IAEA School on Nuclear and Radiological Leadership for Safety

20th Meeting of the GNSSN,
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(virtual)

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Content

• The IAEA School of Nuclear and Radiological Leadership for Safety:
• School concept and methodology
• GNSSN as a main CB platform for the School's product
What is the School’s concept?

**Audience:** Leadership for **future leaders, junior/mid career professionals**

**Multiple Perspectives:**
- **nuclear** and **radiological safety, security, normal operation** and in **emergencies**,
- operator, user and regulator perspective

**Experiential Learning:** based on real scenarios studied through practical cases, role play, root cause, prevention dialogues, reflection exercises, “games”
Methodology

- experiential learning
- case studies
- group dynamics
- role play
- lectures
Learning Process

Study
Well documented cases studies based on real life scenarios

Reflect
On leadership issues during the scenario

Analyze
By conducting root cause analysis, prevention (how could the issue be avoided? Position play (of each of the main characters in the scenario)

Explain, Experience, Enjoy
Main concepts and theory fundamentals are explained
Senior invitees/facilitators share relevant experience (story telling) The concepts are “experienced” by dynamic activities and games
Maximum learning and knowledge transfer occurs as both facilitators and trainees enjoy engaging in designed games that illustrate the concepts).
The cases are inspired in real life incidents. They are well documented and include pictures, organigrams, timeline of events, letters and roles descriptions.
Cases Study

Some of the **Case Studies** focusing on:

1. Medical Applications
2. Nuclear Power Plants operation
3. Emergency Preparedness and Response
4. Development of the Legislative Framework for Safety
5. Establishment of a Regulatory Body
6. Accidents in other industries
7. Loss of a radioactive source

**Extended to cover safety and security, new cases**
“Tools and Games” Component

Log in/ Log out

Objective: To tune into/out of the day, to recap and reflect on the lessons learnt

Appreciative inquiry

Objective: get to know each other, ice breaking, establishing a positive atmosphere

Emotional thermometer

Objective: to build a picture of the energy v.s. emotional status of the group
Examples of Tools and Games (Cont.)

Master Frogger

**Objective:** To balance quality production/safety, on radiological risks

Safety Path

**Objective** It can be used to illustrate team work and human factors
The School’s programme can range from 2-week to 3 days and can be tailored:

- to national needs,
- to shared regional approach
- 2-3 day demonstrations, for trainers
- 1-week programme
- to delivering in different Agency’s languages, Spanish, English, French
Leadership School in numbers

- 20 Schools
- 400 Participants
- 85 Nationalities
E-support

- A platform for the Leadership developed on the CLP4Net
- A dedicated space for each school is created
  - General information and reference material for the upcoming school
  - Community Forum for registered users – specifically participants and teachers, where they can chat and share experience
  - Facilitators only collaboration space, including teaching materials and notes
  - Access to eLearning walkthroughs of the case studies
  - Assessment tools and questionnaires designed to assess the school and its impact
Further Development Plans

- Further e-Learning development
  - Videos and e-Learning modules
- Refresher course
- Further Alumni engagement
- Translation of the material (already in French and Spanish)

Train-the-trainers programme – increasing of the poll of expert facilitators
International School of Nuclear and Radiological Leadership for Safety

Welcome to the International School of Nuclear and Radiological Leadership for Safety! This School is for junior and middle management professionals from regulatory bodies, licensed operators or users and related organizations who have demonstrated leadership potential through professional achievements.

The goal of the School is to help IAEA Member States gain a better understanding of what leadership for safety means in practice. The focus is on the application of nuclear and radiological safety leadership concepts to real-life situations, through the use of case studies, presentations, exercises, discussions and key note addresses based on IAEA Safety Standards and guidelines.

This is an intensive course, facilitated by senior international experts. Participants will broaden their leadership skills using progressively complex scenarios, through individual study as well as in-class group work and dialogues. An interactive platform for discussion and the sharing of experiences among participants both during and after the School further enhances skill development.

References
- E-learning Prep Material
- E-learning

Community of Practice
- School Community Forum
- Community Forum - Nice
- Community Forum - India
- Community Forum - Russian Federation
- Community Forum - Mexico
- Facilitators Section
- Teaching Material
- Case Question Results Management
- Facilitators Section - Nice
- Facilitators Section - India
- Facilitators Section - Russian Federation
- Facilitators Section - Mexico
- Recent
- Nomination Forms - Indian School 2018
- Satisfaction Survey Russian Federation
- Satisfaction Survey India

Relevant Links
- IAEA website
- GNSSN
- IAEA Safety Standards - General
- IAEA Safety Standards - Publications
- IAEA Department of Nuclear Safety and Security
- Management in Nuclear
- Leadership and management for safety and security
- Emergency Preparedness and Response (EPR)
- IAEA Incident and Emergency Centre (IEC)

Upcoming Schools
- Past Schools
  - St. Petersburg, Russian Federation Demonstration 16-11 July (2 days)

Contact us
- email: LeadershipSchool@iaea.org

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Partnership, Learning, Sustainability

1. Consolidated CB's product to be shared be in GNSSN as the main Capacity Building platform
2. Incorporating lessons and knowledge from the Agency
3. Regional network of training centres or hosts that provide the School in cooperation with the Agency in different languages
4. Link to relevant research and university programmes in Member States
5. Knowledge transfer between countries of the region and interregional facilitated by the GNSSN
Official website

https://www.iaea.org/services/education-and-training/training-courses/international-school-on-nuclear-and-radiological-leadership-for-safety
Some Final Highlights

Leadership for Safety and Capacity Building, globally, are main cross-cutting objectives to be supported throughout the GNSSN.

The Leadership School is a consolidated product that can serve the networks and benefit from them through:

- Providing trainers in the Agency's languages
- Connecting established Training centres, i.e. Mexico, Japan, Nice to share experience
- Sharing lessons learned
Thank you!

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