

International Conference on Nuclear Knowledge Management and Human Resources Development

1–5 July 2024

PROGRAMME

Organized by the
International Atomic Energy Agency (IAEA)

IAEA Headquarters Vienna, Austria

Programme Committee:

W. Huang, NEPIK
A.D. Cloizeaux, NENP
S. Whan, NPES
P. Dieguez Porras, NKMS
A. Lunikova, NKMS
O. Glöckler, NKMS
V. Shumski, NKMS
A. Kamara, NKMS
T. Jevremovic, NPTDS
H. Subki, NPTDS
V. Michal, NEFW
B. Bales, NIS
D. Schoevaerts, NIDS
T. Reysset, NIDS
M. Moracho, NS
I. Chatzis, NE Communication
M. Neuhold, Conference services
T. Danaher, Conference services
A. Young, Argentina
M.E. Dias Acar, Brazil
J. Sowagi, Canada
Y. Wang, China
M. Hassan, Egypt
K. Daifuku, France
A. Aszodi, Hungary
A. Di Trapani, Italy
Y. Nakano, Japan
Y. Nam, South Korea
G. Bikkulova, Russia
L. Cizelj, Slovenia
J.L. Delgado, Spain
S. Sari, Türkiye
S. Al Mansoori, UAE
A. Delmotte, USA
N. Bonilla, OECD/NEA
G. Pavel, ENEN

IAEA Secretariat:

Scientific Secretaries: P. Dieguez Porras, IAEA
A. Iunikova, IAEA

Administration and Organization: T. Danaher, IAEA

Location of the Event:

International Atomic Energy Agency
Vienna International Centre (VIC)
Building M, BRB/M1

Wagramer Strasse 5
A-1400 Vienna, Austria
Tel.: (+43 1) 2600 21330

Working Language: English

Resolutions: No resolutions may be submitted for consideration on any subject; no votes will be taken.

IAEA Mobile Conference Application



Participants are encouraged to download the “IAEA Conference and Meetings” App available on Google Play and the iTunes Store.

Android



iPhone



The functions and features of the App for smartphones and tablets will be used for various purposes during the event:



View an up-to-date programme



Check floor map of the sessions and exhibitors



Read abstracts and full-papers of speakers



Participate in voting during sessions



Raise questions to speakers during session



Send message to other participants



Receive announcements via push-notification

If you have questions or require assistance on the App, please contact the Registration Desk.

TIMETABLE

Monday, 1 July 2024

Holistic View on Nuclear Energy Policies and Their Impact on NKM & HRD: Global Challenges and National Alternatives

Time	Session No.	Session Title / Break	Venue
08:00–09:30		Arrival/ Registration at Gate 1	
09:30–10:00		Opening Session	M Plenary
10:00–11:00	1	Member States view on NKM & HRD	M Plenary
11:00–11:30		<i>Break</i>	
11:30–12:30	1 cont.	Member States view on NKM & HRD	M Plenary
12:30–14:00		<i>Lunch Break</i>	
14:00–15:30	2	Member States view on NKM & HRD	M Plenary
15:30–16:00		<i>Break</i>	
16:00–17:30		Women in Nuclear IAEA	M Plenary
17:30–18:30		China Side Event	M Plenary
18.30–20:00		Reception	

Tuesday, 2 July 2024

PEOPLE

Develop, Empower, Lead

Time	Session No.	Session Title / Break	Venue
09:00–10:00	3	Keynote session	M Plenary
10:00–11:00	4	Plenary session	M Plenary
11:00–11:30	PS 1	<i>Break E-poster and paper poster session</i>	Coffee corner
11:30–13:00	5.1	Workforce Development for Nuclear Power Projects	M Plenary
	5.2	NKM & HRD in Fusion Organizations	M2
	5.3	Establishing Training Programmes	M3
13:00–14:30		<i>Lunch Break EUROfusion side event</i>	M3
14:30–16:00	6.1	People, Knowledge and Operators	M Plenary
	6.2	Safety and Security Culture, including Capacity Building Aspects for Security	M2
	6.3	Knowledge Transfer	M3
16:00–16:30	PS 2	<i>Break E-poster and paper poster session</i>	Coffee corner
16:30–17:30	PD 1	Moderated panel discussion on Leadership	M Plenary
17:30–18:30		France Side Event	M3

Wednesday, 3 July 2024

TECHNOLOGY

Enabling Innovations and Knowledge

Time	Session No.	Session Title / Break	Venue
09:00–10:00	7	Keynote session	M Plenary
10:00–11:00	8	Plenary session	M Plenary
11:00–11:30	PS 3	<i>Break E-poster and paper poster session</i>	Coffee corner
11:30–13:00	9.1	AI and Large Language Model Supporting HRD & NKM	M Plenary
	9.2	Establishing NKM-HRD programmes	M2
	9.3	NKM & HRD Supporting Nuclear Waste Management and Decommissioning	M3
13:00–14:30		<i>Lunch Break NKM Section side event</i>	M3
14:30–16:00	10.1	Modern Tools in NKM & HRD, Part 1	M Plenary
	10.2	Lessons learned in NKM & HRD Programmes	M2
	10.3	NKM-HRD Aspects of Research Reactors	M3
16:00–16:30	PS 4	<i>Break E-poster and paper poster session</i>	Coffee corner
16:30–17:30	PD 2	Moderated panel discussion on New Technologies	M Plenary
17:30–18:30		Russian Federation Side Event	M3

Thursday, 4 July 2024

ALLIANCES

Engaging Youth Through Global Collaboration

Time	Session No.	Session Title / Break	Venue
09:00–10:00	11	Keynote session	M Plenary
10:00–11:00	12	Plenary session	M Plenary
11:00–11:30	PS 5	<i>Break E-poster and paper poster session</i>	Coffee corner
11:30–13:00	13.1	University Education for Nuclear	M Plenary
	13.2	Education Networks	M2
	13.3	Attracting Young Generation	M3
13:00–14:30		<i>Lunch Break IAEA TCAP Side Event</i>	M3
14:30–16:00	14.1	University Education for Nuclear	M Plenary
	14.2	Communities of Practice	M2
	14.3	Outreach Education Programmes	M3
16:00–16:30	PS 6	<i>Break E-poster and paper poster session</i>	Coffee corner
16:30–17:30	PD 3	Moderated panel discussion on Global Alliances between Education and Industry	M Plenary
17:30–18:30		ENEN Side Event	M3

Friday, 5 July 2024

SUSTAINABILITY

Looking Forward, Resilience and Progress

Time	Session No.	Session Title / Break	Venue
09:00–10:00	15	Keynote session	M Plenary
10:00–11:00	16	Moderated panel discussion on Sustainable Stakeholder Engagement	M Plenary
11:00–11:30	PS 7	<i>Break E-poster and paper poster session</i>	Coffee corner
11:30–13:00	17.1	NKM & HRD Aspects of newbuilds and supporting research	M Plenary
	17.2	Capacity Building for Safety and Security Including NKM & HRD Issues for Regulators and their Licenses	M2
	17.3	Education & Training for Nuclear	M3
13:00–14:30		<i>Lunch Break IAEA Side Event Followed by Technical Tour (optional)</i>	M3
14:30–16:00	18.1	Empowering healthcare through NKM & HRD	M Plenary
	18.2	NKM and HRD considerations in the development of SMR technologies and their applications	M2
	18.3	Modern tools in NKM & HRD, Part 2	M3
16:00–16:30		Closing Session	M Plenary

MONDAY, 1 JULY 2024

09:30–10:00 OPENING SESSION

M Plenary

Name	Designating Member State/ Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
Rafael Mariano Grossi	Director General, IAEA	Opening address
Elsie Pule	President of the Conference, HR Executive, Eskom Holdings SOC Ltd, South Africa	Opening remarks
Mitsuru Uesaka	Vice-President of the Conference, Chairperson, JAEC, Japan	
Kim Pringle	Vice-President of the Conference, Director of Human Capacity Building, King Abdullah City for Atomic and Renewable Energy, Saudi Arabia	

MONDAY, 1 JULY 2024

**Holistic View on Nuclear Energy Policies and
Their Impact on NKM & HRD:
Global Challenges and National Alternatives**

14:00–15:30

**SESSION 2:
Member States' views on NKM & HRD**

M Plenary

**Chairpersons: E. Pule, South Africa
K. Pringle, Saudi Arabia
M. Uesaka, Japan**

Time	Name	Designating Member State/ Organization	Title
14:00–14:15	R. Griljov	Paks II Nuclear Power Plant Development Company, Hungary	Managing Director
14:15–14:30	K. Pringle	K.A. CARE, Saudi Arabia	Director of Human Capacity Building
14:30–14:45	E. Pule	Eskom Holdings SOC Ltd, South Africa	HR Executive and Conference President
14:45–15:00	A. Al Mur	FANR, UAE	Human Resource Director
15:00–15:15	A. Duncan	Department of Energy, USA	Deputy Assistant Secretary for International Nuclear Energy Policy and Cooperation
15:15–15:30			
15:30–16:00	<i>Break</i>		

MONDAY, 1 JULY 2024

16:00–17:30 **WOMEN IN NUCLEAR IAEA:** **M Plenary**
“Strategies for Retention and Career Development”

Moderator: **J. Donner, President, WIn IAEA**

Opening statement: **M. Chudakov, Deputy Director General, Director of the Department of Nuclear Energy, IAEA**

Panelists	Designating Member State/ Organization	Title
E. Pule	Eskom Holdings SOC Ltd, South Africa	HR Executive
K. Pringle	K.A. CARE, Saudi Arabia	Director of Human Capacity Building
D. Kgomo	Nuclear Regulators for Gender Equity (NRGE)	Co-Chair
A. Des Cloizeaux	IAEA	Director of Division of Nuclear Power, IAEA Nuclear Energy Department
C. Thomas	Thomas Thor, UK	Founder and CEO
K. V. Ket	ProSTEM challenge winner: video presentation of STREAM-clusive project	

Closing statement: **W. Huang, Director of Nuclear Energy Planning, Information and Knowledge Management, Department of Nuclear Energy, IAEA**

17:30–18:30 **MEMBER STATE SIDE EVENT** **M Plenary**

“Nuclear Energy Development and sustainable development of nuclear talent in China”

Hosted by China

18:30–20:00 **IAEA WELCOME RECEPTION** **M-building ground floor**

TUESDAY, 2 JULY 2024

PEOPLE

Develop, Empower, Lead

09:00–10:00 KEYNOTE SESSION 3

M Plenary

Chairperson: W. Huang, IAEA

Time	Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
09:00–09:20	J. Isotalo	Vice President, TVO, Finland	Nuclear Professionalism, case Olkiluoto
09:20–09:40	T. Ivanova	Head of the Division of Nuclear Science and Education, NEA	Advancing Nuclear Training and Education to Meet the Energy Demand
09:40–10:00	C. Yang	Deputy Chief Economic Officer and Chief Human Resource Officer, CNNC, China	China National Nuclear Corporation's Innovative Practices in Human Resource Management: Human Resource Management System Standards and Quantitative Appraisal Method for Management Departments to Share China's Best Practice on HRD

10:00–11:00 PLENARY SESSION 4

M Plenary

Chairperson: W. Huang, IAEA

Time	Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
10:00–10:20	M. Uesaka	Chairperson, JAEC, Japan	Professional Engineers for Nuclear Knowledge Management
10:20–10:40	J. Uzhakina	Director General, Rosatom Corporate Academy, Russian Federation	Corporate Universities for the Nuclear Industry: Educating Leaders and Developing the Corporate Culture
10:40–11:00	J. Dies	Commissioner, Nuclear Safety Council, Spain	Good Practices for Developing Nuclear Skills, HRD and NKM in the Nuclear Sector and in the Nuclear Regulatory Body

11:00–11:30 Break

*E-poster and paper poster session (PS1):
Nuclear Education and Collaboration*

TUESDAY, 2 JULY 2024

11:30–13:00 **SESSION 5.1:**
Workforce Development for New Nuclear Power
Projects

M Plenary

Chairperson: **J. Gadano, Argentina**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	450	D. Tucker	Canada	Developing a National Nuclear Workforce Development Framework in Canada
11:45–12:00	263	D. Podoliakin	Russian Federation	Personnel training for First NPP in Country
12:00–12:15	113	S. Pleslic	Croatia	Opportunities and Challenges in the Development of National Nuclear Knowledge Management Programme
12:15–12:30	338	F. Ruiz	USA	Knowledge Management and the Global Competency Model at Westinghouse
12:30–12:45	429	J. Gustafsson	Sweden	From Strategic to Operational Competence Planning and Processes
12:45–13:00	Q&A			

13:00–14:30 *Lunch Break*

EUROfusion side event: NKM best practices in fusion

TUESDAY, 2 JULY 2024

11:30–13:00 **SESSION 5.2:**
NKM-HRD in Fusion Organizations

M2

Chairperson: **R. Kamendje, EUROfusion**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:40		R. Kamendje	EUROfusion	The Current Nuclear Fusion Landscape
11:40–12:05	112	E. Belonohy	EUROfusion	The EUROfusion Knowledge Management and Human Resource Development Strategy
12:05–12:30		K. Carr	UKAEA, UK	Knowledge Management Strategy within the UK Atomic Energy Authority
12:30–12:55		P. Mahedero	ITER strategy	Strategies for Bridging the Generational Gap: Capturing Tacit Knowledge
12:55–13:00	Q&A			
13:00–14:30	<i>Lunch Break</i> <i>EUROfusion side event: NKM best practices in fusion</i>			

TUESDAY, 2 JULY 2024

11:30–13:00 **SESSION 5.3:**
Establishing Training Programmes

M3

Chairperson: **G. Bikkulova, Russian Federation**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	153	H. Elsayed	Egypt	Implementation of Nuclear Knowledge Management Program on a New Nuclear Facility
11:45–12:00	249	A. Sa'id	Nigeria	Nuclear Knowledge Management: The Role of Centre for Energy Research and Training Zaria, in Education and Training of a Nuclear Workforce
12:00–12:15	258	E. Bologov	Russian Federation	Rosatom Technical Academy Experience of Organizing Training Events under the IAEA's Technical Cooperation Programme
12:15–12:30	316	T. Gelo	Croatia	Importance of Education and Training in Operation of a Nuclear Power Plant Krško
12:30–12:45	280	E. Bologov	Russian Federation	Practice-oriented Training of Foreign Specialists In Nuclear Security at the Rosatom Technical Academy
12:45–13:00	229	Y. Wang	China	Talent Cultivation for Global Nuclear Energy Development: Contributions and Practices from China
13:00–14:30	<i>Lunch Break</i> <i>EUROfusion side event: NKM best practices in fusion</i>			

TUESDAY, 2 JULY 2024

14:30–16:00 **SESSION 6.1:**
People, Knowledge and Operators

M Plenary

Chairperson: **K. Mrabit, Morocco**

Time	Paper No.	Name	Designating Member State/ Organization	Title of Paper
14:30–14:45	298	I. Cvetkov	Bulgaria	Approach to Identify and Manage Critical Knowledge at Kozloduy NPP
14:45–15:00	454/ 455	G. Chen / X. Liu	China	Talent and Workforce Development Strategy in Sanmen NPP
15:00–15:15	260	Z. Bacs	Russian Federation	Multi-step NKM and HRD Process in the Paks 2 Project
15:15–15:30	257	V. Mitinskaya	Russian Federation	Intercultural Communications as an Element of NKM: Language Barriers and Ways to Overcome Them
15:30–15:45	227	M. Ono	Japan	Hitachi-GE Nuclear Energy, Ltd.'s Nuclear Knowledge Management for Transferring Technical Knowledge to Next Generation
15:45–16:00	9	P. Lopez	Argentina	Knowledge Loss Risk Analysis: Recognizing the Criticality of People's Abilities and Skills
16:00–16:30	<i>Break</i>			
	<i>E-poster and paper poster session (PS2): Capacity building and knowledge preservation in the nuclear sector</i>			

TUESDAY, 2 JULY 2024

14:30–16:00 **SESSION 6.2:**
Safety and Security Culture, including Capacity
Building Aspects for Security

M2

Chairperson: **H. Looney, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45		M. Moracho	IAEA	The International School of Nuclear and Radiological Leadership for Safety
14:45–15:00	129	J. Repussard	France	Leadership for Safety Education: a Key to Successful Integrated Management and Safety Culture Enhancement
15:00–15:15	225	T. Marfak	Morocco	Leadership and Culture for Safety and Security Basis of Regulatory Capacity Building: AMSSNuR Experience and Lessons Learned
15:15–15:30	172	M. Gant	USA	Nuclear Materials Integration Division's Best Practices and Lessons Learned in Nuclear Knowledge Management
15:30–15:45	78	A. Kuye	Nigeria	Nuclear Security Education and Training Capacity Development at the University of Port Harcourt: Outcomes and Prospects
15:45–16:00	52	D. H. Nugroh	Indonesia	Strengthening the Knowledge Management Enabler in Nuclear Computer Security Planning Response Actions of Nearly Autonomous NPP through Hidden Markov Model

16:00–16:30 *Break*

E-poster and paper poster session (PS2):

Capacity building and knowledge preservation in the nuclear sector

TUESDAY, 2 JULY 2024

14:30–16:00 **SESSION 6.3:**
Knowledge transfer

M3

Chairperson: **O. Glöckler, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	178	O. D. Balthazard	France	Know-How Transfer Method
14:45–15:00	277	K.S. Kang	Republic of Korea	Implementation of Mentoring Programme to Facilitate Knowledge Management and Transfer
15:00–15:15	376	E. Zege	Ethiopia	The Challenge of Knowledge Management for Preserving Radiation Protection Capabilities in Ethiopia Technology Authority
15:15–15:30	217	C. Bright	UK	The Role of Knowledge Management in the Development and Deployment of Innovation in the Nuclear Sector
15:30–15:45	427	G. Balhamar	UAE	Irshaad Youth Program
15:45–16:00		M. Ovanes	IAEA	Critical Knowledge Capture and Transfer
16:00–16:30	<i>Break</i>			
	<i>E-poster and paper poster session (PS2): Capacity building and knowledge preservation in the nuclear sector</i>			

TUESDAY, 2 JULY 2024

16:30–17:30 **MODERATED PANEL DISCUSSION 1:
Leadership and Retaining the Knowledge Base in a
Rapidly Changing Nuclear Landscape**

M Plenary

Moderator: **L. Lande, IAEA**

Keynote: **A. Duncan, USA**

Name	Designating Member State/ Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
W. Ndubai	Kenya	Director for Strategy & Planning, NuPEA
G. Bikkulova	Russian Federation	Deputy Director General, Rosatom Corporate Academy
K. Pringle	K.A. CARE, Saudi Arabia	Director of Human Capacity Building
A. Al Mur	FANR, UAE	Human Resource Director
P. Dieguez Porras	IAEA	Section Head, Nuclear Knowledge Management Section, Department of Nuclear Energy

17:30–18:30 **Member State Side Event:
International Mobility, hosted by France**

M3

WEDNESDAY, 3 JULY 2024

TECHNOLOGY

Enabling Innovations and Knowledge

09:00–10:00 KEYNOTE SESSION 7

M Plenary

Chairperson: P. Dieguez Porras, IAEA

Time	Name	Designating Member State/ Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
09:00–09:20	V. Maguis	Head of Knowledge Capitalisation Department and Knowledge Management Officer, ANDRA France	Technology: Enabling, Innovations and Knowledge
09:20–09:40	C.-L. Kim	Acting President of KEPCO International Nuclear Graduate School (KINGS), Republic of Korea	Experience of KINGS as a World Leading Nuclear HRD Institution
09:40–10:00	J. Sowagi	Director, Information Exchange, CANDU Owners Group Inc., Canada	Developing Nuclear Talent: A Strategic Approach to Tackling Workforce Challenges in the Nuclear Power Industry through Training

10:00–11:00 PLENARY SESSION 8

M Plenary

Chairperson: P. Dieguez Porras, IAEA

Time	Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
10:00–10:20	L. O' Brien	National Nuclear Laboratory, UK	The Application of AI to Support Sustainable Nuclear Technology Development
10:20–10:40	V. Richet	Head of Digital, ASSYSTEM STUP, France	CurieLM: A Generative AI for Smart Knowledge Management in the Nuclear Industry
10:40–11:00	J. Reger	Technology Advisor, Former Chief Technology Officer of Fujitsu Europe (retired), Germany	What if AI is not Intelligent?
11:00–11:30	<i>Break</i>		<i>E-poster and paper poster session (PS3): Innovative methods and tools in NKM and workforce development</i>

WEDNESDAY, 3 JULY 2024

11:30–13:00 **SESSION 9.1:**
AI and Large Language Model supporting
HRD and NKM

M Plenary

Chairperson: **P. Kertys, Slovakia**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	347	A. C. Lopez	Spain	AP1000/AP300 Design Training Model and Staffing Optimization
11:45–12:00	412	S. Johnstone/ D. Rourke	UK	Revolutionising Nuclear Decommissioning with AI-enhanced KM: A Real-World Case Study
12:00–12:15	174	Z. Li, J. Qiu	China	From Documents to Knowledge: Research on the Application of AI Technology in Documents Knowledge Mining of Nuclear Power Plant: A Case Study of Fuqing NPP in China
12:15–12:30	180	L. A. Piciaccia	Norway	The Impact of Generative AI in NKM and HRD: Operational Nuclear Knowledge Enhancement and Management for New and Expert Users
12:30–12:45	364	V. Tsygoda	Russian Federation	The Synergy of Data-Centric and Human-Centric Approaches within Application of Ai Technologies for NPP Digital Modelling
12:45–13:00	394	J. Porsmir	Norway	Innovative Digital Approach to Nuclear Fostering Education, Knowledge Management, and Workforce Development
13:00–14:30	<i>Lunch Break</i> <i>IAEA NKM Section side event</i>			

WEDNESDAY, 3 JULY 2024

11:30–13:00 **SESSION 9.2:**
Establishing NKM-HRD programmes

M2

Chairperson: J. Sowagi, Canada

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	325	D. Nyarko	Ghana	Knowledge Management in a Newcomer Country: The Case Study of Ghana
11:45–12:00	55	Z. Tomsic	Croatia	Critical Mass of Experts Required for a National Sustainable Nuclear Buildup – Croatian Case Study
12:00–12:15	304	S. Gezer	Türkiye	The Nuclear Knowledge Management Necessity for Sustainable Energy Development
12:15–12:30	395	P. Carbol	European Commission	Lessons Learned of Knowledge Management Activities in EURAD and PREDIS
12:30–12:45	438	S. Monti	European Nuclear Society	Ensuring Sustainable Nuclear Workforce Development in Europe and Beyond
12:45–13:00	Q&A			
13:00–14:30	<i>Lunch Break</i>			
	<i>IAEA NKM Section side event</i>			

WEDNESDAY, 3 JULY 2024

11:30–13:00 **SESSION 9.3:**
NKM-HRD supporting nuclear waste management and decommissioning

M3

Chairperson: **V. Michal**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	255	A. Piagentini	European Commission	EU Nuclear Decommissioning Knowledge Management Initiative
11:45–12:00	409	D.C. Invernizzi	UK	How Can a Connectivism-Based Approach Enhance Adult Learning and KM in Nuclear Decommissioning?
12:00–12:15	62	G. F. Puglia	Argentina	NKM Implementation as a Foundation Stone in a Decommissioning Plan
12:15–12:30	234	A. Valls	Spain	Transferring Knowledge of New LILW Pre-disposal Practices via Case Studies from the Euratom PREDIS Project
12:30–12:45	210	F. Puyade	France	Andra's Innovative Forward-Looking HR Approach for Cigéo Construction Phase
12:45–13:00	224	M. Akpanowo	Nigeria	The Challenges and Prospects of Human Resource Development and Nuclear Knowledge Management in the Nigerian Nuclear Regulatory Authority
13:00–14:30	<i>Lunch Break</i> <i>IAEA NKM Section side event</i>			

WEDNESDAY, 3 JULY 2024

14:30–16:00 **SESSION 10.1:**
Modern tools in NKM and HRD, Part 1

M Plenary

Chairperson: **A. Di Trapani, Italy**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	254	F. Lemont	France	INVICTUS: A Shared Multimodal Project Serving Human Resources Development.
14:45–15:00	261	P. Terry	USA	Improving Nuclear Industry Efficiency Through Neuroeducation and Neuroleadership
15:00–15:15	322	A. C. Lopez	Spain	NEXA: Digitalization. Blended Training Approach. Standardization of Curriculum
15:15–15:30	425	G. Balhamar	UAE	E-learning Onboarding Program: "Iqrah W Ta'alam"
15:30–15:45	360	O. Karmishina	Russian Federation	Digital HR Solutions for Nuclear Industry
15:45–16:00	Q&A			
16:00–16:30	Break			
				E-poster and paper poster session (PS3): Leveraging Nuclear Knowledge Management to Foster Innovations

WEDNESDAY, 3 JULY 2024

14:30–16:00 **SESSION 10.2:**
Lessons learned in NKM-HRD programmes

M2

Chairperson: C. Chevreau, France

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	15	M. Simonyan	Armenia	Knowledge Management and Human Resource Development at Nuclear and Radiation Safety Center
14:45–15:00	45	D. Lima	Brazil	Capabilities in Nuclear Sciences and Business Management: Combining Performance, Practices and Organizational Resources at the National Nuclear Energy Commission (CNEN) of Brazil for Promoting Innovation
15:00–15:15	390	L. I. Pérez	European Commission	The Foresight Strategy Applied to the Nuclear Knowledge Management
15:15–15:30	386	B. Eriksen	European Commission	European Human Resources Observatory in the Nuclear Field – A Status Update
15:30–15:45	320	G. Hoefler	Germany	KM Concepts and Approaches in the German Waste Management Organisation (BGE)
15:45–16:00	Q&A			
16:00–16:30	<i>Break</i>			
				E-poster and paper poster session (PS3): Leveraging Nuclear Knowledge Management to Foster Innovations

WEDNESDAY, 3 JULY 2024

14:30–16:00 **SESSION 10.3:**
NKM-HRD Aspects of Research Reactors

M3

Chairpersons: **P. Chakrov (IAEA)**

A. Shokr (IAEA)

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45		P. Chakrov A. Shokr	IAEA	Knowledge Management and Human Resources Development for Research Reactors: IAEA Support to Member States
14:45–15:00	25	U. Adam	Nigeria	An Assessment of the Risk of Nuclear Knowledge Loss at the Nigerian Research Reactor Facility
15:00–15:15	102	N. Jahan	Bangladesh	National Status of Nuclear Knowledge Management and Human Resource Development of BAEC TRIGA Research Reactor (BTRR)
15:15–15:30	396	A. Zuñiga	Peru	Knowledge Management at Nuclear Reactor División in RP10
15:30–15:45		TBC	RIALC	Regional Network of Research Reactors and Related Institutions in Latin America (RIALC)
15:45–16:00	58	S. Elmorshedy	Egypt	Nuclear Knowledge Management System for Egypt Research Reactors
16:00–16:30	<i>Break</i>			
E-poster and paper poster session (PS3): Leveraging Nuclear Knowledge Management to Foster Innovations				

WEDNESDAY, 3 JULY 2024

**16:30–17:30 MODARATED PANEL DISCUSSION 2:
New Technologies, People and Organizations.
Who Shapes Whom?**

M Plenary

Moderator: J. Reger, Germany

Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
V. Richet	ASSYSTEM STUP, France	Head of Digital
P. Terry	Westinghouse Electric Company LLC, USA	Manager, Skills and Proficiency
N. Ngoy Kubelwa	IAEA	Nuclear Engineer (Instrumentation and Control Systems)
L. O'Brien	National Nuclear Laboratory, United Kingdom	Laboratory Fellow
P. Kertys	Slovenské Elektrárne, Slovakia	Head of Data Science
17:30–18:30	Member State Side Event	
	Nuclear Education Technologies for the Net Zero Future: Rosatom Approach, hosted by the State Atomic Energy Corporation Rosatom, Russian Federation	M Plenary

THURSDAY, 4 JULY 2024

ALLIANCES

Engaging Youth through Global Collaboration

09:00–10:00 KEYNOTE SESSION 11

M Plenary

Chairperson: A. Iunikova, IAEA

Time	Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
09:00–09:20	E. Pule	Eskom Holdings SOC Ltd, South Africa	Attracting Young Generations
09:20–09:40	A. Aszodi	Budapest University of Technology and Economics, Hungary	Can the nuclear industry really attract young people?
09:40–10:00	Y. Kiyonobu	JAIF International Cooperation Center, Japan	Japanese Experience on HRKD Network

10:00–11:00 PLENARY SESSION 12

M Plenary

Chairperson: A. Iunikova, IAEA

Time	Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
10:00–10:20	K. Madden	IAEA	Empowering the Next Generation
10:20–10:40	E. Rakhmankina	Rosatom	Human-centric Approach to HR in Rosatom
10:40–11:00	C. Pesznyak	ENEN	ENEN2plus - building European Nuclear Competence through Continuous Advanced and Structured E&T Actions

11:00–11:30 Break

*E-poster and paper poster session (PS5):
Nuclear Education and Collaboration*

THURSDAY, 4 JULY 2024

11:30–13:00 **SESSION 13.1:**
University Education for Nuclear

M Plenary

Chairperson: R. GARBIL, EURATOM

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	407	A. Abdelouas	France	The SARENA Program: Education in Nuclear Engineering within an European Mobility Scheme – Feedback from Experience and Future Perspectives
11:45–12:00	177	C. Kwisanga	Rwanda	Establishing Nuclear and Radiological Science Educational Programmes in Rwanda: Challenges and Opportunities
12:00–12:15	357	E. Nagibina V. Karezin	Russian Federation	ROSATOM International Education Network
12:15–12:30	333	L. Cizelj	Slovenia	Mobility in the Development of Nuclear Talents: why and how
12:30–12:45	46	Y. Nara	Japan	Fostering Nuclear Professionals and Inspiring the Younger Generation by JAEA: Good Practices in Japan and Asian Countries
12:45–13:00	373	A. Tkaczyk	Estonia	Development of a Nuclear Education Strategy to Meet Human Resource Needs in Estonia
13:00–14:30	<i>Lunch Break</i> IAEA Side Event: Linking Nuclear Science and Technology into Secondary Education in Asia and Pacific, hosted by TCAP			M3

THURSDAY, 4 JULY 2024

11:30–13:00 **SESSION 13.2:**
Education Networks

M2

Chairperson: **M. Hassan, Egypt**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	269	G. L. Pavel	ENEN	ENEN's Contribution to the Creation of a Competent Nuclear Workforce
11:45–12:00	29	A. Kosilov	STAR-NET	STAR-NET Continues to Build Competencies on Peaceful Application of Nuclear Technology
12:00–12:15	404	S. Ariyanto	Indonesia	ANENT's 20 Years of Learning and Sharing Nuclear Knowledge: A Historic Milestone
12:15–12:30	393	I. Abdul	Malaysia	The International Nuclear Science and Technology Academy (INSTA): A New Initiative in Supporting Regional Nuclear Knowledge Management and Human Resource Development
12:30–12:45		K. Pavlova	IAEA	Introduction of the Global Nuclear Safety and Security Network (GNSSN): Achievements, Results and Perspectives
12:45–13:00	444	N. Hashim	Kenya	The African Network on Education in Nuclear Science and Technology - AFRA-NEST
13:00–14:30	<i>Lunch Break</i>			
	IAEA Side Event: Linking Nuclear Science and Technology into Secondary Education in Asia and Pacific, hosted by TCAP			M3

THURSDAY, 4 JULY 2024

11:30–13:00 **SESSION 13.3:**
Attracting young Generation

M3

Chairperson: E. Pule, South Africa

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	382	M. Coeck	Belgium	Tabloo: Informing Pupils, Students and the Public about Nuclear Science and Technology
11:45–12:00	134	N. Velichkova	Bulgaria	Growing the Next Generation Nuclear Talents in Bulgaria
12:00–12:15	242	T. Kita	Japan	Empowering Japan's Nuclear Future: Strategic Initiatives in Talent Acquisition and Development for the Nuclear Industry
12:15–12:25	399	J. Najder K. Madden	ENS IAEA	Impact of the Role of Nuclear Energy in Climate Topics on Attraction and Retention of Talents in Nuclear Sector
12:30–12:45	411	V. Barrins	Australia	General Manager People
12:45–13:00	Delivery of proSTEM Challenge results			
13:00–14:30	<i>Lunch Break</i> IAEA Side Event: Linking Nuclear Science and Technology into Secondary Education in Asia and Pacific, hosted by TCAP			M3

THURSDAY, 4 JULY 2024

14:30–16:00 **SESSION 14.1:**
University Education for Nuclear

M Plenary

Chairperson: **A. Aszodi, Hungary**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	92	P. Petkov	Bulgaria	Challenges in Development of Nuclear Technology Management Education Programme in Sofia University “St. Kliment Ohridski”
14:45–15:00	452	T. Hooker	Australia	Nuclear Education and Knowledge Management Activities at the University of Adelaide, Australia
15:00–15:15	370	M. Szieberth	Hungary	Lessons Learned from Nuclear Technology Management Education at BME and Future Development Plans
15:15–15:30	40	E. Kulikov	Russian Federation	Experience in Implementation of INMA Nuclear Technology Management Master’s Program at National Research Nuclear University MEPhI +Course for University Master’s Level Programmes
15:30–15:45	443	I. Charit	USA	The INMA-endorsed Nuclear Technology Management Program at the University of Idaho
15:45–16:00	214	M. Gladyshev	IAEA	Fostering the Next Generation of Nuclear Energy Sustainability Champions
16:00–16:30	<i>Break</i>			
	<i>E-posters and paper poster session (PS6): Outreach and nuclear science</i>			

THURSDAY, 4 JULY 2024

14:30–16:00 **SESSION 14.2:**
Communities of Practice

M2

Chairperson: **M. Rolleaux Dugage, France**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	167	C. Chevreau	France	NKM: Fostering a Sustainable Culture of Nuclear Knowledge Sharing through Standardized, Efficient, Active, and Impactful Nuclear Communities of Practice
14:45–15:00	387	C. Regnaud	France	How EDF corporate services invest on people through a new governance, focused on core business, to develop and promote knowledge and skills sharing among the nuclear fleet
15:00–15:15	324	H. Malik	UK	Enabling Tacit Knowledge Transfer through Communities of Practices and Retention of Critical Knowledge in NWS
15:15–15:30	384	A. Seibert	European Commission	A European Perspective - The Nuclear Research Infrastructures Open Access Scheme of the Joint Research Centre (JRC) at the European Commission – Contributions to Education, Training, Mobility and Scientific Excellence
15:30–15:45	146	C. Schönfelder	ENEN	NUCLEATION – a Community of Practice on Vocational Training in Nuclear Domains
15:45–16:00		A. Ganesan	IAEA	Introduction to IAEA TECDOC on Communities of Practice
16:00–16:30	<i>Break</i>			
	<i>E-posters and paper poster session (PS6): Outreach and nuclear science</i>			

THURSDAY, 4 JULY 2024

14:30–16:00 **SESSION 14.3:**
Outreach Education Programmes

M3

Chairperson: **I. Abdul Rahman, Malaysia**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	401	F. Cantargi	Argentina	CEATEN: the Postgraduate Course that Brings Nuclear Knowledge to Professionals from all Branches of Science and Engineering
14:45–15:00	281	M. Coeck	Belgium	Nuclear Competence Building by the Belgian SCK CEN Academy
15:00–15:15	310	Z. J. Belmonte	Philippines	Examining Key Factors Shaping Youth's Intentions in Pursuing Nuclear-Related Courses: Attitude Analysis for Workforce Sustainability
15:15–15:30	319	E. Rakhmankina	Russian Federation	System of Attracting and Development Scientific Personnel for Advanced Technology
15:30–15:45	272	M. Al'Azri	Oman	Inaugural International Nuclear Science Olympiad: Fostering Excellence in Youth Education
15:45–16:00	173	H. Adnan	Malaysia	Building a Sustainable Nuclear Workforce: Strengthening the Foundation through National Curricula
16:00–16:30	<i>Break</i>			
<i>E-posters and paper poster session (PS6): Outreach and nuclear science</i>				

THURSDAY, 4 JULY 2024

16:30–17:30 **MODERATED PANEL DISCUSSION 3:**
Global Alliances between Education and Industry

M Plenary

Moderator: J. Sowagi, Canada

Name	Designating Member State/ Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
M. Rolleaux Dugage	France	Consultant, MOPSOS
H. Malik	UK	Knowledge Lead Partner, Information Security and Governance, Nuclear Waste Services
Y. Wang	China	Vice President, Nuclear Industry College of the China National Nuclear Corporation
L.Cizelj	Slovenia	Professor, Researcher and Consultant in Nuclear Engineering, Jožef Stefan Institute, University of Ljubljana, Faculty of Mathematics and Physics
17:30–18:30	Side Event The European Networking Effect: Enhancing Nuclear Competence Through Collaboration, hosted by ENEN	M3

FRIDAY, 5 JULY 2024

SUSTAINABILITY

Looking Forward, Resilience and Progress

09:00–10:00 KEYNOTE SESSION 15

M Plenary

Chairperson: I. Chatzis, IAEA

Time	Name	Designating Member State/ Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
09:00–09:20	J. Gadano	Vice President of NASA, Argentina	The Challenges for Capacity Building in Human Resources in the Face of the New Nuclear Renaissance and New Technologies. Are We Up to the Task?
09:20–09:40	G. Bikkulova	Rosatom Corporate Academy, Russian Federation	Nuclear Corporate Development for Sustainability
09:40–10:00	K. Mrabit	President of PAM Parliamentary Group at the House of Councillors	Human Resource Development for Nuclear and Radiological Safety and Security: A National Strategy for Education and Training

10:00–11:00 MODERATED PANEL DISCUSSION 4:
Sustainable Stakeholder Engagement in Nuclear Programmes

M Plenary

Moderator: I. Chatzis, IAEA

Name	Designating Member State/Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
A. Aszodi	Institute of Nuclear Techniques, Budapest University of Technology and Economics, Hungary	Dean, Professor
W. Ndubai	NuPEA, Kenya	Director for Strategy and Planning
V. Kulmala	TVO, Finland	Communication Expert
H. Adnan	Malaysian Nuclear Agency, Malaysia	Director of the Information Management Division
11:00–11:30	<i>Break</i>	<i>E-posters and paper poster session (PST): Systemic Nuclear Knowledge Management: Paving the Way to a Sustainable Future</i>

FRIDAY, 5 JULY 2024

11:30–13:00 **SESSION 17.1:**
NKM-HRD Aspects of Newbuilds and Supporting
Research

M Plenary

Chairperson: **M. Skuce, Canada**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	107	G. Sárdy	Hungary	Preparation of the HAEA for the Licensing of new NPP Units in Hungary
11:45–12:00	95	V. Szabó	Slovakia	NKM and HR Challenges in Slovakia
12:00–12:15	115	A. Aylangan	Türkiye	Implementing Knowledge Management Programme in a Research and Development Organization- TENMAK
12:15–12:30	264	S. K. Chakraborty	Bangladesh	Importance and Current State of Preservation Sharing and Management of Nuclear Knowledge at AERE of Bangladesh Atomic Energy Commission
12:30–12:45	79	T. Raquel	Brazil	Technology Roadmap for the Treatment and Reuse of Industrial Effluents: A Synergistic Approach for Advancing Research, Development and Innovation in Nuclear Science and Applications
12:45–13:00	Q&A			
13:00–14:30	<i>Lunch Break</i>			
	IAEA Side Event Establishment and Operation of the Nuclear Security Training and Demonstration Centre (NSTDC) in Seibersdorf” Technical Tour to the Nuclear Security Training and Demonstration Center in Seibersdorf (optional)			M3

FRIDAY, 5 JULY 2024

11:30–13:00 **SESSION 17.2:** **M2**
Capacity building for safety and security including
NKM-HRD issues for regulators and their licensees

Chairperson: **L. Guo, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	130	W. Sheng	China	Development of Human Resources in Chinese Nuclear Safety Regulation
11:45–12:00	344	B. Benoit	Belgium	Competency Mapping, Career Path and SARCoN Assessment as Pivotal Tools for Staff Retention in Regulatory Bodies
12:00–12:15	199	D. Shao	Tanzania	Evaluation of National Approaches and Experience for Managing Nuclear Safety Knowledge in the United Republic of Tanzania
12:15–12:30	253	A. Murtaza	Pakistan	Impact of Capacity Building on expertise of Pakistan Nuclear Regulatory Authority Workforce
12:30–12:45		Y. Shin	IAEA	Use of a Knowledge Base in IAEA Nuclear Security E-learning Programme: A Library of Resources for Programme Sustainability

12:45–13:00 Q&A

13:00–14:30 *Lunch Break*

IAEA Side Event **M3**
Establishment and Operation of the Nuclear Security Training and Demonstration Centre (NSTDC) in Seibersdorf”
Technical Tour to the Nuclear Security Training and Demonstration Center in Seibersdorf (optional)

FRIDAY, 5 JULY 2024

11:30–13:00 **SESSION 17.3:**
Education & Training for Nuclear

M3

Chairperson: Y. Wang, China

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
11:30–11:45	267	K. Zahraman	Arab Atomic Energy Agency	Contribution of the Arab Atomic Energy Agency in HRD in Arab Countries: Three Decades of Experience
11:45–12:00	108	G. Wakabayashi	Japan	The Expanding Role of the Kindai University Reactor as a Powerful Educational Tool for Nuclear Human Resource Development
12:00–12:15	402	J. Lúley	Slovak Republic	ENEPP - Hands-on Education and Training for Nuclear Industry
12:15–12:30	195	K. Ragusa	USA	The IAEA Nuclear Knowledge Management School at Texas A&M University: Implementation Review and Lessons Learned
12:30–12:45		J. Rahim	IAEA	Nuclear Safeguards Capacity Building by the International Atomic Energy Agency
12:45–13:00	Q&A			
13:00–14:30	<i>Lunch Break</i>			
		IAEA Side Event		M3
		Establishment and Operation of the Nuclear Security Training and Demonstration Centre (NSTDC) in Seibersdorf”		
		Technical Tour to the Nuclear Security Training and Demonstration Center in Seibersdorf (optional)		

FRIDAY, 5 JULY 2024

14:30–16:00 **SESSION 18.1:** **M Plenary**
Empowering Healthcare through Nuclear Knowledge
Management and Human Resource Development

Chairperson: **N. Bonilla, OECD/NEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	211	V. Ugarte	Argentina	Genesis of KM in a network of Nuclear Medicine and Radiotherapy Centers in Developing Country
14:45–15:00	84	F. Perez	Cuba	The Process Approach in Human Resources Management in Nuclear Medicine
15:00–15:15	369	C. Pesznyak	Hungary	Medical Physics MSc Education in Hungary
15:15–15:30		A. Brink	IAEA	Model to Assess Staffing Needs in Nuclear Medicine: An IAEA Tool
15:30–16:00	Q&A			

FRIDAY, 5 JULY 2024

14:30–16:00 **SESSION 18.2:** **M2**
NKM and HRD Considerations in the Development of
SMR technologies and their Applications

Chairpersons: Y. Sun, China / H. Subki, IAEA

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45		Y. Sun	China	China-Indonesia Joint Laboratory on HTGR in the Context of NKM and HRD
14:45–15:00	346	S. Pikh	Russian Federation	Personnel Training for New Business Solutions: the Case of SMR Nuclear Power Plants
15:00–15:15		N. Trianti	Indonesia	TBD
15:15–15:30		A. Constantin	IAEA	Advanced Small Modular Reactor Design and Technology Developments
15:30–15:45		S. Poghosyan	IAEA	Safety Demonstration of SMRs and NWCRs
15:45–16:00		TBD		

FRIDAY, 5 JULY 2024

14:30–16:00 **SESSION 18.3:**
Modern tools in NKM and HRD, Part 2

M3

Chairperson: **A. Di Trapani, Italy**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
14:30–14:45	309	C. K. Klutse	Ghana	The Need for Nuclear Leadership Development Programme at the Early Stage of a Nuclear Power Programme: Ghana's Experience as a Newcomer Country
14:45–15:00	138	P. Nguyen	IAEA	The International Nuclear Information System (INIS): Trends and Analysis
15:00–15:15	64	D. Hossain	Bangladesh	Online Knowledge Opportunism to Nuclear Knowledge Management Strategies: Implications for Nuclear Cyber and Computer Incident Response Team
15:15–15:30	198	S. Michelot	France	Digital Full Scope Simulators: Upskilling the Nuclear Workforce Prior to Reactors' Modifications and Upgrade
15:30–15:45	380	I. Paponetti	Italy	Applying Knowledge Management Methodology to Enhance Nuclear Science Programs
15:45–16:00	232	T. Limoto	Japan	Development and Application of Tools and Modules with WOW Factor for NST School Education

FRIDAY, 5 JULY 2024

16:00–16:30 CLOSING SESSION

M Plenary

Name	Designating Member State/ Organization	Title (as applicable: Opening Address; Welcome Address; Keynote Address or Title)
Elsie Pule	HR Executive, Eskom Holdings SOC Ltd, South Africa	Closing remarks
Mikhail Chudakov	Deputy Director General, Director of Nuclear Energy Department	Closing remarks

E-poster / Poster Presentations

TUESDAY, 2 JULY 2024

11:00–11:30

POSTER SESSION 1:
**Workforce development for existing and
emerging nuclear industry**

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	107	G. Sárdy	Hungary	Preparation of the HAEA for the Licensing of New NPP Units in Hungary
2	305	D. Artemova N. Naumchenko	Russian Federation	Activities of Rosatom Technical Academy for Development, Implementation and Methodological Support of Critical Knowledge Preservation in Nuclear Industry
3	421	A. AlQubaisi	UAE	Individual Development Plans
1	462	T. Pázmándi	Hungary	Lessons Learned from Training and Tutoring of Experts of Nuclear Regulatory Authorities and Technical Support Organizations in non-EU Countries
2	133	L. Cheng (TBC) W. Lin J. Qiu X. Shi	China	The Data-based and Intelligent Knowledge Management under the Standardized Human Resource Management System of “Hualong No.1” Nuclear Power Project
3	65	M. Levy	Israel	KiSure: A Professional Framework for Nuclear Expert Knowledge Retention
1	442	E. Fakhurozi (TBC) D. Ariyanti M. Muhtadan	Indonesia	Implementation of Tracer Study and Stakeholders or Industrial Converge to Have Recommendation of Nuclear Curricula Improvement on Nuclear Vocational Education in Indonesia
2	285	L. Lebedeva	Russian Federation	Human-centric Approach in the Nuclear Industry: from Philosophy to HR Practices
3	182	R. A. Da Silva Alfnas R. Baroni H. Rios C. Santos D. Silva	Brazil	Critical Nuclear Knowledge Preservation and Dissemination: the Low-cost Awarded Brazilian KM Program

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
170	L. Vuillefroy De Silly	France	Building a Solid Skills Base for the Successful Launch of a New Nuclear Project
21	S. Ainsour	Jordan	Role of Technical Cooperation in Enhancing Knowledge Management
431	R. Zair	Morocco	Human Resource Development (HRD) Analysis for a Potential Nuclear Power Programme in Morocco
417	A.E. Conjares (TBC) A. Asuncion-Astronomo	Philippines	Nuclear Manpower Development in the Philippines: Experience of a Country re-Embarking in a Nuclear Program
209	B. Nakyama (TBC)	Uganda	Strategic Talent Acquisition for Sustainable Nuclear Workforce Development: Addressing Challenges and Embracing Opportunities. Case of Ministry of Energy and Mineral Development
75	C. Anyaegbu N. Amobi U. O. Madu	Nigeria	Nuclear Knowledge Challenges and Needs Critical for the Development of Sustainable Nuclear Power Programme in Nigeria

E-poster / Poster Presentations

TUESDAY, 2 JULY 2024

16:00–16:30

**POSTER SESSION 2:
Capacity Building and Knowledge
Preservation in the Nuclear Sector**

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	136	C. Carrano P. G. Mahedero J. Magjts	Spain	Preserving Your Legacy – A Practical Approach to Enhancing Information-sharing, Encompassing Technology and Invaluable Tacit Expertise, across the Multigenerational Nuclear Workforce
2	154	A. Albassami	Saudi Arabia	Knowledge Transfer Methodological Approaches for Emerging Nuclear Energy Countries
3	246	R. Hammad	Pakistan	Reforming the Leadership Development Program (LDP) at PNRA

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
120	H.-H. Altfeld	Germany	Introducing a Company-specific Competence Certification Scheme for Companies of the Nuclear Industry
155	M. Abaoud S. Almunahi	Saudi Arabia	Developing Behavioral Competencies for Human Resource Excellence: Integrating Behavioral Skills at NRRC
36	S. Issaka R. Algaga M. Dotse	Ghana	Enhancing Nuclear Security Culture Through HRD: A Critical Assessment of Ghana Atomic Energy Commission
181	A. C. Syuryavin	Indonesia	Application of Knowledge Management to Enhance National Nuclear Security Capacity Building
7	J. Otoo (TBC) D. Adjei E. Glover S. Inkoom K. O. Akyea-Larbi F. Otoo	Ghana	The Radiation Protection Institute Serving as a TSO for Nuclear and Radiological Education and Training
453	L. Salvi (TBC)	Argentina	Succession Planning for Critical Position Implemented at Nuclear Electrica SA

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
213	V. Grance Torales F. D. Penna L. G. Lira G. A. Dalmasso F. E. Lopez	Argentina	Knowledge Loss Risk Assessment Method At Cnea - How to Achieve a New Generation Based on Knowledge
270	P. Carbol N. Belmans M. Coeck A. Valls	Belgium	Training and Mobility in EU Projects EURAD and PREDIS to Support Knowledge Management in Radioactive Waste Management

E-poster / Poster Presentations

WEDNESDAY, 3 JULY 2024

11:00–11:30

**POSTER SESSION 3:
Innovative Methods and Tools in Nuclear
Knowledge Management and Workforce
Development**

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	110	Y. Mawugbe (TBC) C. K. Klutse	Ghana	Leveraging Information Technology Tools for Assessing Risk of Knowledge Loss Due to Workforce Attrition: A Case Study at the Nuclear Power Institute, Ghana Atomic Energy Commission
2	423	D. Abbasova	IAEA	A Strategical Learning as a Key Element in Nuclear Organisational Performance.
3	42	F. Braga	Brazil	Intelligence Management Cycle: An Integrated Approach to Build Organizational Knowledge and Improve Decision Making

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
10	A. Athmane	Algeria	Facilitating Sustainable Education with Modern Tools in Nuclear Science and Technology, the Experience of e-Learning Cell at the Nuclear Research Center of Algiers

E-poster / Poster Presentations

WEDNESDAY, 3 JULY 2024

16:00–16:30

**POSTER SESSION 4:
Leveraging Nuclear Knowledge
Management to Foster Innovations**

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	414	A. Kosilov G. Tikhomirov	Russian Federation	The Role of Virtual Reality in Nuclear Education
2	321	M. Coeck M.-L. Ruysen	Belgium	A New Integrated Approach to Knowledge Management at the Belgian Nuclear Research Centre SCK CEN
3	340	A. Kotlov	Russian Federation	Digitalization as a Natural Driver of Adaptation and Growth of Personnel Qualification to Ensure the Effectiveness of Digital Transformation of a Manufacturing Enterprise
1	405	L. Lunan-Lyn-Cook	Jamaica	Nuclear Knowledge Management and Human Resources Development: Jamaica, Leveraging Challenges and Embracing Opportunities in an Evolving Global Landscape
2	283	D. Lazarevic S. Velinov	Serbia	Preservation of Nuclear Knowledge in Serbia
3	119	L. Torres (TBC)	Argentina	The Project Radiation in Everyday Life in the RA-6 Research Reactor
1	327	F. Cantargi K. Velasquez V. Kaplan A. Daoud L. Chao	Argentina	CNEA LMS Platform: Facilitating the Learning Process Dynamically and Efficiently

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
194	L. Vuillefroy De Silly on behalf of R. Hubert	France	Industrialization of Immersive Learning at the EDF Technical Training Unit
329	N. Hussaini	Malaysia	Gamifying Radioactivity : Game-based Learning as a Pedagogical Approach for Girls in Science
51	D. H. Nugroho B. Aji	Indonesia	Regulatory Body Knowledge Management Framework on the Licensing of Small Modular Reactors in Indonesia

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
59	S. Akyildiz	Türkiye	What the Role of Nuclear Knowledge Management (NKM) and Human Resource Development (HRD) for Research&Development (R&D) and Innovation is to Ensure a Safe and Sustainable Nuclear Programme, Including Nuclear Power, the Nuclear Fuel Cycle, Nuclear Science and Applications

E-poster / Poster Presentations

THURSDAY, 4 JULY 2024

11:00–11:30

POSTER SESSION 5:
Nuclear Education and Collaboration

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	188	A. Timoshchenko V. Gusakova T. Savitskaya R. Sverdlov M. Tushin V. Uglov	Belarus	New Stage of Nuclear Education and Training in Belarus
2	278	M.Lamabadusuriya	Sri Lanka	Networking in Nuclear Education: Department of Nuclear Science, University of Colombo, Sri Lanka
3	72	Y. Nam H. Zhivitkaya M. Mishar S. Yang	Republic of Korea	ANENT Online Platforms for Knowledge Sharing in Nuclear Science and Technology
1	342	S. Sulaiman M. Manan M. Zaini	Malaysia	Exploring Innovative Pedagogical Strategies for Malaysian Gifted and Talented Students in Nuclear Education: A Focus on Knowledge Management and Human Resource Development for Future Skilled Workforce
2	204	A. Kosilov N. Geraskin E. Kulikov	Russian Federation	Knowledge Management in Nuclear Organizations: Course for University Master's Level Programmes
3	219	S. Litaïem	Tunisia	National Nuclear Technical Cooperation Knowledge Platforms ("National Platforms") are Established under the Global Nuclear Safety and Security Network (GNSSN)
1	449	E. Fakhrurozi D. Ariyanti	Indonesia	External Collaboration for Enhancing Lesson Learning of Nuclear Knowledge Via Tracer Study Method through Ten Indicators on Graduate of Polytechnic Institute of Nuclear Technology, Indonesia
2	183	N. Masngut	Malaysia	Neo Inclusivity: Leaving No One Behind
3	332	R. Dolezal	Czech Republic	Some Problems of Human Resources and the Young Generation of the Nuclear Industry in Czechia (apparently nobody wants to work in nuclear anymore)

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	433	Z. Yu	China	Nuclear Science and Technology Professional Training in East China University of Technology (ECUT)

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
371	S. A. Sahdan	Malaysia	Empowering Tomorrow's Minds: Challenges and Opportunities in Enriching Malaysian Education with the Integration of Nuclear Science and Technology
83	O. Fornet Rodriguez F. Pérez G.M. Pérez J. Soberats	Cuba	The Human Resources Gender Balance in the Use of Nuclear Energy in Cuba: Challenges and Opportunities
368	N. Kim B. Kwon	Republic of Korea	Integrating HRD and NKM Strategies in Developing Nuclear Programmes: The Korean Model for International Collaboration through Supporting Establishment of Nuclear Engineering Department in Developing Nations
358	L. Ong'ayo	Kenya	Enhancing Nuclear Education and Outreach: Collaborative Initiatives among Key Kenyan Institutions

E-poster / Poster Presentations

THURSDAY, 4 JULY 2024

16:00–16:30

POSTER SESSION 6:
Outreach and nuclear science

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	274	A.A. Rahman M. Mishar	Malaysia	Enhancing Nuclear Science and Technology Secondary Education for Sustainable Development: A Comprehensive Approach and Best Practices Dissemination
2	426	G. Balhamar	UAE	Students Hackathon
3	80	E. Mayaka	Kenya	Advancing Nuclear Knowledge Management: Proactive Coaching and Mentoring in STEM for Enhanced Nuclear Safety and Security
1	350	D. Irawan M. Mariati	Indonesia	Integrating Nuclear Science into Secondary Level Education Curriculum: Indonesia Experience
2	289	T. Toda T. Iimoto	Japan	Practical School Application of Cloud Chambers for Various Education Subjects
3	228	D. Ariyanti M. Muhtadan	Indonesia	Graduate Tracer Study and Its Instrument as Collaborative Methods to Gain Insight of Curricula Input on Nuclear Vocational Education in Indonesia to Implementation NKM and Continuous Learning Improvement

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
44	I. Opoku-Ntim A.B. Andam P.E. Amponsah	Ghana	Nuclear Science Education and Its Role in National Development: Insights from Ghana
142	V.K. Kuit	Malaysia	Humanizing Nuclear Science Education through Co-curricular Development
236	M. Idris A. Rahman M. Mishar	Malaysia	Needs Assessment on Educational Sustainability in the Field of Nuclear Science and Technology: An Insight 4B
353	H. Harun	Malaysia	Empowering Secondary Students' Interest in Nuclear Science and Technology: The Role of Counselor Teachers
290	S. Abbas	Jordan	Enhancing Secondary Education in Nuclear Science Technology: Exploring Effective Practices and Capacity-Building Strategies

E-poster / Poster Presentations

FRIDAY, 5 JULY 2024

11:00–11:30

**POSTER SESSION 7:
Systemic Nuclear Knowledge Management:
Paving the Way to Sustainable Future**

Coffee corner

Screen No.	Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
1	400	M. Coeck J.Stewart J. Lucey H.F.Boersma F.Draaisma J.-W. Vahlbruch F. d'Errico S.Falcon	Belgium	Policy Support Regarding Competence Building in Radiation Protection by the European Training and Education in Radiation Protection Foundation EUTERP
2	98	M. Almasrouhi N. Alsallum K. Alshehri	Saudi Arabia	Human Capability Development Program to Perform Effective Regulatory Functions in the Kingdom of Saudi Arabia
3	312	H. Touqeer	Pakistan	Role of International Training Opportunities in Human Resource Development Strategies and Nuclear Knowledge Sustainability: Transcending Boundaries

Paper No.	Author(s) [presenting author in bold]	Designating Member State/Organization	Title of Paper
28	I. Alrammah	Saudi Arabia	Proposing a Roadmap for Building Knowledge Capacity in Probabilistic Safety Assessment and Supporting Fields
60	R.T.P. Batubara T. Asmoro	Indonesia	Enhancing Competency and Professional Development for Nuclear Security Officers: A Case Study of the Directorate of Nuclear Facility Management, National Research and Innovation Agency of Indonesia
244	M. Karli	Türkiye	Advancing Nuclear Knowledge and Human Resources: The TENMAK Experience in Radiation Protection Training and Certification

LIST OF SIDE EVENTS

Atoms for Future: Talent Solutions from CNNC

Hosted by China

Monday, 1 July 2024, 17:30 – 18:30

Venue: M Plenary

NKM Best Practices in Fusion

Hosted by EUROfusion

Tuesday, 2 July 2024, 13:00 – 13:45

Venue: M 3

International Mobility

Hosted by France

Tuesday, 2 July 2024, 17:30 – 18:30

Venue: M 3

Comprehensive Assistance to Member States in Nuclear Knowledge Management and Human Resource Development

Hosted by NKMS IAEA

Wednesday, 3 July 2024, 13:00 – 13:45

Venue: M3

Nuclear Education Technologies for the Net Zero Future: Rosatom Approach

Hosted by the State Atomic Energy Corporation "Rosatom", Russian Federation

Wednesday, 3 July 2024, 17:30 – 18:30

Venue: M 3

Linking Nuclear Science and Technology into Secondary Education in Asia and Pacific

Hosted by TCAP IAEA

Thursday, 4 July 2024, 13:00 – 13:45

Venue: M 3

The European Networking Effect; Enhancing Nuclear Competence Through Collaboration

Hosted by ENEN

Thursday, 4 July 2024, 17:30 – 18:30

Venue: M 3

Establishment and Operation of the Nuclear Security Training and Demonstration Centre (NSTDC) in Seibersdorf

Hosted by NSNS IAEA

Thursday, 5 July 2024, 13:00 – 13:45

Venue: M3

Technical Tour to the Nuclear Security Training and Demonstration Center in Seibersdorf (optional)

IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE EVENT

IAEA Nuclear Energy Series No. NG-G-6.1 (2022)	Guide to Knowledge Management Strategies and Approaches in Nuclear Energy Organizations and Facilities
IAEA Nuclear Energy Series No. NG-G-2.1 (Rev. 1) (2023)	Managing Human Resources in the Field of Nuclear Energy
IAEA Nuclear Energy Series No. NG-T-2.2 (2008)	Commissioning of Nuclear Power Plants: Training and Human Resource Considerations
IAEA Nuclear Energy Series No. NG-T-2.3 (Rev. 1) (2022)	Training and Human Resource Considerations for Nuclear Facility Decommissioning
IAEA Nuclear Energy Series No. NG-T-2.8 (2021)	Systematic Approach to Training for Nuclear Facility Personnel: Processes, Methodology and Practices
IAEA Nuclear Energy Series No. NG-T-3.10 (Rev. 1) (2022)	Human Resource Management for New Nuclear Power Programmes
IAEA Nuclear Energy Series No. NG-T-3.22 (Preprint 2021)	Resource Requirements for Nuclear Power Infrastructure Development
IAEA Nuclear Energy Series No. NG-T-6.10 (2016)	Knowledge Management and Its Implementation in Nuclear Organizations
IAEA Nuclear Energy Series No. NG-T-6.11 (2017)	Knowledge Loss Risk Management in Nuclear Organizations
IAEA Nuclear Energy Series No. NG-T-6.12 (2020)	International Nuclear Management Academy Master's Programmes in Nuclear Technology Management
IAEA Nuclear Energy Series No. NG-T-6.14 (2020)	Mapping Organizational Competencies in Nuclear Organizations
IAEA Nuclear Energy Series No. NG-T-6.15 (2021)	Exploring Semantic Technologies and Their Application to Nuclear Knowledge Management
IAEA Nuclear Energy Series No. NG-T-6.3 (2008)	Fast Reactor Knowledge Preservation System: Taxonomy and Basic Requirements
IAEA Nuclear Energy Series No. NG-T-6.4 (2014)	Nuclear Engineering Education: A Competence Based Approach to Curricula Development
IAEA Nuclear Energy Series No. NG-T-6.7 (2011)	Comparative Analysis of Methods and Tools for Nuclear Knowledge Preservation
IAEA Nuclear Energy Series No. NG-T-6.8 (2016)	Nuclear Accident Knowledge Taxonomy
IAEA Nuclear Energy Series No. NR-T-2.12 (2021)	Human Factors Engineering Aspects of Instrumentation and Control System Design

IAEA Nuclear Energy Series NG-T-1.1 (2014)	Managing Organizational Change in Nuclear Organizations
IAEA Nuclear Energy Series NG-T-2.7 (2014)	Managing Human Performance to Improve Nuclear Facility Operation
IAEA Nuclear Energy Series NG-T-3.1 (Rev. 1) (2020)	Initiating Nuclear Power Programmes: Responsibilities and Capabilities of Owners and Operators
IAEA Nuclear Energy Series NG-T-3.6 (Rev. 1) (2019)	Responsibilities and Functions of a NEPIO Nuclear Programme Implementing Organization
IAEA Nuclear Energy Series No. NG-T-6.2 (2009)	Development of Knowledge Portals for Nuclear Power Plants
IAEA Nuclear Energy Series NG-T-2.3 (2008)	Decommissioning of Nuclear Facilities: Training and Human Resource Considerations
IAEA Safety Standards Series No. SSG-75 (2022)	Recruitment, Qualification and Training of Personnel for Nuclear Power Plants
IAEA Safety Standards Series No. SSG-84 (2023)	The Operating Organization and the Recruitment, Training and Qualification of Personnel for Research Reactors
IAEA TECDOC Series No. 1024 (1998)	Selection, Competency Development and Assessment of Nuclear Power Plant Managers
IAEA TECDOC Series No. 1193 (2001)	Staffing Requirements for Future Small and Medium Reactors (SMRs) Based on Operating Experience and Projections
IAEA TECDOC Series No. 1232 (Rev. 1) (2020)	Assuring the Competence of Nuclear Power Plant Contractor Personnel
IAEA TECDOC Series No. 1880 (2019)	Planning and Execution of Knowledge Management Assist Visits for Nuclear Organizations
IAEA TECDOC Series No. 1884 (2019)	Knowledge Management Perspectives on Outsourcing in Operating Nuclear Power Plants
IAEA TECDOC Series No. 1917 (2020)	Assessing Behavioural Competencies of Employees in Nuclear Facilities
IAEA TECDOC Series No. 1919 (2020)	Application of Plant Information Models to Manage Design Knowledge through the Nuclear Power Plant Life Cycle
IAEA TECDOC Series No. 1999 (2022)	Mentoring and Coaching for Knowledge Management in Nuclear Organizations
IAEA TECDOC Series No. 2007 (2022)	Nuclear Educational Networks: Experience Gained and Lessons Learned
IAEA TECDOC Series No. 2029 (2023)	A Taxonomy for the Decommissioning of Nuclear Facilities
IAEA TECDOC Series No. 1933 (2020)	Approaches to the Management of Requirements Specifications for Nuclear Facilities throughout their lifecycle

PARTICIPATION IN IAEA SCIENTIFIC CONFERENCES

Governments of Member States and those organizations whose activities are relevant to the conference subject matter are invited to designate participants. In addition, the IAEA itself may invite a limited number of scientists as invited speakers. Only participants designated or invited in this way are entitled to present papers and take part in the discussions.

Scientists interested in participating in any of the IAEA conferences should request information from the Government authorities of their own countries, in most cases the Ministry of Foreign Affairs or national atomic energy authority.

PUBLICATIONS

Other IAEA Publications

All IAEA publications may be ordered directly from the Sales and Promotion Unit, International Atomic Energy Agency, P.O. Box 100, A-1400 Vienna, Austria.

Fax: (+43 1) 2600-29302

Email: sales.publications@iaea.org

Internet: <http://www.iaea.org/books>

FORTHCOMING SCIENTIFIC CONFERENCES SCHEDULED BY THE IAEA

2024

International Conference on Hybrid Imaging (IPET 2024) (CN-326)

7 – 11 October 2024, Vienna, Austria

International Conference on Small Modular Reactors and their Applications (CN-327)

21 – 25 October 2024, Vienna, Austria

International Conference on Research Reactors: Achievements, Experience and the Way to a Sustainable Future (CN-319)

11 – 15 November 2024, Vienna, Austria

Ministerial Conference on Nuclear Science, Technology and Applications and the Technical Cooperation Programme (CN-328)

26 – 28 November 2024, Vienna, Austria

International Conference on Enhancing Nuclear Safety and Security Through Technical and Scientific Organizations (TSOs): Challenges and Opportunities in a Rapidly Changing World (CN-329)

2 – 6 December 2024, Vienna, Austria

2025

Third International Conference on Applications of Radiation Science and Technology (ICARST-2025) (CN-332)

7 – 11 April 2025, Vienna Austria

International Conference on Stakeholder Engagement for Nuclear Power Programmes (CN-333)

26 – 30 May 2025, Vienna Austria

International Conference on International Conference on Advances in Radiation Oncology (ICARO 4) (CN-331)

2 – 5 June 2025, Vienna Austria

30th IAEA Fusion Energy Conference (CN-336)

13 – 18 October 2025, Xian, China

International Conference on Resilience of Nuclear Installations against External Events from Safety Perspective (CN-337)

20 – 24 October 2025, Vienna Austria

International Conference on National, Regional and International Nuclear and Radiological Emergency Preparedness and Response: Facing New and Complex Challenges (CN-338)

10 – 14 November 2025, Vienna Austria

International Conference on Radiation Protection in Medicine: X Ray Vision (CN-339)

8 – 12 December 2025, Vienna Austria

For information on forthcoming scientific meetings, please consult the IAEA web site:
<http://www.iaea.org/events>