

# GNSSN IT Updates

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IAEA, VIENNA

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# Presentation Outline

- Background
- GNSSN current IT Strategy
- GNSSN IT operational policies
- GNSSN website public interface
- GNSSN IT platform upcoming entities
- GNSSN IT platform statistics
- GNSSN IT platform future roadmap

# Background

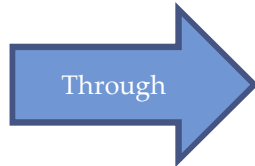
- GNSSN website was initially implemented by GRS, Germany – Microsoft SharePoint technologies.
  - Migrated to the IAEA server infrastructure in 2009-2010.
  - Major transition in 2015 to latest SharePoint 2013 platform.
  - Key features of GNSSN IT platform
    - Public interface (accessible by general public);
    - Restricted interface (for collaboration among respective network members);
    - Centralised IT platform to address national and regional nuclear safety information/knowledge management needs;
    - Catering to 17+ thematic areas.
- More than 12 operational NNRP's



# GNSSN current IT strategy

- Supports GNSSN 3-fold mission of:

- Sharing knowledge and information
- Facilitate multilateral cooperation and coordination
- Building Capacity



Through

- Adapting IT infrastructure to meet the changing needs, approaches and working patterns of the networks hosted under GNSSN;
- Developing and maintaining a knowledge base to planning and delivering of national and regional projects;
- Identifying future technological developments;
- Taking a systematic approach to acquiring, creating, capturing, storing, presenting and managing the GNSSN information resources.

**5. Enablers**  
The realization of the GNSSN strategic goals is enabled by exceptional leadership, high-quality IT, infrastructure and financial capability.

**5.1 People**  
The success in achieving GNSSN strategic goals depends on the outstanding performance and commitment of GNSSN members. It is essential to attract, support, develop and retain the best potential GNSSN members, including work with other across the community to make GNSSN successful.

To meet the aim, we will:

- Attract, retain, develop and coordinate and promote their work
- Develop the knowledge, capabilities and skills of the members
- Encourage a research and training profile in the community
- Be active in the contribution and implementation of the GNSSN projects

We will achieve our objectives by:

- promoting the attractiveness of GNSSN
- providing excellence and success as a 'career of choice'
- maintaining the research, skills and research commitment to be part of GNSSN, by clearly defining the research, objectives to those of the community, broadly across GNSSN
- providing a culture of high performance and excellence, driving an excellent leadership effective management
- providing flexible and regulatory and team working environment
- Continue to develop constructive partnership between all GNSSN stakeholders.

**5.2 IT Infrastructure**  
High-quality IT infrastructure is key to enabling us to achieve the GNSSN strategic goals. It is essential to provide a modern and efficient working and learning environment to realize the GNSSN activities.

To meet the aim, we will:

- ensure consistency and continuity in quality and experience across the GNSSN information technology IT and hardware services
- improve the GNSSN data management
- ensure that the GNSSN environment is used to support learning, knowledge transfer, research and effective decision-making.

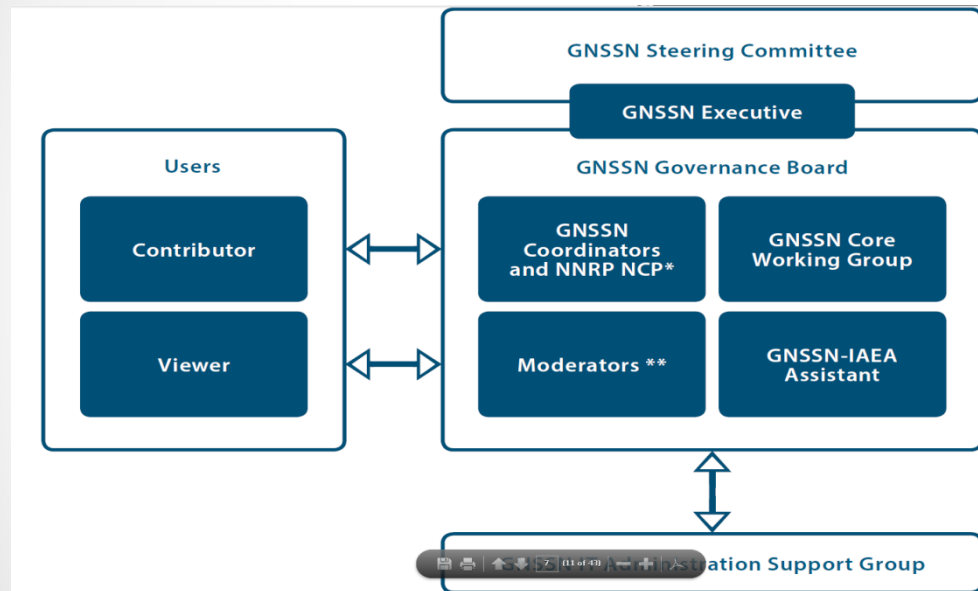
We will achieve our objectives by:

- adapting the IT infrastructure to meet the changing needs, approaches and working patterns of the networks hosted under GNSSN
- encouraging uptake in an approach to planning and delivery of national and regional projects
- developing and maintaining a knowledge base facilitating the access to information resources.

<https://gnssn.iaea.org/main/Documents/Core%20Documents/GNSSN%20STRATEGIC%20PLAN.pdf>

# GNSSN IT Operational Policies

- In line with the GNSSN Strategic Plan, wherein roles and responsibilities are succinctly outlined:



\* As needed  
\*\* If requested

More details about roles and responsibilities are available in the GNSSN Governance Plan at:  
<https://gnssn.iaea.org/main/Documents/Core%20Documents/The%20Global%20Nuclear%20Safety%20and%20Security%20Network%20Governance%20Plan.pdf>

# GNSSN website public interface

- GNSSN public interface restructured in Jan 2015.
  - More consistent layout;
  - User-friendly navigation;
  - Streamline content management across various elements.
- Emphasis on categorizing information resources to be made available to various audiences as knowledge base.
- Layout designed to provide easy accessibility to following elements:
  - Publications
  - Upcoming Events
  - Highlights
  - Videos
  - News



# GNSSN IT platform upcoming entities

- **GNSSCOM** (Global Nuclear Safety and Security Communication Network)
- **EuCAS** (Nuclear Safety Network for Europe and Central Asia)
- **MedNET** (Mediterranean Transport Safety Network)
- **ARTEMIS** (Integrated Review Service for Radioactive Waste and Spent Fuel Management, Decommissioning and Remediation)
- **BPTC** (Basic Professional Training Course)
- **ETReS** (Education and Training Review Services)
- **NSAP** (Nuclear Safety Action Plan)
- **GETR** (Global Education and Training Resources)
- **INSCBP** (Integrated Nuclear Safety Capacity Building Plan)



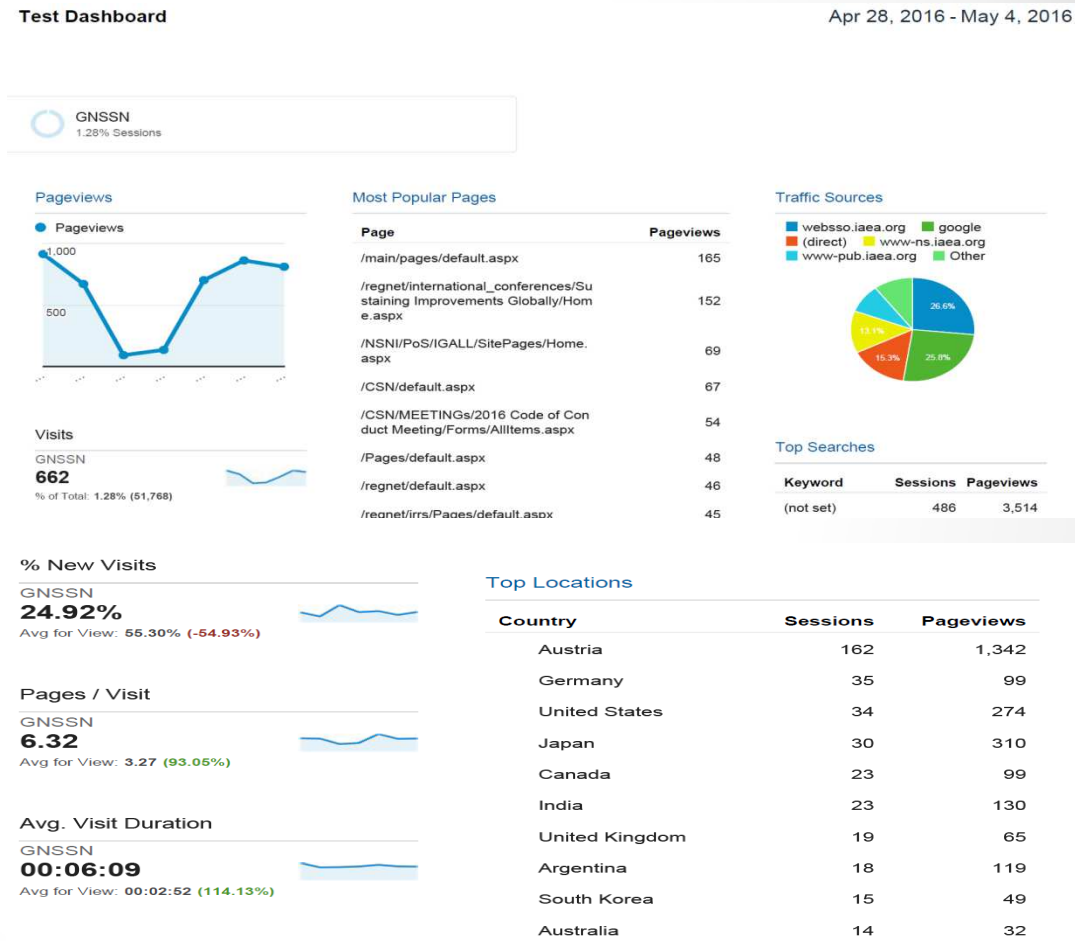
A network for the safe transport of radioactive material has been established to move Competent Authorities in the Mediterranean towards a sustainable system of mutual support, cooperation and coordination in normal and emergency transport of radioactive material. A key aspect of the approach of the network is to promote sustainable transport of radioactive material in the region. This network was established under a project conducted by the IAEA, with funding from the European Union.



2nd Workshop on the Safe Transport of Radioactive Material for Mediterranean Network Countries, Istanbul, TURKEY

# GNSSN IT Platform statistics

- GNSSN weekly analytics are available (as seen in the snapshot);
- Future annual GNSSN progress report would be incorporating part of these statistics;
- Emphasis on increasing the direct access results;
- Outreach material to strongly reflect the GNSSN IT platform achievements;





# GNSSN IT platform future roadmap

- Transformation from information management to knowledge base
  - Tagging of publications, meeting materials and other relevant artefacts pertaining to nuclear safety based on some pre-defined taxonomy;
  - Highlighting relevance of these material based on target audience;
- Promote availability of more information/knowledge base to general public;
- Responsive design of GNSSN IT platform (to adapt to common and popular smart devices and operating systems)
- Readiness to move to cloud;
- Formulation of GNSSN IT Support Group (to ensure ownership and sustainability of the IT platform)

# Thank you ...

