The IAEA Pilot International School of Nuclear and Radiological Leadership for Safety

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Background

• Leadership for safety recognized as highly important
  – Agency Safety Fundamentals and Standards
  – General Conference Safety Resolutions
  – Lessons learnt from the accident at the Fukusima Daiichi NPP

• The Agency has conducted a number of activities in support of Member States programmes on leadership and management for safety
  – Focus on senior and middle management level
Leadership School

• The International School of Nuclear and Radiological Leadership for Safety aims at young and mid career professionals with leadership potential

• To date, we have had four consultancy meetings with senior experts to develop a draft concept paper as well as the draft syllabus and case studies
Objective

• “The overarching objective of the pilot International School for Nuclear and Radiological Safety Leadership is for early to midcareer professionals to develop their safety leadership potential through a better understanding of what leadership means in practice in nuclear and radiological working environments with their inherent complexities and often competing considerations”

• Broad & holistic approach: looking at nuclear and radiological environments during normal and emergency conditions

• Bottom up support: future leaders recognising their leadership for safety in daily work
Project Team and Partners

- **Multidisciplinary team of internal and external experts**: technical officers specialized in nuclear and radiological safety from the operational and regulatory perspective as well as emergency preparedness and response experts.

- **Technical Lead, H. Rycraft** supported by her team
  - Focus on nuclear Installations
  - Extending the work towards the regulatory perspective, regulators self assessment of culture for safety, **C. Reiersen**
  - Specific challenges in medical and radiological applications, **O. Makarovska and R. Cruz (FORO)**
  - Specific challenges in Emergency Preparedness and Response, **R. de la Vega**
  - Security component

- **Cooperation with, alignment and Integration with other efforts in Nuclear Energy, Pekka Pyy**
  - Parallel and complementary development

- **Coordination and partnership with relevant external partners**: EC, EBP USA, EC, GNSSN, ENEN, NEA, …
Expected Outcomes

• The School will be designed so Individuals attending the course can:
  – an increased understanding of leadership for safety in inherently complex nuclear and radiological environments for both routine and emergency situations;
  – ideas on how to effectively engage and constructively influence others on safety matters;
  – practical illustration of leadership for safety concepts for application to their own frame of reference;
  – an increased ability to effectively address leadership for safety issues;
  – an increased awareness of international standards and requirements in this area;
  – an international perspective through the sharing of knowledge with peers and senior experts; and
  – the development of a career-long international network of peers who are future safety leaders.
Course Concept, Approach.
Programme

• This school is based on experiential learning including a pedagogic progression through the week on the key learning objectives.
  – In line with the IAEA safety standards
  – Complement & closely aligned with other Agency initiatives
  – Case studies simulating real-life scenarios with increasing complexity
The school concept

School of Nuclear & Radiological Leadership for Safety

Operators & Users
Regulators
Nuclear Installations
Radiological Applications
EPR & Security

Learning Variables
Values & Attitudes
Engagement
Setting goals
# Draft Programme

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<tr>
<td><strong>AM</strong></td>
<td><strong>REGISTRATION</strong></td>
<td><strong>Case Study #1</strong></td>
<td><strong>Case Study #3</strong></td>
<td><strong>Case Study #4</strong></td>
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| **Opening Session** | • Welcome  
  • Keynote speaker(s) | • Goal Setting  
  • Medical Use | • Engagement  
  • EPR | • Integrated leadership in complex situations  
  • Assessment, evaluation, and follow-up activities |
| Lunch | **PM** | **Group discussion** | **Group discussion** | **Closing Session** |
| **Presentations** | • GSR Part 2  
  • Leadership for Safety | • Values and attitudes  
  • NPP | • Lessons learned on GSR Part 2 | • Lessons learned  
  • Reflections  
  • Presentation of senior leader  
  • Assessment, evaluation, and follow-up activities |
Case Studies

• Guidance and template developed
  – Setting the scene
  – Description of the challenge
  – Leadership aspects involved
  – Concluding the case

• To date, drafts have been developed
  – Work to finalize them during CS in June
Date and Participants

• Proposed the Pilot School will take place during one working week at end of October 2017
  – Working in cooperation with partners
  – University of Nice

• 15 participants from different countries and professional backgrounds, so as to enrich the dialogues, and maximize the learning experience
Way Forward

- **February-June**: Development of the case studies
- **June**: Final syllabus
- **June**: Participant selection criteria
- **Design of pre study**
- **June**: Dress rehearsal
- **August-September**: Pilot School
- **October**: Lessons Learnt WS
- **Early 2018**
THANK YOU FOR YOUR ATTENTION