

18th ICTP-IAEA Nuclear Knowledge Management School

ICTP, Trieste, Italy
16-20 October 2022
EVT2205149 / SMR3886

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NKM School Aim

The aim of the school is to provide specialized education and training on the development and implementation of nuclear knowledge management programmes.

Target Audience

The school is designed for new and/or young professionals involved in nuclear education and training, knowledge management, and human resources development in the nuclear sector and supporting technologies.

NKM School Objectives

1. To raise participants' awareness of knowledge as a key safety and economic asset in the nuclear sector including the importance of implementing an integrated approach to nuclear knowledge management in their organizations;
2. To review various dimensions of nuclear knowledge management as a key business management tool;
3. To train participants on different knowledge management methodologies and practices; and
4. To provide participants with international educational experience and an opportunity for worldwide networking with current and future managers of nuclear knowledge management programmes.

Day 1: Monday, 16 October

Time	Title	Speaker/Lecturer	Room
08:30 – 09:00	Registration and administration	ICTP/IAEA	
09:00 – 09:15	Opening Session: Welcoming remarks	Mr. Pedro Dieguez Porras, Section Head, Nuclear Knowledge Management Section, IAEA, <i>online</i> Mr. Ralf Kaiser, School Director, ICTP	Budinich Lecture Hall (Leonardo Building)
09:15 – 09:45	Presentation from the Abdus Salam International Centre for Theoretical Physics (ICTP)	Mr. Ralf Kaiser, ICTP	Budinich Lecture Hall (Leonardo Building)
09:45 – 10:15	Introduction of Participants	All participants	Budinich Lecture Hall (Leonardo Building)
10:15 – 10:30	Group photo	All participants and lecturers	Budinich Lecture Hall (Leonardo Building)
10:30 – 11:30	<i>Coffee Break (Extended so that participants may access the bank)</i>		<i>Cafeteria</i>
11:30 – 12:00	NKM School Objectives and Programme Overview, Group Project Work Introduction	Mr. Ian Gordon, Nuclear Knowledge Management Section, IAEA Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
12:00 – 12:45	1.1 Nuclear Knowledge Management as a Business Management Tool	Mr. Ian Gordon, IAEA	Budinich Lecture Hall (Leonardo Building)
12:45 – 14:00	<i>Lunch Break</i>		
14:00 – 14:45	3.1 Definitions and Main Principles of Knowledge Sharing Culture	Ms. Monica Sbaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
14:45 – 15:30	1.2 Planning and Modelling for an NKM Programme	Mr. Ian Gordon, IAEA	Budinich Lecture Hall (Leonardo Building)

15:30 – 15:45	<i>Coffee Break</i>		<i>Cafeteria</i>
15:45 – 16:30	3.2 Importance of Motivation and Communication in NKM	Ms. Monica Sbaffoni IAEA Expert	Budinich Lecture Hall (Leonardo Building)
16:30 – 18:30	Group Project Work & launch of practical exercise	All Students and Lecturers	Budinich Lecture Hall (Leonardo Building)

Day 2: Tuesday, 17 October

Time	Title	Speaker/Lecturer	Room
09:45 – 10:30	3.4 Introduction of the Main Milestones of NKM Implementation	Ms. Monica Scaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
10:30 – 10:45	<i>Coffee Break</i>		<i>Cafeteria</i>
10:45 – 11:30	2.4 Competency Mapping	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
11:30 – 12:45	3.3 Assignment and Description of NKM Roles and Responsibilities	Ms. Monica Scaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
12:45 – 14:00	<i>Lunch Break</i>		
14:00 – 14:45	Practical exercise – Consideration of the highest priority topics in Knowledge Management.	Ms. Monica Scaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
14:45 – 15:00	<i>Coffee Break</i>		<i>Cafeteria</i>
15:00 – 15:45	2.2 Knowledge Capture Methods (Theory)	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
15:45 – 16:45	2.2 Knowledge Capture Methods (Practice)	Mr. Gary Cairns, Ms. Monica Scaffoni, IAEA Experts	Budinich Lecture Hall (Leonardo Building)
16:45 – 18:30	Group Project work	All Students and Lecturers	Budinich Lecture Hall (Leonardo Building)
18:30	<i>Welcome reception – Adriatico Guest House, Terrace</i>		

Day 3: Wednesday, 18 October

Time	Title	Speaker/Lecturer	Room
09:00 – 09:45	1.3 Succession & Talent Management	Mr. Ian Gordon, IAEA	Budinich Lecture Hall (Leonardo Building)
09:45 – 10:30	1.5 Coaching and Mentoring for NKM	Mr. Ian Gordon, IAEA	Budinich Lecture Hall (Leonardo Building)
10:30 – 10:45	<i>Coffee Break</i>		<i>Cafeteria</i>
10:45 – 11:30	Practical exercise – Consideration of highest priority topics (referring to the methods discussed in IAEA Publication NG-T-6.7 - Comparative Analysis of Methods and Tools for Nuclear Knowledge Preservation)	Ms. Monica Scaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
11:30 – 12:45	2.1 NKM Knowledge Loss Risk Assessment (Theory)	Ms. Monica Scaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
12:45 – 14:00	<i>Lunch Break</i>		
14:00 – 14:45	Case Study 2: Applying Risk Assessment and Knowledge Capture with Experts	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
14:45 – 15:00	<i>Coffee Break</i>		<i>Cafeteria</i>
15:00 – 16:00	2.1 NKM Knowledge Loss Risk Assessment (Practice)	Ms. Monica Scaffoni, Mr. Gary Cairns, IAEA Experts	Budinich Lecture Hall (Leonardo Building)
16:00 – 17:30	Tour of ICTP Library and other facilities	ICTP, plus all participants	ICTP Library, etc.

Day 4: Thursday, 19 October

Time	Title	Speaker/Lecturer	Room
09:00 – 10:15	3.5 Indicators for a Comprehensive NKM System (KPIs)	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
10:15 – 11:30	Practical Exercise - Continued	Ms. Monica Scaffoni, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
11:30 – 11:45	<i>Coffee Break</i>		<i>Cafeteria</i>
11:45 – 12:45	3.6 Use and Importance of Lessons Learned and Corrective Action Programmes	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
12:45 – 14:00	<i>Lunch Break</i>		
14:00 – 14:45	2.3 NKM Self-Assessment (Theory)	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
14:45 – 15:45	2.3 NKM Self-Assessment (Practice)	Mr. Gary Cairns, IAEA Expert	Budinich Lecture Hall (Leonardo Building)
15:45 – 16:00	<i>Coffee Break</i>		<i>Cafeteria</i>
16:00 – 18:00	Group Project work	All Students and Lecturers	Budinich Lecture Hall (Leonardo Building)

Day 5: Friday, 20 October

Time	Title	Speaker/Lecturer	Room
09:00 – 09:15	Briefing on the Final Exam	Mr. Ian Gordon, IAEA.	Info Lab
09:20 – 10:20	Final Exam	All participants	Info Lab
10:20 – 11:00	<i>Coffee Break</i>		<i>Cafeteria</i>
11:00 – 12:45	Group Presentations, discussions, and results	All participants and lecturers	Budinich Lecture Hall (Leonardo Building)
12:45 – 13:45	<i>Lunch Break</i>		
13:45 – 14:15	The role of the IAEA – a wider view.	Mr. Ian Gordon, IAEA,	Budinich Lecture Hall (Leonardo Building)
14:15 – 14:45	Survey/feedback discussion with all participants	All participants and lecturers	Info Lab
14:45 – 15:15	Graduation and Distribution of Certificates Ceremony Closing Remarks	Mr. Ian Gordon, IAEA, Mr. Ralf Kaiser, ICTP, All participants and lecturers	Budinich Lecture Hall (Leonardo Building)