infrastructure
- Safety of Research Reactors
- Safety of Nuclear Power Plants
- Emergency Preparedness and Response
- Radioactive Waste Management
- Education and Training

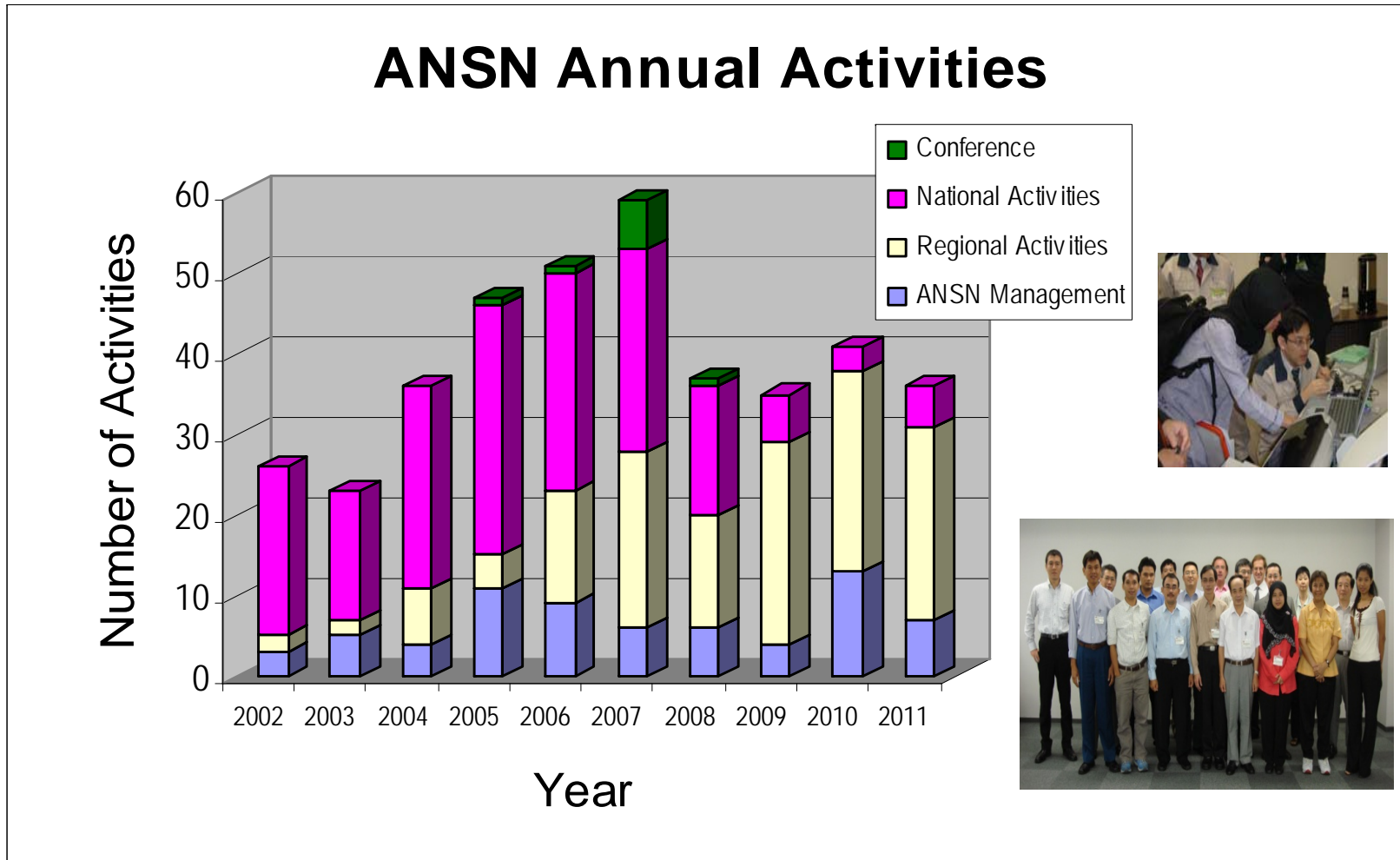
Methodology:

- Self Assessment by Member States based on IAEA Safety Standards
- Peer discussion through ANSN (discussion forum and TGs)
- Continuous improvement by sharing experience

Planning and Coordination



Implementation of ANSN Activities

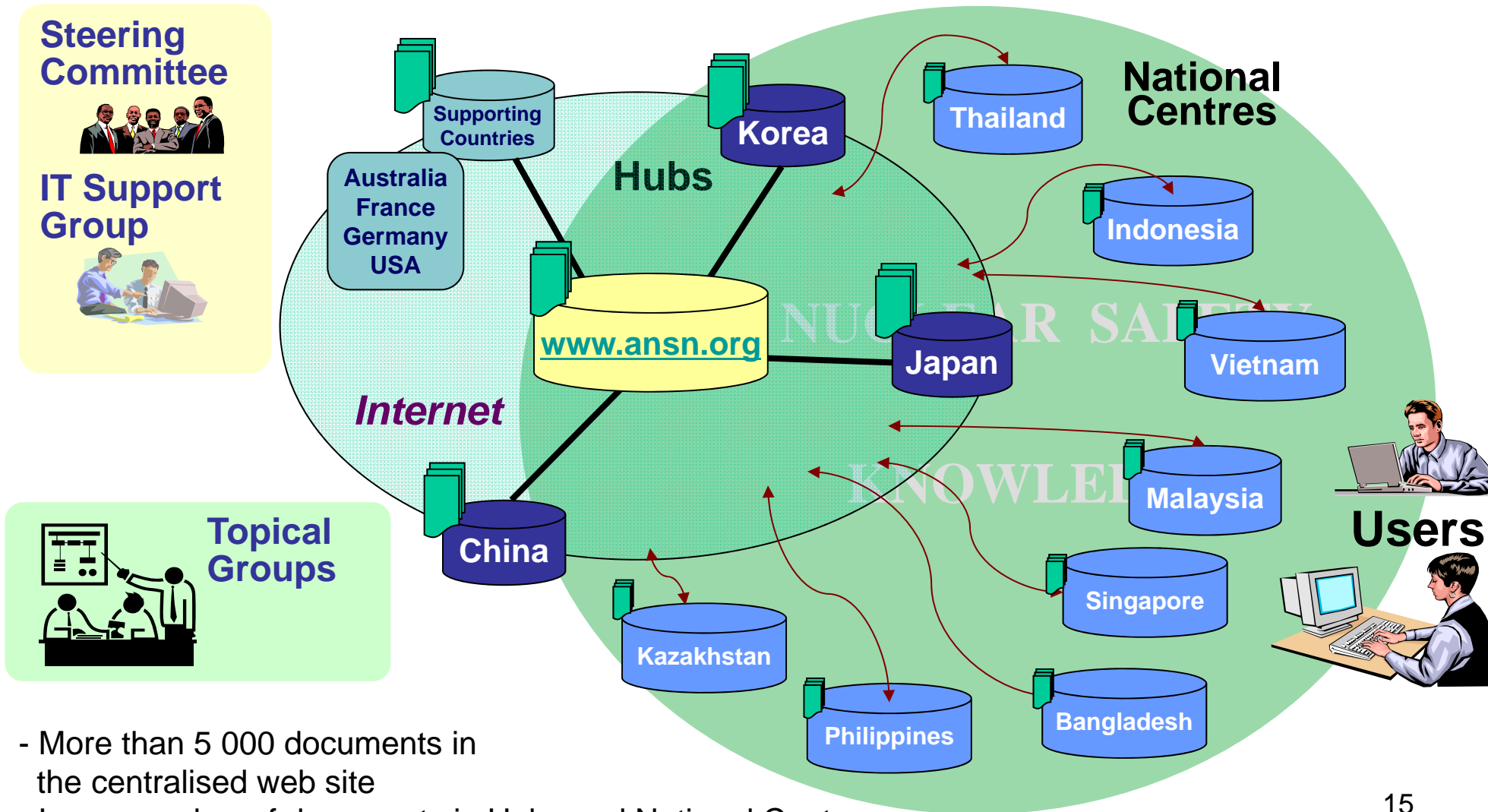


Regional Capacity Building

ANSN could help Asian participating countries enhancing regulatory, institutional aspects as well as human resources development in:

- *Developing a network of training centres*
- *Promoting training activities, including the use of the existing training centres in China, Japan and Korea*
- *Conducting training needs assessment missions in the region*
- *Developing, updating, validating and sharing existing and future training materials*
- *More generally, implementing specific activities requested by countries*

IT Networks for Sharing Knowledge



- More than 5 000 documents in the centralised web site
- Large number of documents in Hubs and National Centres

Thank you
for your kind attention!