

# The National Nuclear Safety Knowledge Platforms

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# GNSSN Mission



## **Nuclear Safety Knowledge Management**

- ▶ knowledge, experience and lessons learned related to nuclear safety and security are managed and shared for the benefit of Member States

## **Facilitate multilateral cooperation and coordination**

- ▶ Enabling and supporting collaboration and interaction between organizations and subject matter experts

## **Building Capacity**

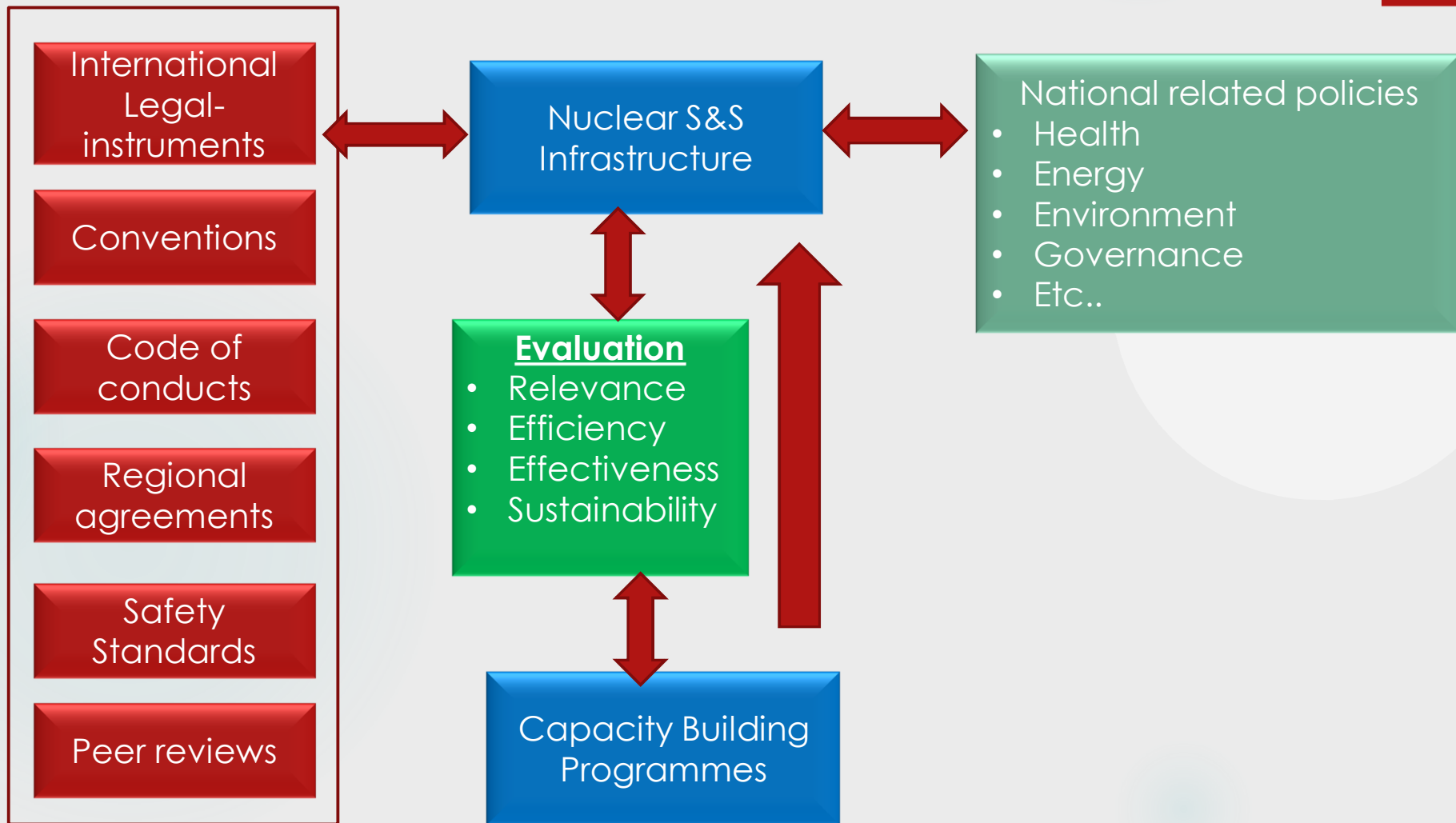
- ▶ Establish a capacity building framework to support the national nuclear safety and security infrastructure

# GNSSN one Pillar of the IAEA Capacity Building Methodology

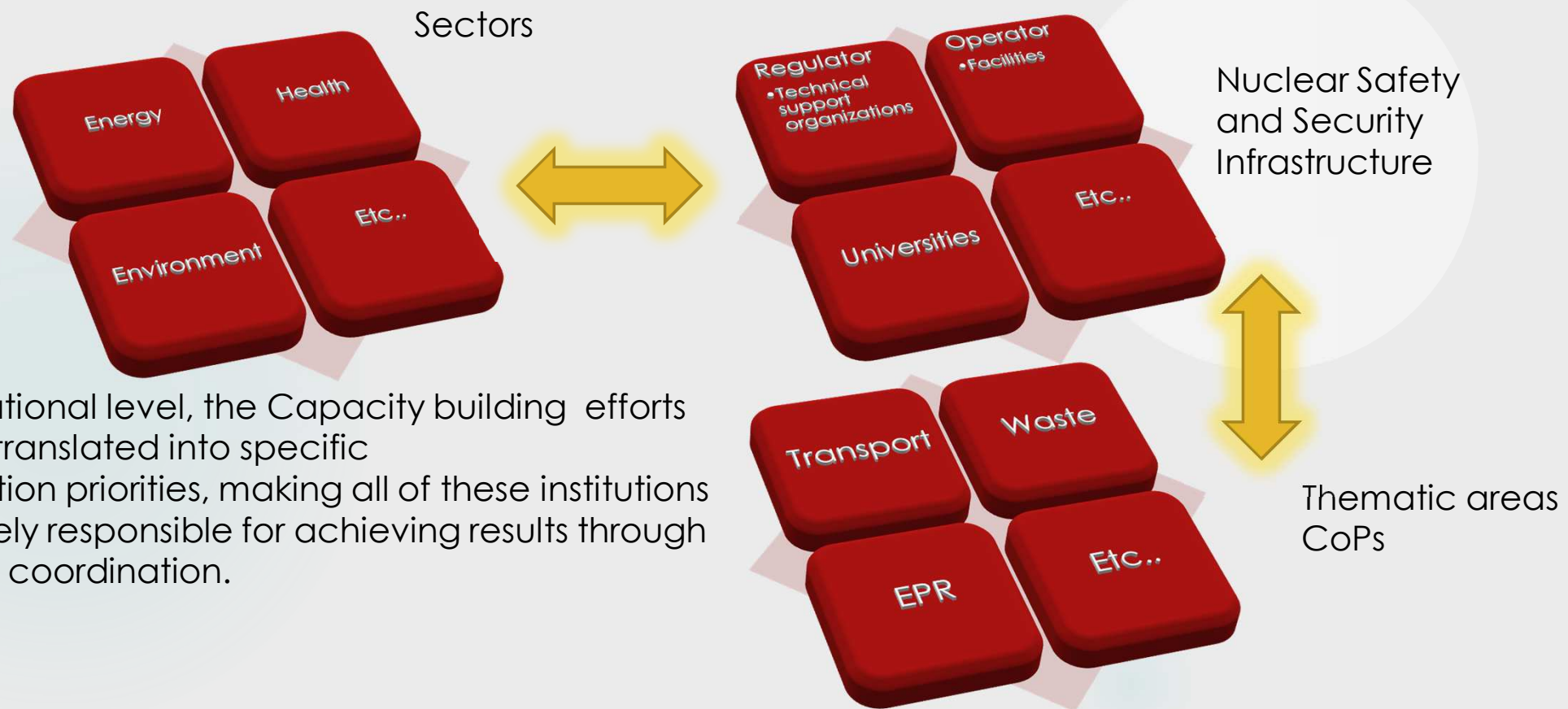
- ▶ The GNSSN is supporting the IAEA's Nuclear Safety and Security Programme (Major Programme 3) which covers one of the IAEA's essential statutory functions. In line with the IAEA Action Plan on Nuclear Safety, the GNSSN, as a knowledge network, is part of an integrated IAEA methodology for capacity building and contributes to enhancing international cooperation and dialogue in the field of nuclear safety and security.



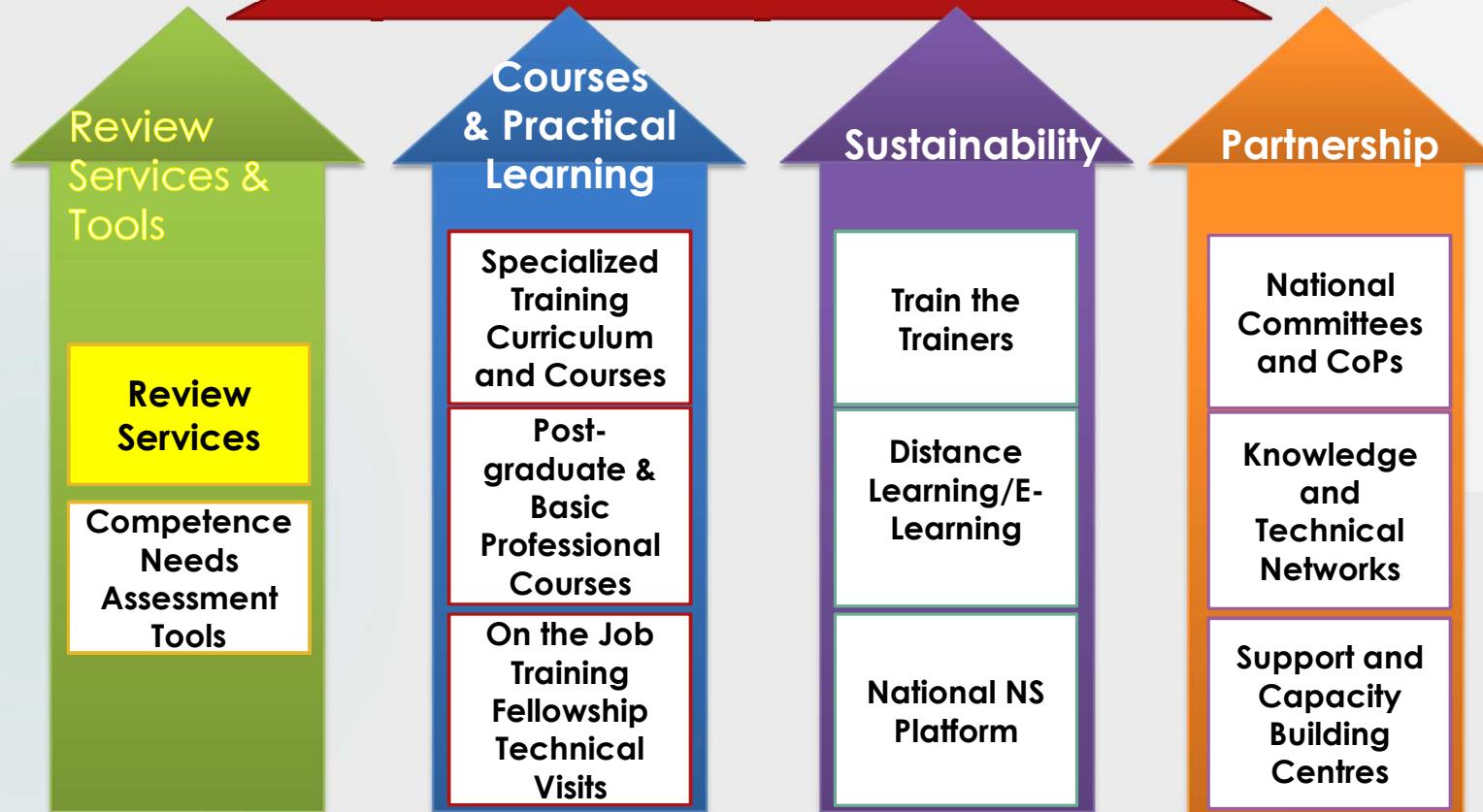
# The national context: external factors



# The National context: internal factors



# National Capacity Building Framework



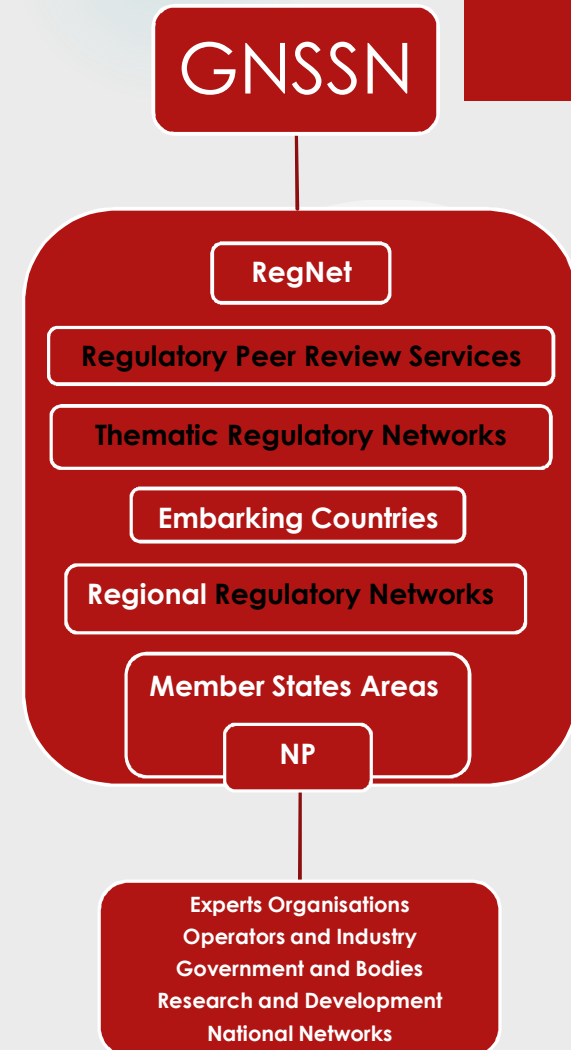
IAEA, International Organizations, Partner Organizations

# About the platform

- One “National Nuclear Safety knowledge Platform” for each IAEA member State
- The National Platforms are connected to regional, thematic or global networks
- Compromise of 2 areas:
  - Outward facing area, The National Portals, sharing relevant national information on the regulatory infrastructure and other related information
  - Second area can be used for collaboration, communication and knowledge management

# The National Platforms

- ▶ The national platforms are independently managed by the respective Member States
- ▶ The interaction with other network is flexible
- ▶ There is no direct hierarchy
- ▶ The Steering Committee is the advising organ on the National platforms
- ▶ The Steering Committee is partly comprised of National coordinators





# Benefits for the Member States



- Improving coordination and collaboration
- Creation of inland communities of practice
- Creation of knowledge repositories
- Combining multiple internal corporate knowledge management systems into one online system
- Streamline of processes
- Can be personalized to the users preferences and needs
- Improving the ability to analyze program efficiency

# Scope of the National Platforms

- ▶ Countries with an established nuclear power programme
  - ▶ Transparency, reliable information, share nuclear knowledge
- ▶ Newcomer countries
  - ▶ Tool for capacity building, knowledge management, collaboration
- ▶ Member States with no nuclear Power programme
  - ▶ Facilitate knowledge management for sustainable development and socioeconomic benefit

# The National Platform as a Capacity Building tool

- ▶ Interconnecting the national stakeholders around one platform
- ▶ Linking the platform to the international and regional legal instruments and agreements
- ▶ One national capacity building programme
- ▶ One performance management framework
- ▶ Tracking and reporting
- ▶ Encourage partnership and multi-action programmes

# The National Platform as a knowledge management tool

- ▶ Maintaining a nuclear safety knowledge base
- ▶ Effective sharing of the nuclear safety knowledge ( regulatory bodies, operators, TSOs, R&D organizations and others)
- ▶ National document management system
- ▶ Workflows and processes (as a support for communication, approval and review processes )
- ▶ Technology support for a national knowledge management programme

# Human Resource Development, Education and Training

- ▶ human resource development is an integral part of corporate management systems
- ▶ the Strategic Approach to Training (SAT)
- ▶ connect the various human resource and education and training activities at the national level
- ▶ connecting academia and R&D institutions

# Context of the National Platforms



- ▶ Should not be considered as an isolated entity
- ▶ Connected to other platforms, but need to consider national priorities, limitation and confidentiality of data and information
- ▶ The tool to a national capacity building framework
- ▶ Bringing national experts with international experts for sharing, solving, assessing, innovating solutions and methods
- ▶ Through interconnecting the platforms, a regional capacity building programmes could be established

# Content Structure



- ▶ Radiation and nuclear facilities and activities
- ▶ Responsibilities and functions of the government
- ▶ Global nuclear safety and security regime
- ▶ Responsibilities and functions of the regulatory body
- ▶ General country information
- ▶ Regulatory knowledge base (Pyramid)
- ▶ International legal instruments
- ▶ **Collaboration Space**

# The national coordinator

- ▶ Promote the network of national organizations
- ▶ Develop the platform as an interface between GNSSN and national resources
- ▶ Provision of access rights to national users
- ▶ Selection, clearance and upload of content
- ▶ Engage in continuous dialogue and exchange of information with stakeholders and interested parties



# Achievements



- ▶ Over 40 Officially nominated Contact Points
- ▶ 7 fully Developed platforms
- ▶ 5 requests from Africa region
- ▶ ANSN Safety Centres to be migrated to GNSSN
- ▶ Support for the Technical Cooperation Department under Discussion

# Up-coming solutions and publications

- ▶ SharePoint 2013 for the GNSSN environment
- ▶ Learning management system for the member countries hosted under the Member States Area
- ▶ Online nomination with support for approval and decision making process
- ▶ New publication on the National Nuclear Safety Knowledge Management Platforms
- ▶ Full operational Integrated Nuclear Safety Capacity Building Plan
- ▶ Possible development of an integrated management system for Operator/regulator



Thank you for your attention....