THE GLOBAL NUCLEAR SAFETY AND SECURITY FRAMEWORK

Progress Report

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Content of the GNSSN

Global Networks and Fora

International Regulatory Network (RegNet)
- SMR Regulators’ Forum
- Regulatory Cooperation Forum (RCF)
- WWER Regulators’ Forum
- Forum for Senior Regulators of CANDU Reactors
- Regulatory Peer Review Services online space (…)

Control of Sources Network (CSN)

Education and Training Network in Nuclear Waste and Radiation Safety

Nuclear Security Information Portal (NUSEC)

Technical and Scientific Support Organization Forum (TSOF)

Emergency Preparedness and Response Network (EPnet)

Global Safety Assessment Network (GSAN)

Occupational Radiation Protection Networks (OPRnet)

Capacity Building Forum — upcoming

Safety and Security Communication Network (GNSCOM) — starts July 2015

Regional Safety Networks

Arab Network of Nuclear Regulators (ANNuR)
Asian Nuclear Safety Network (ANSN)
Forum of Nuclear Regulatory Bodies in Africa (FNRBA)
Ibero-American Forum of Radiological and Nuclear Regulatory Agencies (FORO)

Regional Safety Network in Europe and Central Asia — upcoming

[Liaison with regional networks external to the IAEA (e.g. the European Nuclear Safety Regulators Group (ENSREG), Western European Nuclear Regulators Association (WENRA)]

National Level

Each Member State has its own National Nuclear Regulatory Portal (NNRP) serving as an interface to the national web-based knowledge platforms.
Promoting IAEA Services

• OSART, IRRS, INSARR, SEDO, SCEA…and more
• Building capacity for emerging, embarking, expanding Nuclear Power Programmes
• Assessing safety issues with ageing of nuclear power plants and research reactors
• Harmonizing national and international regulatory practices
• Assisting Member States in external hazard assessment
GNSSN-Capacity Building

- **Government:**
  - National strategies
  - Strategic partnership
  - Framework for Coordination
  - Governance

- **Organization:**
  - Planning
  - Management
  - Training Programme
  - Technical partnership

- **Individual:**
  - competency
  - Knowledge training

- Enhancing Member States self-assessment capabilities
- Exploring partnership
- Responding to MS needs
- Implementation of Capacity building activities and programmes
Global Nuclear Safety and Security Network

- 18 Networks
- 17 Thematic Area
- 120 Member States
- Over 70,000 documents
- Over 30,000 pages viewed per month
- Since 2011, over 300 regional and national activities
- Since 2011, ~3500 experts involved in the GNSSN activities

Connect, communicate and collaborate: a worldwide gateway to help Member States build a smarter, safer planet

People who network through GNSSN have greater opportunities to learn more, grow professionally, and have a bigger impact on safety and security in their own countries.
Major Achievements

2\textsuperscript{nd} GNSSN Plenary, 58\textsuperscript{th} IAEA GC
Focusing on Building Capacity Sustaining Results

- IAEA Capacity Building Methodology, Mr Shahid Mallick
- Knowledge Networks, Mr Lingquan Guo,
- Nuclear Security, Mr James Conner
- Establishing a nuclear safety infrastructure – IAEA assistance, Ms Adriana Nicic
- Education and Training, Ms Maria Moracho
- Education Capability Assessment and Planning, Mr Ugochukwu Ugbor
- Human Resource Development, Mr Brian Molloy -
- Knowledge Management, Mr John de Grosbois
- National Platforms, Mr Yassine Chaari
- Summary and Closing
Major Achievements

- Implementation of ETRES missions within ANNuR and ANSN framework
- Revision of ANSN self-assessment
- SARCON For FNRBA Member States
- Implementation of 90 capacity building activities since January 2015
- Migration of GNSSN platform to SharePoint 2013
- Procurement of an E-learning and training management platform under GNSSN
- 9 National platforms
Major Achievements

- Initiated the revision of the capacity building self-assessment
- Initiated the revision of the Global Nuclear Safety and Security Framework
- Finalized the TECDOC on national nuclear safety platforms
- Finalized the TECDOC on Technical Support Organizations
- Establishment of GNSCOM
- Establishment of the European Nuclear Safety Network
Achievements

• International Conference on Human Resource Development for Nuclear Power Programmes: Building and Sustaining Capacity:

“Knowledge networks are an effective mechanism for capacity building and for strengthening the national nuclear energy, safety and security infrastructure. Such networks can respond globally to any need in the safety and security area and have been instrumental in promoting nuclear safety and security standards and related IAEA peer review and advisory missions.”
Achievements

- IAEA Report On Capacity Building For Nuclear Safety, part of a series of reports on the lessons learned from the Fukushima Daiichi accident:

  “Global networks such as the GNSSN have been instrumental in promoting a global nuclear safety and security framework and in connecting, under one umbrella, the activities of the various participating global, regional and national networks and initiatives. Member States should consider fostering and strengthening their participation in this initiative”
Goals and Priorities

- Mapping Education resources globally
- Mapping Training opportunities globally
- Global Nuclear Safety and Security Learning Management System
- Launching the “Partnerships for Nuclear Safety”
- Implementation of the Integrated Nuclear Safety Capacity Building Plan for embarking countries
The Agency Continued to:

- Play a central role in and provide a global platform for strengthening nuclear safety worldwide
- Raise awareness of the need to improve nuclear safety nationally, regionally and globally
- Assist Member States, upon request, to develop and maintain a national nuclear safety capacity building
Working to protect people, society and the environment

Thank you