



GNSSSN

Global Nuclear Safety and Security Network



60 Years

IAEA *Atoms for Peace and Development*



GNSSN

Global Nuclear
Safety and Security
Network

MESSAGE FROM THE DIRECTOR GENERAL



“Countries ... must be able to transfer education and training capacity together with the technology they provide.”

Yukiya Amano

As a worldwide gateway, GNSSN assists countries in building capacity in a safe and secure way via international, regional and national networks and portals.

The GNSSN supports collaboration and cooperation in the area of nuclear safety and security on a global scale among national authorities, specialists, international organizations, forums and working groups.

CREATING A COMMUNITY

Keeping up with emerging trends, new information, lessons learned and best practices in nuclear safety and security is vital for virtually every professional from every sector in the nuclear community. But, keeping up with it all is becoming more challenging and complex as huge amounts of information arrive every day from multiple, divergent directions.

Moreover, connecting and maintaining solid professional relationships and even finding professionals with suitable expertise from within the diverse fields of nuclear science and technology is difficult for several reasons—the skill set needed, resource availability, and geographical location, to name a few.

New tools to address these problems include virtual communities. Sites such as Facebook, LinkedIn, Twitter, and others have taken networking to a new level.

At its core, a virtual community is a way for like-minded people to cross geographical and political boundaries to connect, communicate and collaborate with each other through digital networks.

The illiterate of
the 21st century will
not be those who
cannot read and
write, but those who
do not have access
to technology and
information to learn,
unlearn and relearn

Alvin Toffler

*Author of "Future Shock", and
former associate editor of Fortune magazine*

INSAG Advocates Networking

In its 2006 report on Strengthening the Global Nuclear Safety Regime, the International Nuclear Safety Group (INSAG) advocates and urges Member States and international organizations to adopt this type of networking:

“The Global Nuclear Safety Regime is the framework for achieving the worldwide implementation of a high level of safety at nuclear installations. Its core is the activities undertaken by each country to ensure the safety and security of the nuclear installations within its jurisdiction. But national efforts are and should be augmented by the activities of a variety of international enterprises that facilitate nuclear safety — intergovernmental organizations, multinational

networks among operators, multinational networks among regulators, the international nuclear industry, multinational networks among scientists, international standards setting organizations and other stakeholders such as the public, news media and non-governmental organizations (NGOs) that are engaged in nuclear safety. All of these efforts should be harnessed to enhance the achievement of safety.”

Evolution

INSAG’s pronouncement in 2006 set the precedent for the IAEA to launch the Global Nuclear Safety and Security Network (GNSSN) in 2007. The GNSSN was developed to address the connection, collaboration, capacity building and information needs of the global community. It has proven beneficial to Member States that need to develop new nuclear and radiation protection safety and security infrastructure, as well as to Members States seeking to strengthen and improve existing infrastructure.

Since then, GNSSN has evolved into a strong virtual community that comprises 18 networks including global, regional and national safety and security networks, forums and portals. The GNSSN is a worldwide gateway for Member States to share nuclear safety and security knowledge, expertise, lessons learned, training and services to facilitate capacity building. GNSSN also assists in harmonizing and implementing activities from global initiatives at the regional and national level. Members are encouraged to take ownership of the processes needed to grow the network.



What is INSAG?

The International Nuclear Safety Group (INSAG) is a group of highly competent professional experts in the field of nuclear safety, working in regulatory organizations, research and academic institutions and the nuclear industry. INSAG was constituted under the auspices of the IAEA with the objective of providing authoritative advice and guidance on nuclear safety approaches, policies and principles for nuclear installations (defined as nuclear power plants, fuel cycle facilities, research reactors and support facilities). INSAG provides recommendations and informed opinions on current and emerging nuclear safety issues to the international nuclear community and the public through the IAEA.

Translating Vision Into Reality

To assist the IAEA in strengthening nuclear safety and security in Member States, the GNSSN connects Member States to each other and to the communities of practice at large. Member States can use the GNSSN platform to access online resources and communicate with nuclear experts worldwide. The GNSSN aims to enhance and maintain the quality of its national and regional safety and security networks and its global expertise by highlighting valuable information and providing a consistent and integrated online presence to meet the evolving needs of its users.

Sponsors and Partners

A recent Memorandum of Understanding on Nuclear Safety between the European Commission and the IAEA establishes a framework for cooperation to aid in strengthening nuclear safety worldwide, in particular through the European Union's Instrument for Nuclear Safety Cooperation and the Instrument contributing to Stability and Peace.

Coordination mechanisms also exist at the regional level such as that between the IAEA and key regional network partners, such as: the Asian Nuclear Safety Network, the Arab Network of Nuclear Regulators, the Forum of Nuclear Regulatory Bodies in Africa, the Ibero-American Forum of Radiological and Nuclear Regulatory Agencies and the European and Central Asian Safety Network.



Working Toward the End Goal

With nuclear safety and security as its goal, the GNSSN's threefold mission helps Member States to:

- 1** **Connect:** to exchange, pool and share nuclear safety and security information, building strategic partnerships among governments, educational institutions, technical support organizations, regulators, operators, nuclear experts and specialists worldwide.
- 2** **Communicate** to effectively share nuclear safety and security knowledge, good practices, lessons learned and expertise, avoiding knowledge decay and obsolescence through providing access to up-to-date nuclear safety and security scientific and technical literature.
- 3** **Collaborate** to build capacity to strengthen the global nuclear safety and security framework. GNSSN provides Member States with access to resources such as workshops, IAEA safety standards and security guidance, and safety peer review and advisory services to assist in building competences.



An Eye for Quality

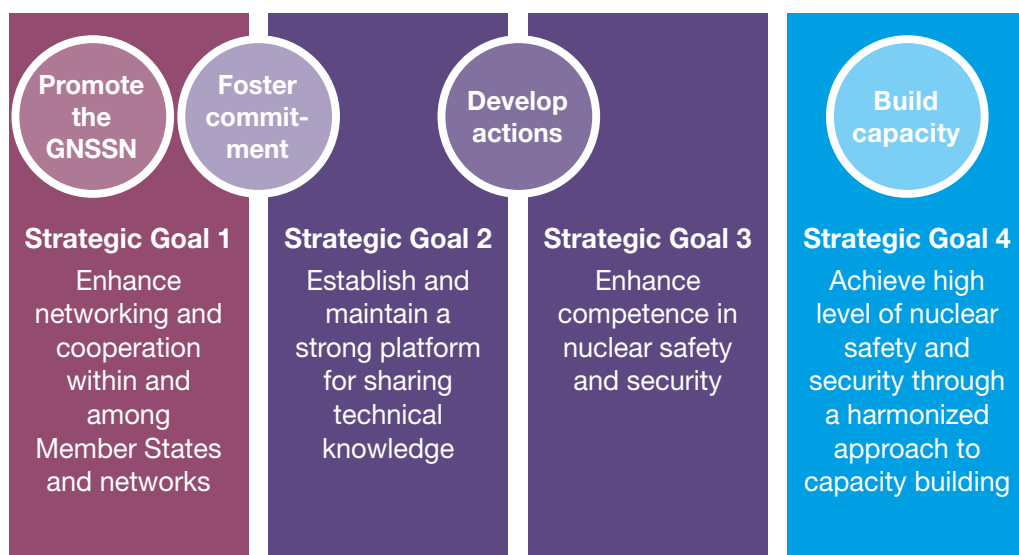
The Agency periodically evaluates the GNSSN networks to ensure that the networks are performing satisfactorily. The GNSSN periodically conducts surveys and monitors the use, effectiveness and results achieved.

The GNSSN team is eager to hear feedback from users to increase the quality and value of the GNSSN user experience. The GNSSN's effectiveness depends on the organization and accessibility of its information resources.

GNSSN - Building capacity, sustaining results

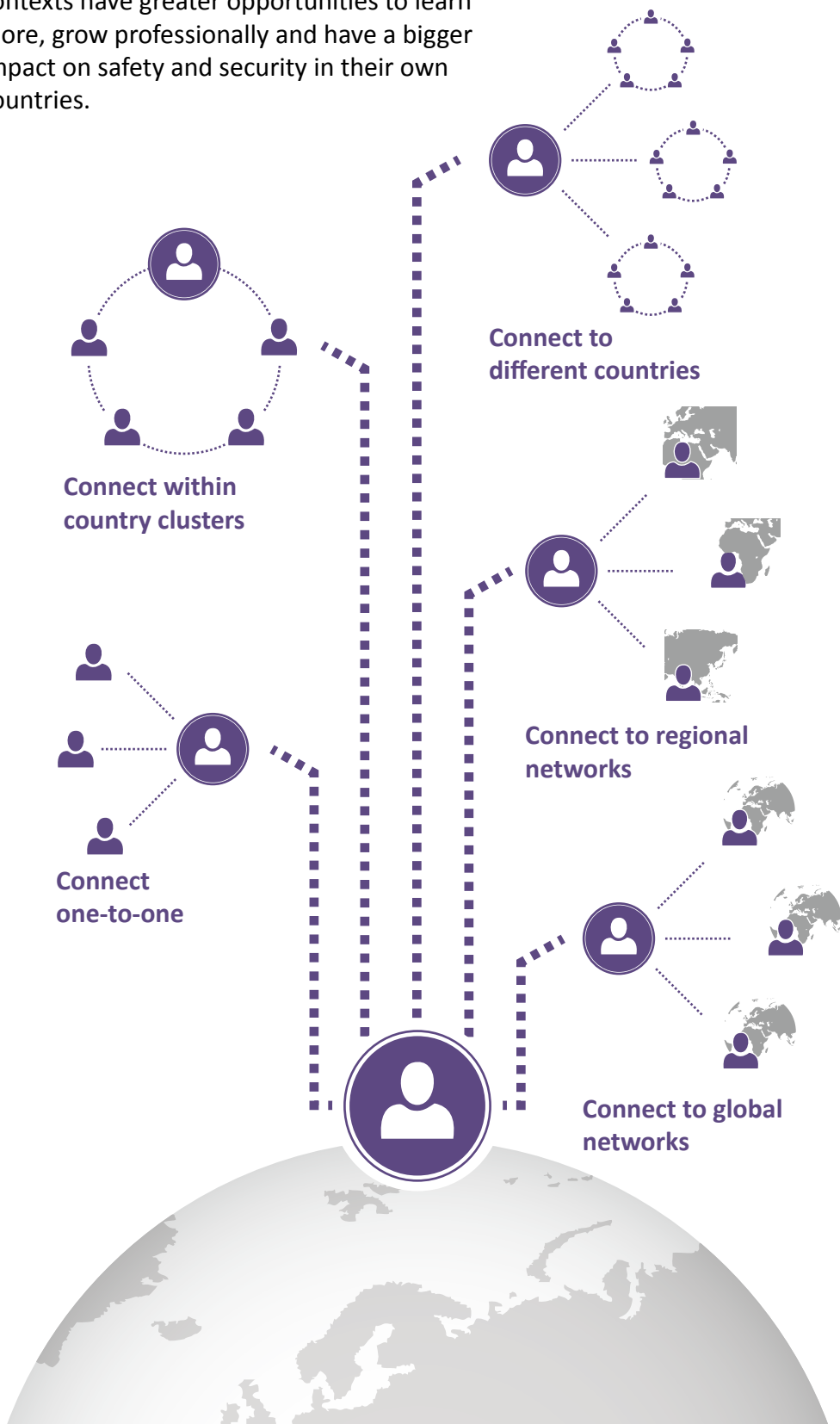
Capacity building is more than training: it is a conceptual approach to strengthening the skills, competences and abilities of nuclear professionals through human resource development, knowledge management and knowledge networks, as well as focused education and training programmes.

The GNSSN platform enables Member States to share information that supports capacity building. Member States can interact through the GNSSN nationally, regionally and globally to share expertise and strengthen their nuclear safety and security infrastructures.



How GNSSN Works

People who cultivate connections and relationships in a wider variety of networking contexts have greater opportunities to learn more, grow professionally and have a bigger impact on safety and security in their own countries.



A LOOK INSIDE GNSSN



Member States Networks

- National Nuclear Regulatory Portal
- National web-based knowledge platforms

Regional Safety Networks

- Arab Network of Nuclear Regulators
- Asian Nuclear Safety Network
- Forum of Nuclear Regulatory Bodies in Africa
- Ibero-American Forum of Radiological and Nuclear Regulatory Agencies
- European and Central Asian Safety Network

Liaison to other regional networks

- European Nuclear Security Regulators Association
- Western European Nuclear Regulators Association

The GNSSN network comprises several IAEA-supported networks. These include global topical networks, such as the International Regulatory Network (RegNet) ; regional networks developed in cooperation with the IAEA, such as the Asian Nuclear Safety Network , the Forum of Nuclear Regulatory Bodies of Africa, the Arab Network of Nuclear Regulators, or the European and Central Asian Safety Network. Member States also provide access to their own national networks via their National Nuclear Regulatory Portals. Additionally, GNSSN provides information about and links to other safety networks such as the Western European Nuclear Regulators’ Association, the European Nuclear safety Regulators Group and the European Technical Safety Organization Group.

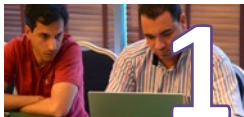


Global Safety and Security Networks

International Regulatory Network

- Forum for Embarking Countries
- Regulatory Cooperation Forum
- WWER Regulators' Forum
- Forum for Senior Regulators of CANDU Reactors
- Global Safety Assessment Network
- Education and Training Network in Nuclear Waste and Radiation Safety
- Technical and Scientific Support Organization Forum
- Occupational Radiation Protection Networks
- Safety and Security Culture Network - *upcoming*
- Emergency Preparedness and Response Network
- Nuclear Security Information Portal
- Platform for Operators in the Area of Nuclear Safety
- Control of Sources Network
- Forum for Safety and Security of Small Medium Reactors
- Global Safety and Security Communication Network
- Small Modular Reactors Regulators' Forum
- Capacity Building Forum - *upcoming*

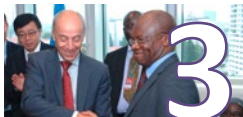
Top 10 Reasons People Join GNSSN



Access information on peer review and advisory services



Collaborate with other experts



Develop partnerships



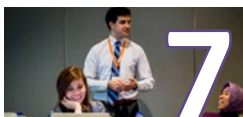
Benefit from workshops and trainings



Help to build the capacity and competences of other GNSSN members



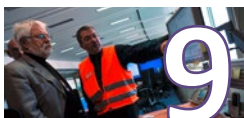
Improve knowledge of nuclear and radiation protection safety and security



Join communities of practice



Share national safety and security infrastructure best practices



Share knowledge, experience and expertise



Strengthen the Global Nuclear Safety and Security Framework

How to Register

Parts of the GNSSN can be accessed by registered users only. To register, go to: <http://gnsn.iaea.org/Pages/UserRegistration.aspx>.



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Global Nuclear Safety and Security Network
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