

# **Second International Conference on Climate Change and the Role of Nuclear Power:**

**Atoms4NetZero**

9–13 October 2023

## **PROGRAMME**

Organized by the  
International Atomic Energy Agency (IAEA)

IAEA Headquarters Vienna, Austria

**Programme Committee:**

H.E Hammad Alkaabi, Chairman, UAE  
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**IAEA Secretariat:**

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Event Organizer: T. Danaher, MTCD  
Administrative Support: H. Paillere, NEPK  
B. Carpinelli, NEPK  
J. Fuentes, NEPK  
V. Gartner, NEPK

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**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

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**Working Language:** English

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

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## 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



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

## TIMETABLE

### Monday, 9 October 2023

Time	Session No.	Session Title / Break	Venue
9:30–10:00	1	Opening	Board Room B/M1
10:00–10:45	2	High-Level Panel on Climate Actions to Meet the Objectives of the Paris Agreement	Board Room B/M1
10:45–11:00		<i>Coffee Break</i>	
11:00–11:30	3	High-Level Statements and Video Messages	Board Room B/M1
11:30–12:30	4	High-Level Panel on Climate Emergency and the Role of Nuclear Energy	Board Room B/M1
12:30–14:00		<i>Lunch Break</i>	
14:00–15:20	5	High-Level Panel on Decarbonization Beyond Power	Board Room B/M1
15:20–15:40		<i>Coffee Break</i>	
15:40–15:50	6	Keynote Speech by Ms. Susan Eisenhower (virtual)	Board Room B/M1
15:50–17:00	7	High-Level Panel on Nuclear and Renewables	Board Room B/M1
17:00–18:00		Side Event on Women Confront Climate Change	Board Room B/M1
18:00–19:30		<i>Welcome Reception</i>	M-Building – Ground Floor

### Tuesday, 10 October 2023

Time	Session No.	Session Title / Break	Venue
09:30–10:30	8	High-Level Panel on Improving Nuclear's Competitiveness	Board Room B/M1
10:30–10:45		<i>Coffee Break / Poster Session</i>	
10:45–12:30	9	Technical Track Sessions	Room M1, M2, M3
12:30–14:00		<i>Lunch Break/Side Event</i> CNNC's Solution on Mitigating Climate Change	Board Room B/M1
14:00–15:00	10	High-Level Panel on Nuclear and Sustainable Finance	Board Room B/M1
15:00–15:15		<i>Coffee Break / Poster Session</i>	
15:15–17:00	11	Technical Track Sessions	Room M1, M2, M3
17:00–18:00		Side Event on How Can Climate Scenario Modelling Influence Nuclear Investments?	Board Room B/M1

## Wednesday, 11 October 2023

Time	Session No.	Session Title / Break	Venue
09:30–10:30	12	High-Level Panel on Innovative Technologies and SMRs	Board Room B/M1
10:30–10:45		<i>Coffee Break / Poster Session</i>	
10:45–12:30	13	Technical Track Sessions	Room M1, M2, M3
12:30–14:00		<i>Lunch Break/Side Event on Reimagining Coal Communities</i>	Board Room B/M1
14:00–15:00	14	High-Level Panel on Nuclear and Low Carbon Hydrogen	Board Room B/M1
15:00–15:15		<i>Coffee Break / Poster Session</i>	
15:15–17:00	15	Technical Track Sessions	Room M1, M2, M3
17:00–18:00		Side Event on Clean Hydrogen from Nuclear for Enabling NetZero	Board Room B/M1

## Thursday, 12 October 2023

Time	Session No.	Session Title / Break	Venue
09:30–10:30	16	High-Level Panel on Nuclear Safety and Climate Resilience	Board Room B/M1
10:30–10:45		<i>Coffee Break / Poster Session</i>	
10:45–12:30	17	Technical Track Sessions	Room M1, M2, M3
12:30–14:00		<i>Lunch Break/Side Event on River-based Nuclear Power Plants: How to Operate Sustainably in the Face of Climate Change</i>	Board Room B/M1
14:00–15:00	18	High-Level Panel on Effective Stakeholder Engagement and Communications Strategies: Yes In My Backyard	Board Room B/M1
15:00–15:15		<i>Coffee Break / Poster Session</i>	
15:15–17:00	19	Technical Track Sessions	Room M1, M2, M3
17:00–18:00		Side Event on Atom4NetZero NextGen	Board Room B/M1
18:00 – 19:30		Reception	M-Building – Ground Floor

## Friday, 13 October 2023

Time	Session No.	Session Title / Break	Venue
09:30–10:30	20	Special Session: Nuclear Power to support Just Transition in the Global South	Board Room B/M1
10:30–11:00		<i>Coffee Break</i>	
11:00–12:30	21	Closing Session	

## MONDAY, 9 OCTOBER 2023

9:30-10:00 OPENING SESSION

Venue (Board Room  
B/M1)

Time	Name	Designating Member State/Organization	Title
09:30–10:00	<b>R. M. Grossi</b>	Director General, IAEA	Opening Address
	<b>H. Alkaabi</b>	Conference President, Ambassador of the United Arab Emirates (UAE)	Opening Address

## MONDAY, 9 OCTOBER 2023

10:00-10:45 HIGH LEVEL PANEL: CLIMATE ACTIONS TO  
MEET THE OBJECTIVES OF THE PARIS  
AGREEMENT

Venue (Board Room  
B/M1)

Moderator: J. Donovan, IAEA

Time	Name	Designating Member State/Organization	Title
10:00 – 10:45	<b>F. Birol</b>	Executive Director, International Energy Agency (IEA)	Keynote Speaker
	<b>A. Pannier-Runacher</b>	Minister for Energy Transition, France	HL Panelist
	<b>R. M. Grossi</b>	Director General, IAEA	HL Panelist
	<b>F. Birol</b>	Executive Director, International Energy Agency (IEA)	HL Panelist
	<b>M. Al Hammadi</b>	Managing Director and Chief Executive Officer, Emirates Nuclear Energy Corporation (ENEC)	HL Panelist
10:45–11:00	<i>Coffee Break</i>		

## MONDAY, 9 OCTOBER 2023

11:00-11:30 HIGH LEVEL STATEMENTS

Venue (Board Room  
B/M1)

Time	Name	Designating Member State/Organization	Title
11:00 – 11:30	<b>Z. Kejian</b>	Chairman, China Atomic Energy Authority (CAEA)	HL Speaker
	<b>L.S.H Holgate</b>	Ambassador of the United States of America (USA)	HL Speaker
	<b>J. Li</b>	Under-Secretary-General, United Nations Department of Economic and Social Affairs (UN DESA)	HL Speaker (Video Message)
	<b>N. Nuredini</b>	Special Representative of the Chairman-in-Office on Climate Change, Organization for Security and Co-operation in Europe (OSCE)	HL Speaker



## MONDAY, 9 OCTOBER 2023

**11:30-12:30 HIGH LEVEL PANEL: CLIMATE EMERGENCY AND THE ROLE OF NUCLEAR ENERGY** Venue (Board Room B/M1)

**Moderator: I. Pletukhina, Hunton Andrews Kurth**

Time	Name	Designating Member State/Organization	Title
11:30 – 12:30	<b>P. Taalas</b>	Secretary-General, World Meteorological Organization (WMO)	Keynote Speaker
	<b>A. Guibourgé-Czetwertyński</b>	Deputy Minister of Climate Change and Environment (Poland)	HL Speaker
	<b>P. Taalas</b>	Secretary-General, World Meteorological Organization (WMO)	Keynote Speaker
	<b>S. Bilbao y León</b>	Director-General, World Nuclear Association (WNA)	HL Panelist
	<b>Y. Kamada</b>	Deputy to the Director-General, International Thermonuclear Experimental Reactor (ITER)	HL Panelist
	<b>D. Cameron</b>	Head of the Nuclear Technology Development and Economics Division, Nuclear Energy Agency (NEA)	HL Panelist
12:30–14:00	<i>Lunch Break</i>		

## MONDAY, 9 OCTOBER 2023

**14:00-15:20 HIGH LEVEL PANEL 3: DECARBONIZATION  
BEYOND POWER**

**Venue (Board Room  
B/M1)**

**Moderator: F. Rayment, National Nuclear Laboratory, United  
Kingdom (UK)**

Time	Name	Designating Member State/Organization	Title
14:00 – 15:20	<b>C. Zou</b>	Deputy to the Director General, United Nations Industrial Development Organization (UNIDO)	Keynote Speaker
	<b>M. Korsnick</b>	President and CEO, Nuclear Energy Institute (NEI)	HL Panelist
	<b>T. Mitchell</b>	Chairman, World Association of Nuclear Operators (WANO)	HL Panelist
	<b>H. Paillere</b>	Section head, IAEA	HL Panelist
	<b>D. Nordgren</b>	Vice President, Generation Fleet Development, Vattenfall	HL Panelist
15:20–15:40	<i>Coffee Break</i>		

## MONDAY, 9 OCTOBER 2023

**15:40-15:50 KEYNOTE SPEECH BY Ms. SUSAN EISENHOWER** Venue (Board Room B/M1)

Time	Name	Designating Member State/Organization	Title
15:40–15:50	<b>S. Eisenhower</b>	The Eisenhower Group	Keynote Speaker (virtual)

**15:50-17:00 HIGH LEVEL PANEL: NUCLEAR AND RENEWABLES** Venue (Board Room B/M1)

**Moderator: C. Berrigan, Nuclear Energy Institute (NEI)**

Time	Name	Designating Member State/Organization	Title
15:50 – 17:00	<b>G. Maiulini</b>	Chief of Cabinet, Latin American Energy Organization (OLADE)	Keynote Speaker
	<b>H. Hayafune</b>	Deputy Director-General Sector of Fast Reactor and Advanced Reactor Research and Development, Japan Atomic Energy Agency (JAEA)	
	<b>C. Lewandowski</b>	Vice-President, Group Senior Executive, Nuclear and Thermal, Électricité de France (EDF)	HL Panelist
	<b>S. B. Sitton</b>	Division Director Idaho National Laboratory (INL)	HL Panelist

*17:00–18:00 Side event*

## MONDAY, 9 OCTOBER 2023

**16:00-17:00**    **SIDE EVENT: WOMEN CONFRONT CLIMATE CHANGE**

**Venue (Board Room B/M1)**

**Chairperson:**    **A. des Cloizeaux, IAEA**

**Moderator:**    **A. El Refaei, IAEA**

Time	Name	Designating Member State/Organization	Title
17:00 – 18:00	<b>G Voigt</b>	Former President, Women in Nuclear (WiN) Global	Opening Statement
	<b>F. Rayment</b>	Chief Science and Technology Officer, National Nuclear Laboratory (NNL)	Keynote Speaker
	<b>M. Korsnick</b>	President and CEO, Nuclear Energy Institute (NEI)	Side Event Speaker
	<b>S. Bilbao y Leon</b>	General Director, World Nuclear Association (WNA)	Side Event Speaker
	<b>A. Cunha da Silva</b>	Innovation Project Lead, Westinghouse Electric Company	Side Event Speaker

## TUESDAY, 10 OCTOBER 2023

9:30-10:30 **HIGH LEVEL PANEL: IMPROVING NUCLEAR'S  
COMPETITIVENESS**

**Venue (Board Room  
B/M1)**

**Moderator: K. Gogan, TerraPraxis**

Time	Name	Designating Member State/Organization	Title
9:30 – 10:30	<b>J. Gu</b>	President, China National Nuclear Corp (CNNC)	HL Panelist
	<b>X. Ursat</b>	Chief Executive, Électricité de France (EDF)	HL Panelist
	<b>L. Odeh</b>	Chief Commercial Officer (CCO), URENCO	HL Panelist
	<b>K. B. Sagheer</b>	Member of the Pakistan Atomic Energy Commission (PAEC)	HL Panelist
<hr/> <i>10:30–10:45 Coffee Break / Poster Session</i> <hr/>			

## TUESDAY, 10 OCTOBER 2023

**10:45–12:30**     **TECHNICAL SESSION 2.3:**  
**Improving competitiveness:**  
**standardization, supply chain,**  
**harmonization of regulatory approaches**

**Venue (Board Room B/M1)**

**Chairperson:**     **David Tucker, McMaster University**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:55–11:07	35	<b>R. Tscherning</b>	Germany	Nuclear power and the net-zero 2050 opportunity: expediting Canada's low carbon economy
11:07–11:19	60	<b>N. Lee</b> (on behalf of B. heard)	United Kingdom	Assessing the prospects of nuclear technologies in the global energy mix – a structured analysis methodology to support decision-making
11:19–11:31	177	<b>T. Lin</b>	China	Roles, scenarios challenges for nuclear power in the context of carbon neutrality
11:31–11:43	159	<b>X. Vasquez-Maignan</b>	Chile	Financing nuclear power
<i>12:30–14:00 Lunch Break / Side event</i>				

## TUESDAY, 10 OCTOBER 2023

**10:45–12:30 TECHNICAL SESSION 2.1:  
Social and economic benefits of nuclear  
investments: just transition**

**Venue (ROOM M2)**

**Chairperson: M. Bowen, Columbia University**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	61	<b>F. Tassi</b>	United States of America	Clean and prosperous? modeling least-cost coal plant retrofit decarbonization meeting local economic impacts of North Carolina's coal fleet
11:02–11:14	52	<b>T. Gelo</b>	Croatia	Assessing the macroeconomic impact of building small modular reactor on small economy: case of Croatia
11:14–11:26	16	<b>A. Phiri</b>	Zambia	Nuclear techniques in climate change for sustainable water resources management
11:26–11:38	174	<b>W.T. Pettigrew</b>	Canada	Economic feasibility of net-zero emission configuration for a Canadian remote mine
<i>12:30–14:00 Lunch Break / Side event</i>				

## TUESDAY, 10 OCTOBER 2023

**10:45–12:30**      **TECHNICAL SESSION 3.3 (a):**      **Venue (ROOM M3)**  
**Development of non-electric applications**  
**including hydrogen, hybrid energy**  
**systems**

**Chairperson:**      **P. Nevitt, National Nuclear Laboratory (NNL)**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	158	<b>J. Aborn</b>	United States of America	An assessment of the Diablo Canyon nuclear plant for zero-carbon electricity, desalination, and hydrogen production
11:02–11:14	139	<b>G. Rodriguez</b>	France	HyNE: hydrogen from nuclear energy. A new task from the IEA / Hydrogen Technology Cooperative Program
11:14–11:26	81	<b>W. Dridi</b>	Tunisia	Comparative study of nuclear water desalination technologies in Tunisia SMR
11:26–11:38	86	<b>B. Hussain</b>	Pakistan	A Nuclear-hybrid energy system with co-generation, economy for peaker operation
11:38–11:50	87	<b>H. Zhang</b>	China	Analysis on the prospect of coupled development of nuclear and petrochemical enterprises under the goal of carbon neutrality – the case of China
<i>12:30–14:00 Lunch Break / Side event</i>				



## TUESDAY, 10 OCTOBER 2023

**12:30-13:30**    **SIDE EVENT: CNNC'S SOLUTION ON MITIGATING CLIMATE CHANGE**    **Venue (Board Room B/M1)**

**Moderator:**    **S. Lixin, China National Nuclear Corp (CNNC)**

Time	Name	Designating Member State/Organization	Title
12:30 – 13:30	<b>L. Song</b>	Ambassador Plenipotentiary and Extraordinary of the People's Republic of China	Opening Address
	<b>J. Gu</b>	President, China National Nuclear Corp (CNNC)	Opening Address
	<b>W. Mo</b>	Research Director, China Institute of Nuclear Industry Strategy (CINIS)	Side Event Speaker
	<b>X. Weizhu</b>	Director of R&D department, Hainan Nuclear Power Corporation	Side Event Speaker
	<b>W. Kai</b>	Vice President, Director of the Public Relations Department, China National Nuclear Corp (CNNC) Overseas	Side Event Speaker

## TUESDAY, 10 OCTOBER 2023

14:00-14:05 STATEMENT BY Mr. Balthasar Lindauer

Venue (Board Room  
B/M1)

Time	Name	Designating Member State/Organization	Title
14:40-14:05	<b>B. Lindauer</b>	European Bank for Reconstruction (EBRD)	Invited Speaker

14:05-15:00 HIGH LEVEL PANEL: NUCLEAR AND  
SUSTAINABLE FINANCE

Venue (Board Room  
B/M1)

Moderator: **J. Parsons, Massachusetts Institute of  
Technology (MIT)**

Time	Name	Designating Member State/Organization	Title
14:05 – 15:00	<b>J. Parsons</b>	Senior Lecturer Massachusetts Institute of Technology (MIT)	Keynote Speaker
	<b>G. Borovas</b>	Head of Nuclear and Managing Partner of Tokyo Office Hunton Andrews Kurth	HL Panelist (virtual)
	<b>I. Pletukhina,</b>	Associate, Hunton Andrews Kurth	HL Panelist
	<b>K. Schaferova</b>	Environmental, Social and Governance (ESG) Lead, Sizewell C (SZC)	HL Panelist
	<b>J. Johnson</b>	Communications and Advocacy Director, NuclearEurope	HL Panelist (virtual)
	<b>I. Pavlovic</b>	Head of Energy Transition and Natural Resources Industry Group at Natixis	HL Panelist
	<b>D. Dean</b>	Chairman of International Bank for Nuclear Infrastructure - Implementation Organization Strategic Advisory Group (IBNI-IO SAG)	HL Panelist

15:00-15:15 *Coffee Break / Poster Session*

## TUESDAY, 10 OCTOBER 2023

**15:15–17:00**     **TECHNICAL SESSION 1.1: Nuclear power contribution to climate change mitigation: NDCs, LT's, Energy Compacts and SDGs**     **Venue (M3-Board Room B/M1)**

**Chairperson:**     **Hal Turton, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	23	<b>S. R. Joseph</b>	Nigeria	Nigeria's landmark in realization of net-zero carbon emission target: accomplishments and prospects
15:32–15:44	157	<b>H. Schneider</b>	Switzerland	Nuclear energy under Article 6.8 of the Paris Agreement
15:44–15:56	82	<b>H. K. Angeyo</b>	Kenya	A carbon footprint appraisal of the development of Kenya's Nuclear Power Program
15:56–16:08	169	<b>S. Rasmeni</b>	South Africa	Overview of Africa's renewable energy sector and nuclear power plans
16:08–16:20	51	<b>R. Eljarian</b>	Jordan	The contribution of nuclear energy to accelerating progress toward low-carbon energy
16:20–16:32	21	<b>S. R. Joseph</b> (on behalf of A. Ibrahim)	Nigeria	The role of nuclear power in the generation of electricity for industrial, economic development and sustainability while mitigating climate change in Africa
16:32–16:44	99	<b>H. Majid</b>	Pakistan	Mainstreaming nuclear power in Pakistan: prospects and challenges
<i>17:00–18:00 Side event</i>				

## TUESDAY, 10 OCTOBER 2023

**15:15–17:00**    **SESSION 1.4 (a): Net Zero modelling:  
integrated energy system modelling  
scenarios**

**Venue (ROOM M2)**

**Chairperson:**    **S. Milne, National Nuclear Laboratory (NNL)**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	128	<b>M. Hjelmeland</b>	Norway	Capacity expansion planning for a low-carbon Nordic electricity system
15:32–15:44	150	<b>M. Tripathi</b>	France	TerraWater: an energy relay race
15:44–15:56	65	<b>M. A. Nyasapoh</b>	Ghana	Energy transition and investment decisions in Africa: a cost analysis of Ghana's emissions reduction trajectories
15:56–16:08	117	<b>F. Kausar</b>	Pakistan	A technical optimization study of nuclear renewable integrated energy systems as a carbon free energy resource for the future
16:08–16:20	155	<b>P. M. Maffia Da Silva</b>	Brazil	Combining energy planning tools and methodology to contribute to the climate Change challenges achievement
16:20–16:32	162	<b>N. Stauff</b>	United States of America	Integrated system analysis to identify decarbonization pathways and no-regret investment strategies to accelerate just transitions toward clean, resilient, and climate-neutral energy systems
16:32–16:44	96	<b>O. Y. Kutlu</b>	Türkiye	Optimum sizing of nuclear renewable hybrid energy system with hydrogen plant: a case study for Türkiye
<hr/> <i>17:00–18:00 Side event</i> <hr/>				

## TUESDAY, 10 OCTOBER 2023

**15:15–17:00**    **TECHNICAL SESSION 2.4: Access to green finance frameworks, incentives to attract investments**

**Venue (ROOM M3)**

**Chairperson:**    **M. Cometto, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:30–15:42	71	<b>M. Kovachev</b>	Bulgaria	International Bank for Nuclear Infrastructure (IBNI) initiative, the missing link to enable nuclear in achieving climate scale
15:42–15:54	57	<b>I. Rebrov</b>	Russian Federation	ESG linked financing to support global energy transition (virtual)
15:54–16:06	122	<b>P. Lion</b>	Russian Federation	Integration of nuclear energy into regulatory framework of low-carbon economy
<hr/> <i>17:00–18:00 Side event</i> <hr/>				

## TUESDAY, 10 OCTOBER 2023

**17:00-18:00**    **SIDE EVENT: HOW CAN CLIMATE SCENARIO  
MODELLING INFLUENCE NUCLEAR  
INVESTMENTS?**

**Venue (Board Room  
B/M1)**

**Moderator:**    **H. Paillere, IAEA**

Time	Name	Designating Member State/Organization	Title
17:00 – 18:00	<b>K. Lee</b>	Head of Policy and Industry Engagement, World Nuclear Association (WNA)	Side Event Speaker
	<b>F. Dassa</b>	Head of Prospective and International Relations, Électricité de France (EDF)	Side Event Speaker
	<b>M. Bowen</b>	Senior Research Scholar, Columbia University Center on Global Energy Policy (CGEP)	Side Event Speaker
	<b>B. Santhouse-James</b>	UNFCCC's Youth Constituency YOUNGO	Side Event Speaker

## WEDNESDAY, 11 OCTOBER 2023

9:30-10:30 **HIGH LEVEL PANEL: INNOVATIVE  
TECHNOLOGIES AND SMALL MODULAR  
REACTORS**

**Venue (Board Room  
B/M1)**

**Moderator:** **A. des Cloizeaux, IAEA**

Time	Name	Designating Member State/Organization	Title
9:30 – 10:30	<b>Z. Petrovicova</b>	Head of unit, Directorate- General Energy (ENER), European Commission (EC)	HL Panelist
	<b>C. Gully</b>	Director, Canadian Nuclear Association (CNA)	HL Panelist
	<b>M. B. Tyobeka</b>	Vice-Chancellor, North- West University, South Africa	HL Panelist
	<b>O. M. Peixoto</b>	Vice President, Associação Brasileira para o Desenvolvimento de Atividades Nucleares (ABDAN)	HL Panelist
10:30–10:45	<i>Coffee Break / Poster Session</i>		

## WEDNESDAY, 11 OCTOBER 2023

**10:45–12:30**    **TECHNICAL SESSION 3.2: Keys to fast deployment of advanced nuclear reactors and Small Modular Reactors**

**Venue (Board Room B/M1)**

**Chairperson:**    **I. Pletukhina, Hunton Andrews Kurth**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	111	<b>M. Wang</b>	China	China's policy formulation and technological innovation empower nuclear energy in promoting global clean energy transitions
11:02–11:14	148	<b>S. Pikh</b>	Russian Federation	SMR: pilot project in Yakutia (Virtual)
11:14–11:26	171	<b>H. Khan</b>	United States of America	Fission for the future
11:26–11:38	120	<b>A. A Khan</b>	Pakistan	Evaluating small modular reactors for mitigating climate change
<i>12:30–14:00 Lunch Break / Side event</i>				



## WEDNESDAY, 11 OCTOBER 2023

**10:45–12:30**    **TECHNICAL SESSION 4.2 (a): Effective stakeholder engagement strategy**

**Venue (ROOM M2)**

**Chairperson:**    **H. Schneider, Nuclear Forum Switzerland**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	84	<b>A. Yustus</b>	Russian Federation	Nuclear energy 2.0: the new public image
11:02–11:14	147	<b>M. Tripathi</b>	France	Civil society contribution to level the field for nuclear energy development: lessons learned from the French case
11:14–11:26	79	<b>S. Aksoy</b>	Türkiye	The correlation between nuclear literacy and climate change goals
11:26–11:38	15	<b>C. Omondi (presentation given by E.Wandera)</b>	Kenya	Opportunities for nuclear professional association in addressing climate change
<i>12:30–14:00 Lunch Break / Side event</i>				

## WEDNESDAY, 11 OCTOBER 2023

**10:45–12:30**     **TECHNICAL SESSION 3.1: Innovations  
sustainability of the nuclear fuel cycle**

**Venue (ROOM M3)**

**Chairperson:**    **A. Khaperskaia, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	93	<b>S. Feutry</b>	France	Nuclear flexible operation for a new carbon electricity mix
11:02–11:14	95	<b>M. Baryshnikov</b>	Russian Federation	Sustainable nuclear fuel cycle as the most efficient and responsible way of nuclear fuel use
11:14–11:26	104	<b>A. Kashirskii</b>	Russian Federation	Two-component nuclear energy system: Generation IV nuclear reactor technologies
11:26–11:38	89	<b>M. S. Rahman</b>	Bangladesh	Advanced nuclear energy technology to reduce climate mitigation cost
<i>12:30–14:00 Lunch Break / Side event</i>				

## WEDNESDAY, 11 OCTOBER 2023

**12:30-13:30**    **SIDE EVENT: REIMAGINING COAL COMMUNITIES**    **Venue (Board Room B/M1)**

**Moderator:**    **S. M. Charrez, Clean Energy Future (NICE Future) Initiative**

Time	Name	Designating Member State/Organization	Title
12:30 – 14:00	<b>S. B. Sitton</b>	Division Director, Idaho National Laboratory (INL)	Side Event Speaker
	<b>G. Stanke</b>	Miss America Organization	Side Event Speaker (virtual)
	<b>J. Goodman</b>	Senior Advisor, Defense Nuclear Nonproliferation, National Nuclear Security Administration	Side Event Speaker
	<b>K. Cutler</b>	Senior Strategist for Nuclear Innovation, U.S. Department of State	Side Event Speaker
	<b>C. Tomlin</b>	Senior Technical Leader, EPRI	Side Event Speaker
	<b>E. Wandera</b>	Senior Corporate Affairs & Communications Officer, NuPEA	Side Event Speaker

## WEDNESDAY, 11 OCTOBER 2023

**14:00-15:00 HIGH LEVEL PANEL: NUCLEAR AND LOW CARBON HYDROGEN**

**Venue (Board Room B/M1)**

**Moderator: E. Teplinskiy, Pillsbury**

Time	Name	Designating Member State/Organization	Title
14:00 – 15:00	<b>P. Schwager,</b>	Chief, Climate and Technology Partnerships (CTP) Division, UNIDO	Keynote Speaker
	<b>H. Hayafune</b>	Deputy Director-General Sector of Fast Reactor and Advanced Reactor Research and Development, Japan Atomic Energy Agency (JAEA)	HL Panelist
	<b>P. Stohr</b>	Director Commissariat à l'énergie atomique et aux énergies alternatives (CEA)	HL Panelist
	<b>A. J. Maxwell</b>	Senior Nuclear Expert, Clean Air Task Force (CATF)	HL Panelist
	<b>A. Goicea</b>	Policy Director NuclearEurope	HL Panelist
15:00–15:15	<i>Coffee Break / Poster Session</i>		

## WEDNESDAY, 11 OCTOBER 2023

**15:15–17:00**     **TECHNICAL SESSION 3.3 (b): Deployment of non-electric applications including hydrogen, hybrid energy systems**     **Venue (Board Room B/M1)**

**Chairperson:**     **A. J. Maxwell, Clear Air Task Force**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	127	<b>N. Anuar</b>	Malaysia	Strategies for accelerating hydrogen production commercialization with nuclear-renewable hybrid energy system in Malaysia
15:32–15:44	153	<b>J. K. Nøland</b>	Norway	The role of nuclear-derived hydrogen to decarbonize hard-to-abate sectors
15:44–15:56	168	<b>J. Droin</b>	France	HEXANA – Sovereign low-carbon energies production
15:56–16:08	58	<b>C. Tomlin</b>	United States of America	Overview of the EPRI nuclear energy in the district energy applications (NuIDEA) Initiative
16:08–16:20	126	<b>S. Wild</b>	United Kingdom	Using microreactors to decarbonise the defence industry
<i>17:00–18:00 Side event</i>				

## WEDNESDAY, 11 OCTOBER 2023

**15:15–17:00**     **TECHNICAL SESSION 2.2: Policies: level playing field recognizing value of nuclear power and human resources development**     **Venue (ROOM M2)**

**Chairperson:**     **P. Lion, ROSATOM**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	129	<b>M. Hjelmeland</b>	Norway	The case for nuclear energy in a sustainable world
15:32–15:44	31	<b>B. Aregga</b>	Ethiopia	Ethiopia's energy policy implementation aligned with SDGs to mitigate climate change
15:44–15:56	124	<b>A. M. Khan</b>	Pakistan	Mitigating effects of climate change through nuclear energy: policies and options for sustainable development of Pakistan
15:56–16:08	90	<b>Z. Wang</b>	China	Status and role of nuclear Power in China's clean energy transition
16:08–16:20	17	<b>H. C. Odoi</b>	Ghana	Human resource development for Ghana's nuclear power program: contribution by the Ghana Research Reactor-1 Facility
16:20–16:32	26	<b>S. Çam</b>	Türkiye	Mobilizing multi-stakeholders, including teachers, talents and young generation groups, to facilitate the global dialogue about nuclear and climate change: a TENMAK case from Türkiye
<hr/> <i>17:00–18:00 Side event</i> <hr/>				

## WEDNESDAY, 11 OCTOBER 2023

15:15–17:00 TECHNICAL SESSION 1.2: Attributes of nuclear power

Venue (ROOM M3)

Chairpersons: H. Turton, IAEA

Time	Presentation	Name	Designating Member State/Organization	Title
15:20–15:35		<b>Z. Qifu</b>	China	Actively developing nuclear power in a safe and orderly manner to assist China in achieving its goal of emission peak and carbon neutrality

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:35–15:47	45	<b>M. Akat</b>	Türkiye	The role of nuclear energy in Türkiye's climate change mitigation strategies
15:47–15:59	80	<b>A. Zbib</b>	United States of America	The clean energy mix of the future in the Pacific Northwest and the role of nuclear energy
15:59–16:11	54	<b>J. Arora</b>	India	Positioning of nuclear power in the global energy transition
16:11–16:23	83	<b>K. Perche</b>	France	Preservation of biodiversity and nuclear production: the new challenges linked to climate change
16:23–16:35	152	<b>I. Hanine</b>	France	Economic evaluation and analysis of the German and French grids environmental footprint within the scope of the production and implications of nuclear power plant closures
16:35–16:47	76	<b>K. Artemiev</b>	Russian Federation	The development of nuclear power in Russia as a key driver for the energy transition and the achievement of the UN SDGs

17:00–18:00 *Side event*

## WEDNESDAY, 11 OCTOBER 2023

17:00-18:00 **SIDE EVENT: CLEAN HYDROGEN FROM NUCLEAR FOR ENABLING NETZERO**

**Venue (Board Room B/M1)**

**Moderator: A. Constantin, IAEA**

Time	Name	Designating Member State/Organization	Title
17:00 – 18:00	<b>T. Lulashnyk</b>	Ambassador of Canada to Austria and Permanent Representative to the International Organizations in Vienna	Opening Remarks
	<b>L. Jacobs</b>	Vice President, Ontario Tech	Side Event Speaker
	<b>E. Teplinsky</b>	Nuclear Hydrogen Initiative	Side Event Speaker
	<b>C. Gully</b>	Director, Canadian Nuclear Association (CNA)	Side Event Speaker
	<b>M. Moore</b>	Acting Technical Manager of Energy Systems and Emerging Technologies, Canadian Nuclear Laboratories (CNL)	Side Event Speaker
	<b>C. Martin</b>	Director, Global Technology Development, Westinghouse Electric Company	Side Event Speaker
	<b>Aline Des Cloizeaux</b>	Director, IAEA	Closing Remarks



## THURSDAY, 12 OCTOBER 2023

**9:30-10:30 HIGH LEVEL PANEL: NUCLEAR SAFETY AND CLIMATE RESILIENCE**

**Venue (Board Room B/M1)**

**Moderator: P. Contri, IAEA**

Time	Name	Designating Member State/Organization	Title
9:30 – 10:30	<b>B. Crowell</b>	Commissioner, U.S. Nuclear Regulatory Commission	Keynote Speaker
	<b>J.C. Niel</b>	Direct-General, Institut de Radioprotection et de Sûreté Nucléaire (IRSN)	HL Panelist
	<b>R. Boscolo</b>	Climate and Energy Leader, World Meteorological Organization (WMO)	HL Panelist
	<b>C. Viktorsson</b>	Director General, Federal Authority for Nuclear Regulation (FANR), United Arab Emirates	HL Panelist
10:30–10:45	<i>Coffee Break / Poster Session</i>		

## THURSDAY, 12 OCTOBER 2023

**10:45–12:30**    **TECHNICAL SESSION 1.3: Resilience and safety**    **Venue (Board Room B/M1)**

**Chairperson:**    **Z. Gulerce, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	138	<b>A. Rodrigues De Carvalho</b>	Brazil	Long-term safety and governance of nuclear energy in climate emergency cities
11:02–11:14	43	<b>R. Yaccup</b>	Malaysia	Potential impact of climate change including extreme events on small modular reactor site – a review of Sabah, Malaysia
11:14–11:26	165	<b>M. Umer</b>	Pakistan	Nuclear power plants in a changing climate: Balancing safety, economics, and sustainability for long-term
11:26–11:38	46	<b>G. Gungor</b>	Türkiye	Probabilistic flood hazard assessment for a coastal nuclear power plant using climate change projections
11:38–11:50	19	<b>M. F. A. Abdullah</b>	Malaysia	Climate change induced climate variabilities and extremes over Malaysia: impact on the monsoons
<i>12:30–14:00 Lunch Break / Side event</i>				

## THURSDAY, 12 OCTOBER 2023

**10:45–12:30**    **TECHNICAL SESSION 4.1: Role of international cooperation and partnerships**

**Venue (ROOM M2)**

**Chairperson:**    **K. Doty, Pacific Northwest National Laboratory**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	106	<b>L. Gehrig</b>	United States of America	Expanding nuclear energy to reach net-zero: Balancing nonproliferation opportunities and risks
11:02–11:14	59	<b>C. J. Guembou Shouop</b>	Cameroon	Will SMRs be accepted as a clean nuclear energy source for developing countries? Cameroon projection (virtual)
11:14–11:26	173	<b>R. Al Falahi</b>	United Arab Emirates (UAE)	Strategies for cooperation, stakeholder engagement, and mobilizing diverse groups
11:26–11:38	172	<b>A. Stott</b>	Vienna Center for Disarmament and Non-Proliferation (VCDNP)	Can increasing the peaceful uses of nuclear science and technology for non-power applications in developing countries create an enabling environment for nuclear power in these countries?
<i>12:30–14:00 Lunch Break / Side event</i>				

## THURSDAY, 12 OCTOBER 2023

**10:45–12:30 TECHNICAL SESSION 4.3: Mobilizing women and the youth to facilitate global dialogue**

**Venue (ROOM M3)**

**Chairperson: K. Madden, IAEA**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
10:50–11:02	44	<b>S. Korraa</b>	Egypt	Nuclear technology the imperative solution for African women health and socioeconomic status
11:02–11:14	102	<b>I. I. Arissó</b>	Women in Nuclear (WiN)	Women in Nuclear (WiN) global's role in elevating young generation engagement for global dialogue
11:14–11:26	121	<b>L. Shasko</b>	Canada	How visual science fiction storytelling using the social media platform Instagram could positively mobilize women and young generations to facilitate global dialogue on nuclear power as a sustainable, low-carbon energy source
11:26–11:38	136	<b>H. Fenwick V. Sunassy</b>	United Kingdom Mauritius	Mainstreaming nuclear power and its applications as a sustainable, low-carbon source through a grassroots, youth-led initiative at COP
11:38–11:50	141	<b>M. Hussain</b>	Pakistan	Accentuating nuclear power's role in net-zero world through international outreach, cooperation and engagement strategies
11:50–12:02	123	<b>R. Asaba</b>	Uganda	Mobilizing multi-stakeholders, including women and young generation groups, to facilitate the global dialogue-a case study for Uganda
12:02–12:14	72	<b>E. Onyango</b>	Kenya	Milestones of the African young generation in nuclear (AYGN) in its advocacy for nuclear energy as a solution to climate change in Africa (virtual)
<b>12:30–14:00 Lunch Break / Side event</b>				

## THURSDAY, 12 OCTOBER 2023

**12:30-13:30**    **SIDE EVENT: RIVER-BASED NUCLEAR POWER PLANTS: HOW TO OPERATE SUSTAINABLY IN THE FACE OF CLIMATE CHANGE**

**Venue (Board Room B/M1)**

**Moderator:**    **D. Ohayon, Électricité de France (EDF)**

Time	Name	Designating Member State/Organization	Title
12:30 – 13:30	<b>K. Perche</b>	Deputy Head of the DIPDE engineering Department, Électricité de France (EDF)	Side Event Speaker
	<b>H. Cordier</b>	Senior Expert of Nuclear Safety and Hazard Assessment, Électricité de France (EDF)	Side Event Speaker
	<b>S. Parey</b>	Senior Engineer, Électricité de France (EDF)	Side Event Speaker

## THURSDAY, 12 OCTOBER 2023

**14:00-15:00**    **HIGH LEVEL PANEL: EFFECTIVE STAKEHOLDER ENGAGEMENT COMMUNICATION STRATEGIES: YES IN MY BACKYARD**    **Venue (Board Room B/M1)**

**Moderator:**    **J. Donovan, IAEA**

Time	Name	Designating Member State/Organization	Title
14:00 – 15:00	<b>V. Faudon</b>	Direct-General, French Nuclear Society (SFEN)	HL Panelist
	<b>R. Ghoneim</b>	Chief, Energy systems and Infrastructure Division (EID), United Nations Industrial Development Organization (UNIDO)	HL Panelist
	<b>A. Harjanne</b>	Green Party Finland	HL Panelist
	<b>K. Cunningham</b>	PhD. student, Massachusetts Institute of Technology (MIT)	HL Panelist
15:00–15:15	<i>Coffee Break / Poster Session</i>		

## THURSDAY, 12 OCTOBER 2023

15:15–17:00 TECHNICAL SESSION 4.2 (b): Effective stakeholder engagement strategy

Venue (Board Room B/M1)

Chairpersons: K. Maphoto, South Africa

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	110	<b>M. Hurlbert</b>	Canada	Building net-zero power production futures in Saskatchewan, Canada
15:32–15:44	161	<b>M. Constantin</b>	Romania	Assessment of the sustainability performances of nuclear and intermittent renewables in the context of climate neutrality objective, by involving experts and stakeholders
15:44–15:56	130	<b>L. Khalayi</b>	Uganda	Implementing an effective and efficient stakeholder engagement strategy in introducing nuclear power as a sustainable, low carbon energy source (a case for Uganda).
15:56–16:08	170	<b>B. Bertaux</b>	IAEA	Climate Fresk – an innovative tool to communicate about climate change
16:08–16:20	53	<b>P. Carter-Cortez</b>	United Kingdom	Nuclear4Climate survey: Mapping the nuclear landscape in the age of the nuclear renaissance
16:20–16:32	115	<b>R. Iqbal</b>	Pakistan	The vital role of nuclear power as a productive source of renewable energy for Pakistan
<i>17:00–18:00 Side event</i>				

## THURSDAY, 12 OCTOBER 2023

**15:15–17:00 TECHNICAL SESSION 1.4 (b): Net zero modelling: integrated energy system modelling, scenarios**

**Venue (ROOM M2)**

**Chairpersons: R. Boscolo, WMO**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	105	<b>A. Van Heek</b>	Netherlands	The potential of combined emissions reduction and value creation by SMRs in energy-intensive industry – an example from the Netherlands
15:32–15:44	47	<b>G. Koca</b>	Türkiye	A case study energy analysis and simulation for integration of SMR and solar system
15:44–15:56	101	<b>N. Jamal</b>	Pakistan	Assessing the role of nuclear power in decarbonizing Pakistan's electricity generation system by 2060
15:56–16:08	175	<b>P. Senra</b>	Brazil	The value of small modular reactors for the expansion of the Brazilian electric system
16:08–16:20	176	<b>H. Bastani,</b>	World Meteorological Organization (WMO)	Building climate resilience: The role of weather, water and climate services for nuclear power
16:20–16:32	178	<b>C. Gully</b>	Canada	Nuclear for net-zero – the Canadian opportunities and challenges
<b>17:00–18:00 Side event</b>				



## THURSDAY, 12 OCTOBER 2023

**15:15–17:00 TECHNICAL SESSION 3.3 (c): Deployment of non-electric applications including hydrogen, hybrid energy systems Venue (ROOM M3)**

**Chairpersons: K. B. Sagheer, Pakistan Atomic Energy Commission**

Time	Paper No.	Name	Designating Member State/Organization	Title of Paper
15:20–15:32	112	<b>Y. Long</b>	China	China's nuclear power development and multi-application of nuclear energy toward net-zero target
15:32–15:44	133	<b>A. Moskvin</b>	Russian Federation	Low-carbon hydrogen production technologies (virtual)
15:56–16:08	42	<b>M. Shaat</b>	Egypt	Use of clean energy from small modular reactors (SMRs) for industrial applications and socioeconomic development
16:08–16:20	30	<b>R. Bhattacharyya</b>	India	Techno-economic analysis of thermal batteries for surplus nuclear heat storage: towards enabling flexible reactor operations
<i>17:00–18:00 Side event</i>				

## THURSDAY, 12 OCTOBER 2023

17:00-18:00 SIDE EVENT: ATOMS4NETZERO NEXTGEN

Venue (Board Room  
B/M1)

Moderator: B. Lazerwitz, IAEA

Time	Name	Designating Member State/Organization	Title
17:00 – 18:00	<b>B. Viswanathan</b>	Sustainable Energy for All (SEforAll)	Side Event Speaker
	<b>A. Cunha da Silva</b>	International Youth Nuclear Congress (IYNC) representative	Side Event Speaker
	<b>K. Cunningham</b>	PhD. Candidate at Massachusetts Institute of Technology (MIT)	Side Event Speaker
	<b>B. Santhouse-James</b>	YOUNGO representative	Side Event Speaker

*18:00 – 19:30 Reception*

## FRIDAY, 13 OCTOBER 2023

**09:30-10:30**      **SPECIAL SESSION: NUCLEAR POWER TO SUPPORT JUST TRANSITION IN THE GLOBAL SOUTH**      **Venue (Board Room B/M1)**

**Moderator:**      **E. Mathet, IAEA**

Time	Name	Designating Member State/Organization	Title
	<b>A. S. Naqvi</b>	Executive Director of Center for International Strategic Studies (CISS) and former Ambassador of Pakistan	HL Panelist
	<b>A. N. Kwashie</b>	Director General, Nuclear Regulatory Authority, Ghana	HL Panelist
	<b>E. W. Wandera</b>	Kenya Electricity Generating Company (KenGen)	HL Panelist
	<b>M. B. Tyobeka</b>	Vice-Chancellor, North-West University, South Africa	HL Panelist
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<i>10:30–11:00</i>	<i>Coffee Break</i>		

## FRIDAY, 13 OCTOBER 2023

**11:00 - 12:30**      **CLOSING SESSION**      **Venue (Board Room B/M1)**

Time	Name	Designating Member State/Organization	Title
11:00–12:30	<b>H. Alkaabi</b>	Conference President, Ambassador of the United Arab Emirates (UAE)	Closing Remarks

## E-Poster Presentations

**TUESDAY, 10 October 2023**

**10:30–10:45 E-POSTER SESSION 1:**

**Venue (optional)**

Paper No.	Author(s)	Designating Member State/Organization	Title of Poster
6	D.A. Lechado	Nicaragua	National experience in energy development and capacity building for the evaluation of policies focused on the diversification of the energy matrix, low emissions and efficient decarbonization of the economy, through the modeling of energy systems
55	T.T. Nguyen	Viet Nam	The social and economic benefits of nuclear power and propose for Vietnam
48	A. Ioannidou	Greece	How education can affect the public opinion on nuclear energy and its role in climate change
74	Y. Jang	Republic of Korea	Analysis of KHNP's R&D strategy planning and implementation status for global clean energy technology development

## E-Poster Presentations

**TUESDAY, 10 October 2023**

**15:00–15:15 E-POSTER SESSION 2:**

**Venue (optional)**

Paper No.	Author(s)	Designating Member State/Organization	Title of Poster
108	I. Souza S. Ferreira, I. Lima	Brazil	Bibliometric analysis of integrating nuclear power as a sustainable and low-carbon energy source
27	D.D. Ene	Romania	Nuclear energy, a path to energy resilience – challenges for the small modular reactors technology in Romania
160	E. Börcsök	Hungary	The evolution of the carbon intensity of electricity generation scenarios in Hungary in line with the European Green Deal

## E-Poster Presentations

**WEDNESDAY, 11 October 2023**

**10:30–10:45 E-POSTER SESSION 3:**

**Venue (optional)**

Paper No.	Author(s)	Designating Member State/Organization	Title of Poster
67	J. Milo	United States of America	A risk informed policy analysis of nuclear power in the electricity markets
37	H. Ten	Libya	Plutonium can help to extend the Reserves of uranium
114	L. LI	China	Science and technology innovation drives the development of nuclear power
125	C. Zengqi	China	Nuclear power on carbon emission reduction and climate change

## E-Poster Presentations

**WEDNESDAY, 11 October 2023**

**15:00–15:15 E-POSTER SESSION 4:**

**Venue (optional)**

Paper No.	Author(s)	Designating Member State/Organization	Title of Poster
69	M. Butsutthiwong	Thailand	Nuclear power plant development plan and carbon dioxide emission reduction
118	R. Mugisa	Uganda	Engagement of the youth is the key for the future of nuclear power program for Uganda
94	N. Khaoa	Egypt	Optimization of nuclear energy to reduce carbon dioxide emissions in Egypt
98	J. Benito	Argentina	Extreme descent of the Paraná river security measures for Atucha NPP's

## E-Poster Presentations

**THURSDAY, 12 October 2023**

**10:30–10:45 E-POSTER SESSION 5:**

**Venue (optional)**

Paper No.	Author(s)	Designating Member State/Organization	Title of Poster
107	T. Rakitskaya	Russian Federation	Global energy transition and perspective for international coordination of national nuclear energy programs: a strategic trilemma in the back end
163	S. Sawe	Tanzania	Introducing nuclear power in developing countries to combat the climate change: an alternative to fossil fuels
49	U.S. Adam	Nigeria	A review of the Nigerian nuclear power programme from the perspective of strategic environmental assessment
166	A. Gerse	Hungary	Delivering security of supply in the transition to a net-zero world: The role of nuclear – power plants in the Central Eastern European region



## E-Poster Presentations

**THURSDAY, 12 October 2023**

**15:00:15:15**

**E-POSTER SESSION 5:**

**Venue (optional)**

Paper No.	Author(s)	Designating Member State/Organization	Title of Poster
36	M.C. Da Costa	Brazil	Nuclear energy – an economically viable source of energy
40	A.A. Hartanto	Indonesia	The role of green house gases validation/verification standards in supporting Indonesian low carbon economy, and its potential application in nuclear energy sector
154	A. Mbhele	South Africa	The Durban floods case study and the role of nuclear

## IAEA PUBLICATIONS RELATED TO THE SUBJECT OF THE EVENT

**2023**

[Nuclear Energy and Climate Change: Questions and Answers on Progress, Challenges and Opportunities](#)

**2022**

[Climate Change and Nuclear Power 2022 | IAEA](#)

**2021**

[The Potential Role of Nuclear Energy in National Climate Change Mitigation Strategies | IAEA](#)

[Nuclear Energy for a Net Zero World | IAEA](#)

**2020**

[Climate Change and Nuclear Power 2020 | IAEA](#)

[Climate Change and the Role of Nuclear Power | IAEA](#)

[Integrated Assessment of Climate, Land, Energy and Water | IAEA](#)

**2019**

[Adapting the Energy Sector to Climate Change | IAEA](#)

[Nuclear–Renewable Hybrid Energy Systems for Decarbonized Energy Production and Cogeneration | IAEA](#)

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### **Proceedings**

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### **2023**

29th IAEA Fusion Energy Conference (CN-316)  
**16-21 October, London, United Kingdom**

International Conference on Waste and Environmental Safety: Integrated Approach to Strengthening Sustainable Development (CN-318)  
**6-10 November, Vienna, Austria**

International Symposium on the Deployment of Floating Nuclear Power Plants: Benefits and Challenges (CN-330)  
**14-15 November, Vienna, Austria**

International Conference on Research Reactors: Achievements, Experience and the Way to a Sustainable Future (CN-319)  
**27-30 November, Dead Sea, Jordan**

### **2024**

International Conference on Enhancing Operational Safety of Nuclear Power Plants (CN-284)  
**15 – 19 April 2024, Beijing, China**

International Conference on Nuclear Security ICONS 2024 (CN-321)  
**20 – 24 May 2024, Vienna, Austria**

International Symposium on Food Safety and Quality Assurance (CN-322)  
**27 – 31 May 2024, Vienna, Austria**

International Conference on the Management of Spent Fuel from Nuclear Power Reactors (CN-323)  
**10 – 14 June 2024, Vienna, Austria**

International Conference on Nuclear Knowledge Management and Human Resources Development: Challenges and Opportunities (CN-324)  
**2 – 5 July 2024, TBA**

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**

Ministerial Conference on Nuclear Science and Technology for Development (CN-328)  
**12 – 14 November 2024, Vienna, Austria**

International Conference on Challenges Faced by Technical and Scientific Support Organizations (TSO) in Enhancing Nuclear Safety and Security: Enhancing science and adaptability in a changing world and creating perspective for a young generation (CN-329)  
**2 – 6 December 2024, Vienna, Austria**

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