

PROGRAMME OF THE XI INTERNATIONAL FORUM ATOMEXPO 2019
“NUCLEAR FOR BETTER LIFE”

15 APRIL

09.00-10.45
Yellow
Conference Hall

Roundtable

Risk Management: New Challenges and Opportunities for Sustainable Development Goals Achievement

Greater competition as well as changes in market conditions and consumer demand has forced energy companies to continuously improve and adapt their risk management, among other things, in order to enhance the effectiveness of their management models.

The main topics for discussions at the round table are:

- What are the new challenges and opportunities for the risk management and its culture development among energy companies?
- How can be project risk management effectively incorporated into the decision-making process of energy companies taking into account the use of tools for a qualitative and quantitative project risk assessment including NPP construction projects?
- What are the most effective mechanisms for integrating the risk management and project management systems of energy companies?

Moderator:

Peter Bird, Senior Adviser, Rothschild.

Speakers:

King Lee, Director Harmony Programme, World Nuclear Association (WNA);

Erkki Palonen, Program Risk Manager, Fennovoima;

David Drury, Head of Nuclear Knowledge Management, IAEA;

Sergey Novikov, State Secretary - Deputy Director General for Execution of State Powers and Budgeting of ROSATOM;

Jan Štancl, Deputy CEO, Member of the Board, Škoda Praha.

09.00-10.45
Green
Conference Hall

Roundtable

Prospects for Developing Partnerships between Internal Audit and Business

The ability of business to continuously improve efficiency, productivity and safety, as well as to increase its social focus are the formula for success in achieving sustainable development goals and enhancing the public acceptance of business.

The main objective of an internal audit of a business partner is to find and offer optimal solutions for development, build confidence in the achievement of strategic business goals and improve the efficiency of the internal control system, all of which provides a business with a significant competitive advantage.

In the rapidly changing conditions of the global business landscape, the professional community around the world needs to consolidate its efforts to formulate new tasks and priorities in establishing partnerships between internal audit departments and business.

How does internal audit prove its usefulness to business partners? The experience of world business leaders.

The main topics for discussions at the round table are:

- How does internal audit demonstrate its effectiveness? What criteria for the effectiveness of internal audit are the most popular among management/businesses?
- A vision of the new role of internal audit in the framework of sustainable development goals and the concept of public good.
- Based on our extensive experience, we suggest mechanisms for implementing and evaluating the effectiveness of internal audit in a new role.

Moderator:

Anna Lerner, Director of the Internal Audit Department, PJSC Rostelecom

Speakers:

Egemen Lipinski, Senior Vice President, Internal Audit, Uniper

Wei Tian, Audit Manager, Audit Centre, China National Offshore Oil Corporation

Frank Yam, Governor, IIA Hong Kong

Dmitry Bocharov, Vice President, Internal Control and Audit, Segezha Group

Natalia Tarasova, Director Controlling and Finance Audit (CF A) ACCA, Siemens

Alexander Loktev, Head of Internal Audit and Control – Chief Inspector, SAEC Rosatom

Galina Delvig, Director of the Internal audit, control and risk management Directorate of PJSC Gazprom Neft».

09.00-10.45
Blue
Conference Hall

Roundtable

Investment in Sustainable Development: Opportunities and Challenges

Innovations and technical advances have radically changed the world in the 21st century. The use of the latest technologies is a critical factor for competitiveness in the energy sector as well. In an effort to ensure the kind of sustainable development declared by the UN, industry leaders must understand and respond to the most pressing challenges in a timely manner.

In order to enhance the innovativeness of products and projects and create new technologies, companies will need to find modern approaches that will help to solve the most pressing problems: attracting new investments by searching for unconventional financing mechanisms and developing project financing tools, among other things.

Can the sustainable development agenda ensure the development of optimal financial solutions, will major international players be able to adapt to the new demands, or are new innovative companies destined to require 'sustainable' funding?

The main topics for discussions at the round table are:

- Are 'sustainable' bonds a myth or a reality?
 - The experience of global leaders in the energy sector: investments in traditional business or breakthrough innovations – how should they be properly prioritized?
 - Special aspects of building successful funding models for the projects with a 'sustainable' component.
 - Optimizing financial solutions: project financing and new ways to attract investment.
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- The role of the financial regulator and development institutions in creating conditions for the financing of 'sustainable' projects. Components of the UN user's manual for ensuring sustainable development.

Moderator:

Ivan Kukhnin, Director, Sustainability Services, Deloitte.

Speakers:

Ilya Rebrov, Chief Financial Officer, ROSATOM;

Ian Dixon, Managing Director, Analytical Head of EMEA and APAC, Global Infrastructure & Project Finance, Fitch Ratings;

Grigory Goncharov, Executive Director, Fixed Income, Currency & Commodities, Goldman Sachs;

Dmitriy Tvardovskiy, First Deputy General Director, VEB Infrastructure;

Anatoly Pavlenko, Head of Issuers Department, MOEX;

Elizaveta Turbina, Partner, LECAP;

Mikhail Antonikov, Executive Director, DCM, Bank GPB;

Daria Goncharova, Chief Sustainability Officer, Polymetal.

09.00-10.45
Orange
Conference Hall

Roundtable

Responsible Approach to the Environment and Natural Resources

The degradation of the environment, a lack of natural resources, and population growth mean environmental aspects take centre stage in the implementation of any project. Any decision must take into account the project's environmental impact at the local, regional and global levels.

There is a clear global trend of business processes transitioning to the concept of environmental marketing with the aim of causing minimal environmental damage at all stages of a product's life cycle as well as minimizing the use of natural resources.

The main topics for discussions at the round table are:

- What does the concept of environmental marketing mean for nuclear power? What is the significance of environmental criteria when deciding on the development of nuclear projects at a practical level?
- What is the current situation with environmental safety and what will the nuclear industry's efforts be focusing on in the future? At which stages is recycling used in nuclear power?
- What is the role of international organizations in enhancing the global environmental safety of nuclear power?
- How can a successful dialogue be held with the public on the environmental issues caused by nuclear facilities?

Moderator:

Rebecca Tadesse, Head of Radioactive Waste Management and Decommissioning Division, The Nuclear Energy Agency of the Organisation for Economic Co-operation and Development (NEA OECD);

Dr. Michel Pierrachini, International Cooperation Director, Électricité de France.

Speakers:

Dr. Salah Hafez, President, Energy and Environmental Consultant, Envirionics

Environmental Consulting;

Ruslan Sharafutdinov, Director, PhD, School of Ecology and Geography, Siberian Federal University;

Vladimir Grachev, Advisor to CEO, Environmental Policy Implementation Coordinator, ROSATOM;

Anzhelika Khaperskaya, Senior manager of the Spent Nuclear Fuel Management Project Office, PhD, ROSATOM;

Il Soon Hwang, Chair Professor, Ulsan National Institute of Science and Technology (UNIST); Director, Nuclear Security Research Institute, Republic of Korea.

Mark Glinsky, First Deputy of General Director, FSBI “Hydrospetzgeologiya”;

Philippe Pichery, President of Aube district council, Head of local information commission, France;

Patrice Torres, Head of operations, Director of disposal facilities CSA & C IRES, ANDRA.

09.00-10.45
Gray
Conference Hall

Roundtable

Digital Solutions: from Specialized Nuclear Solutions to Developed Infrastructure Projects in the Energy and Other Sectors of the Economy

Nowadays nuclear industry companies are among the most high-tech enterprises in the world. Their advanced solutions not only meet the highest safety requirements, but also show that nuclear industries in various countries are innovation centres that develop technological insight and unique competences in the IT sector.

The digital technologies used at nuclear enterprises, such as big data, artificial intelligence, and new production technologies, are capable of drastically changing people’s lives in the coming years since they have enormous potential for achieving sustainable development goals.

It’s no secret that building nuclear power plants provides a major boost to regional development. As the heart of electric power, nuclear power plants contribute to the development of municipal infrastructure, the emergence of high-powered manufacturing enterprises, logistic centres, and innovative medical centres. They also provide incentive for creating a new ecosystem that functions as a single, harmonious organism thanks to the digital solutions that have been created.

There are plenty of examples of digital technologies being applied and tested in the nuclear industry. Digital twins, identification and recognition techniques, online diagnostics, and electronic workflow procedures have been firmly established at nuclear energy enterprises for a long time.

All that’s left to do is understand how and which nuclear industry digital technologies should be used for the public good.

The main topics for discussion at the round table are:

- What transformational changes have been influenced by digital solutions?
 - How do digital technologies contribute to achieving sustainable development goals?
 - Can nuclear industry digital solutions be used not only for business and industrial purposes but also for the public good?
 - How can we measure economic and non-economic effects from the introduction of digital solutions?
 - Is there room for international digital cooperation to achieve
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sustainable development goals?

Moderator:

Irina Gayda, Partner, PwC Strategy& Russia

Speakers:

Dr. Pekka Tapani Pyy Senior Expert, Organization & Management Systems, Nuclear Power Engineering Section, Division of Nuclear Power, Department of Nuclear Energy, IAEA;

Gennady Sklyar, Representative to the Duma, Member of Energy Committee;

Ekaterina Solntseva, Chief Digital Officer, ROSATOM;

Andrey Butko, Chief Executive Officer, RASU JSC;

Tatiana Leonova, Vice-Principal, MPhI National Research Nuclear University;

François Verkindt, Head of Utility Segment Strategic Accounts, Schneider Electric;

Philippe Sauvard, I&C BU Executive Vice President, Framatome;

Sun Yongbin, General Manager CTEC (CGN);

Carl Fruth, Chief Executive Officer Fit AG.

11.00-11.40
Opening Area

**OPENING OF THE FORUM
AND VISITING THE EXHIBITION**

12.00-13.30
Plenary Sessions
Hall

**PLENARY SESSION
NUCLEAR FOR BETTER LIFE**

Moderator:

Michael Harms, Executive Director, German Committee on Eastern European Economic Relations (OAOEV).

Speakers:

Alexey Likhachev, Director General, ROSATOM;

William D. Magwood, IV, Director General, The Nuclear Energy Agency of the Organisation for Economic Co-operation and Development (NEA OECD);

Nenad Popović, Minister in charge of innovations and technological development, Government of the Republic of Serbia;

Kamlesh Nilkanth Vyas, Secretary of Department of Atomic Energy and Chairman of Atomic Energy Commission, Republic of India;

Jurabek Mirzamakhmudov, First Deputy Minister of Energy of Uzbekistan, Director of Uzatom;

Dr. Roland Msiska, Head of Zambia Atomic Agency (ZAMATOM);

Gerassimos Thomas, Deputy Director General, DG Energy of European Commission.

13.30-14.30

BREAK

14.30-16.30
Yellow
Conference Hall

Roundtable
Global Alliances as a Condition for Sustainable Development

The modern trends of forming alliances and consortiums for the implementation of mega-projects in construction have a multiplying effect on reaching the eighth

and the ninth goals of sustainable development. Namely, they contribute to economic growth, to positive dynamic in the employment rate. They also impact the infrastructure development and innovation.

The organizational form of such environment, however, changes along with approaches to projects' implementation. A profound understanding of these processes is essential for the construction industry to remain competitive on the global market.

This is especially relevant for the nuclear industry where the scope of nuclear power plants (NPP) construction projects has been growing exponentially each year. This is happening for the obvious reasons: the construction of NPP has a significant positive effect on macro-economic parameters in both customer countries and supplier countries. And, therefore, it is important to discuss the following issues:

The main topics for discussions at the round table are:

- How do alliances for capital projects change approaches to project management and help reduce costs? Based on real-life examples.
- How does Sustainable Development impact supply chain and approaches to packaging?
- How does Sustainable Development change infrastructure projects and approaches to their implementation (benchmarks, timeline, and culture)?
- What should contracting be like in the new environment?

Moderator:

Alexey Khokhlov, Head of Power & Utilities Research, Energy Centre, SKOLKOVO, Moscow School of Management.

Speakers:

Andrey Medvedev, Vice-president for procurement and supplying, Engineering & Construction Division (ASE), ROSATOM;

Grigory Sosnin, Vice-president, Engineering & Construction Division (ASE), ROSATOM;

Xavier Verdier, International Business Development Director, Bouygues TP.

Yang Jae Young, Principal Researcher, KEPCO E&C;

Seung-Yeol Lim, Vice President, Global Strategy Office, KHNP;

Karim Salib, Senior Manager Business Development, Orascom Construction;

Dr. Eng. Moktar Hamdi, Director general, National center of nuclear science and technologies, Tunisia;

Zaytseva Natalia, Director, Laboratory of Sustainable Development, Moscow School of Management, SKOLKOVO;

Andrey Artyushenko, Managing Partner, Artyushenko & Partners, co-author of the 2nd Edition of International Construction Contract Law.

This roundtable discussion will be held in partnership with the National Association of Construction-Engineering Consultants (NACEC).

14.30-16.30
Green
Conference Hall

Roundtable
Preparing for the Future: Innovations and Education
Organizer:
The Nuclear Energy Agency of the Organisation for Economic Co-operation and Development (NEA OECD)

It is now widely recognised that the nuclear sector requires a range of technological and institutional innovations to ensure the safe, secure and sustainable use of nuclear energy, to help meet global energy demand and combat environmental challenges. However, nuclear energy faces significant headwinds and questions remain about whether and when a new wave of nuclear energy technologies will become available for playing a significant role in the energy systems of the future.

An important challenge that the nuclear sector faces is in the area of workforce development and knowledge management. The lack of consistent investments in the research and development of new nuclear energy technologies has created a knowledge and competence gap in many countries which continues to widen. In nuclear industries around the world, researchers and practitioners developed and acquired critical expertise on-the-job through decades of experience. This workforce is aging and approaching retirement. The tacit knowledge and expertise thus remain at risk until pathways for transferring it to the next generation are established.

The purpose of the Round Table is to:

- highlight the main issues in developing and deploying innovations in nuclear energy and educating and training a highly-skilled workforce;
- discuss approaches for international cooperation and how they can be used to strengthen regional education and training programmes.

The main topics for discussions at the round table are:

- Innovations that will transform nuclear energy, including those in non-traditional areas such as AI, “Big Data”, etc.
- New skills and capabilities that are needed for deploying innovative nuclear technologies.
- Countries’ approaches for addressing concerns about the potential loss of nuclear expertise.
- Role and formats for international collaboration in the area of knowledge management and workforce development.

Moderator:

William D. Magwood, IV, Director General, NEA OECD.

Speakers:

Noel Camarcat, Special Advisor for Nuclear R&D and International Issues, Electricité de France;

Pedro Diéguez Porras, Executive Director, European Nuclear Education Network (ENEN);

Tatiana Ivanova, Head of Division on Nuclear Science, Nuclear Energy Agency (NEA);

Mikhail Strikhanov, Rector, National Research Nuclear University (MEPhI);

Alexander Tuzov, Director, Research Institute of Atomic Reactors (RIAR).

14.30-16.30
Blue
Conference Hall

Roundtable
Building Nuclear Infrastructure as a Key Component for the Sustainability of Nuclear Projects

National nuclear projects are designed to help achieve sustainable development

goals. The comprehensive development of nuclear infrastructure involves the large-scale development of human resources, the creation of a regulatory and legal framework to regulate nuclear energy, and improving a country's scientific potential for the use of nuclear and radiation technologies in industry, agriculture, science, and medicine. When adopting measures to develop nuclear infrastructure, a government must address a number of issues such as providing comprehensive and high-quality education, encouraging lifelong learning opportunities, creating sustainable infrastructure, promoting systemic industrialization and innovation, and creating effective institutions at all levels that have a broad level of involvement.

Nuclear infrastructure is essential to the successful implementation of national nuclear projects, but its development requires special attention.

What are some of the specific aspects of regulating nuclear projects? How can we build workforce capacity and improve the system for the integrated management and involvement of industry when implementing projects to build nuclear facilities?

Moderator:

Elina Teplinsky, Partner, Pillsbury Law.

Co-moderator:

Dr. Alexander Bychkov, Representative of State Atomic Corporation "Rosatom" in Vienna / Senior Counsellor, Permanent Mission of the Russian Federation to the International Organizations in Vienna.

Speakers:

Michail Chudakov, Deputy Director General, Head of the Department of Nuclear Energy, IAEA;

David Drury, NKM Section Head, IAEA;

Prof. Dr. Amged El-Wakeel, Board Chairman, Nuclear Power Plants Authority.

Greg Kaser, Senior Project Manager, World Nuclear Association (WNA);

Ibrahim Halil Dere, General Director of the General Department for Nuclear Energy, Ministry of Energy and Natural Resources, Turkey;

Tony Hemminki, president and CEO, Fennovoima;

Jose BASTOS, Technical lead on nuclear power infrastructure for countries embarking in new nuclear power programmes, nuclear energy department, IAEA;

Dr. Roland Msiska, head of ZAMATOM, Zambia;

Jurabek Mirzamakhmudov, First Deputy Minister of energy of Uzbekistan, Director of Uzatom.

14.30-16.30
Orange
Conference Hall

Roundtable
Carbon-Free Generation in the Energy of the Future

The global energy market is undergoing a major transformation. More and more attention is being paid to a reduction in GHG emissions, there has been a gradual transition to distributed generation, an increase in the level of digitalization and the intensity of new technologies being utilized. The transition process has a significant impact on the structure of the global energy mix, alters the roles of key energy market players, and provides better access to affordable, reliable, sustainable, and modern energy.

The main topics for discussions at the round table are:

- Low-carbon generation trends.
- Business models in the renewable energy market.
- The role of SMR in the energy mix of the future.
- New opportunities for hydrogen energy.
- The role of energy consulting in forming the energy mix of the future.

Moderator:

Anton Poryadin, Partner, EY.

Speakers:

Chris Gadowski, Senior Nuclear Analyst, Bloomberg;

Vasiliy Savin, Partner, KPMG;

Anton Moskvin, Vice President, Marketing and Business Development, Rusatom Overseas;

Alexander Korchagin, CEO, NovaWind;

Denis Borisov, Senior Project Manager, Roland-Berger.

14.30-16.30
Gray
Conference Hall

Roundtable
Human Capital as a Factor for Economic Growth:
From National Interests to International Cooperation

Developing human resources for the economy of the future is one of the global community's key challenges at the moment. According to the OECD, more than 35 per cent of current employees are not compatible with employers' demands and the gap continues to expand. Experts estimate that a lack of professionals results in a shortfall of USD 2.1 trillion in profits for the global economy each year.

Technological breakthroughs provide unprecedented development opportunities for the global economy, but also set higher standards for human resources. Structural deficiencies and challenges related to the development of human resources call into question the speed and effectiveness of how many countries will transition to the economy of tomorrow and be able to fully utilize their technological potential.

The transformation of global labour markets and global employment as well as the speed and complexity of technological and social changes force us to take the appropriate measures and review the principals of international cooperation.

The main topics for discussions at the round table are:

- Human orientation and mass personalization: the feasibility of the concept From Personnel to Talents, and an HR training system that aims to maximize the development and use of each human's potential for the best of the economy.
 - Rapid adaptation for the diversity of an employee's needs, involvement, and preservation as well as the development of human capital and the creation of conditions for inclusive development.
 - Creation of a local labour market by the government that functions efficiently for the open collaboration of its participants as well as the creation of the conditions needed for the thorough transformation of the training system in order to update its content and boost both the availability and speed of training.
 - Best practices of national and industrial mobility growth.
 - Effectiveness of existing approaches to human resources development in terms of sustainable development goals and a niche
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for new initiatives at the national and international levels.

Moderator:

Vladislav Butenko, Senior Partner & Managing Director, BCG Moscow Office.

Speakers:

Agneta Rising, Director General, World Nuclear Association (WNA);

Fernando Gonzalez Bermudez, First Deputy Minister of Science, Technology and Environment, The Republic of Cuba;

Javier Guerra, CEO, «TECNATOM»;

Callum Thomas, CEO, Thomas Thor Associates;

Nadine Dereza, Expert, CNBC, Ambassador for Workers' Educational Association (WEA);

Tatyana Terentyeva, Chief Human Resources Officer, ROSATOM;

Elena Shmeleva, Foundation Director, Talent and Success;

Ekaterina Loshkareva, Deputy Director General, WorldSkills Russia;

Vera Solomatina, Chief Human Resources Officer, SAP CIS;

Fedor Dudyrev, Director, TVET Research Centre at Higher School of Economics Education Institute.

18.00-19.30
Radisson Blu
Resort &
Congress Centre

ATOMEXPO AWARDS CEREMONY

19.30-21.30
Radisson Blu
Resort &
Congress Centre

GALA DINNER ON THE OPENING DAY OF THE FORUM

16 APRIL

09.30-10.00
Yellow
Conference Hall

REPORT "CURRENT STATUS OF POST-ACCIDENT FUKUSHIMA"

Tatsuya Shinkawa, Director-General for International Energy and Technology Cooperation, Director-General for Nuclear Accident Disaster Response, Ministry of Economy, Trade and Industry of Japan.

"Fukushima 8-years After the Accident: The Current Status of the NPP, Surrounding Areas, and Confidence Building";

Masumi Ishikawa, General Manager, Tokyo Electric Power Company.

"Fukushima Daiichi Decontamination and Decommissioning: Current Status and Challenges"

10.00-12.00
Yellow
Conference Hall

Roundtable

Humanitarian Support of Business and Public Confidence: Practices of Collaborating with Local Communities

Efforts by business to achieve sustainable development goals may yield much greater results if local communities and representatives of civil society actively collaborate and get involved in the implementation of joint humanitarian initiatives.

The purpose of the panel discussion is to discuss the most successful practices and search for promising formats of collaboration with the public and local groups of stakeholders that contribute to the long-term public confidence of

business projects.

The main topics for discussions at the round table are:

- How can the impact of business activities in local markets that aim to achieve the UN sustainable development goals be intensified?
- How can public interest be generated/increased for the support of projects that impact the achievement of the UN sustainable development goals?
- What methods can be used to generate public confidence today? How are the formats for collaboration with local stakeholder groups and communities changing?
- How has society's attitude towards business activities changed when implementing projects that impact the achievement of the UN sustainable development goals?

Moderator:

Elena Kostenko, Director, Institute of Humanitarian Technologies, Professor at the RANPEA (the Russian Presidential Academy of the National Economy and Public Administration).

Speakers:

Kirill Komarov, Deputy General Director for Development and International Business, Rosatom State Nuclear Energy Corporation;

Lyubov Glebova, First Deputy Chair of the Federation Council Committee on the Rules of Procedure and Parliamentary Governance;

Alexander Merten, President, Rusatom International Network;

Evgeny Salkov, General Director, JSC "Rusatom Service";

Ari Nurkkala, Mayor of Raase, Finland;

Juan Pablo Gomez Omil, President, Argentine Youth Nuclear Generation;

Cathy Pieters, Director, Cocoa Life Program, Mondelez International;

Anthony Darcy, Head of Corporate Responsibility Reporting, communications and customer relations, NOKIA;

Basett Buyukah, Director, Publicity and Advocacy, Kenya Nuclear Electricity Board.

10.00-12.00
Green
Conference Hall

Roundtable

Nuclear Medicine: Trends, Innovations and Best Practices

Nuclear medicine is currently one of the most dynamically developing areas in the healthcare sector. The methods used in nuclear medicine have taken the fight against cancer and other diseases to a completely new level due to their extremely high level of efficiency and, in some cases, the lack of any alternatives, both in the diagnosis of numerous diseases as well as the therapy for their treatment, particularly oncological diseases. The goal of the roundtable is not only to discuss market trends, but also to plot a course for future research and cooperation in this area.

The main topics for discussions at the round table are:

- Challenges of modern nuclear medicine.
 - Promising trends in radionuclide therapy.
 - Trends in molecular imaging: from equipment to advanced tracers.
 - The best therapy of the future. Where is the industry headed?
 - Development of nuclear medicine and medical radiology in countries
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that are new to the game. IAEA support measures.

Moderator:

Roberto La Forgia, Founder, BeForPharma

Speakers:

Alexander Shibanov, General Director, Rusatom Healthcare;

Dr. Emerson Soares Bernardes, R&D coordinator, CNEN-IPEN (Brazil);

Galina Kodina, Head of the Department of radiation technologies for medical purposes, Ph. D., associate Professor, Burnasyan A.I. Federal Medical Biophysical Centre of Federal Medical Biological Agency;

Aydin Küçük, General Manager, Eczacıbaşı-Monrol (Turkey);

Waldemar Kolodziej, Vice President Region Eastern Europe, Elekta LLC (Sweden);

Natalia Veselkova, PhD, Medical advisor, GE Healthcare.

10.00-12.00
Blue
Conference Hall

Roundtable

What Mix of Nuclear and Renewables can Best Achieve Sustainable Development?

Organizer:

World Nuclear Association (WNA)

What are the challenges of establishing a 100% low carbon generation mix? Is there such a thing as a single “best possible” generation mix and what are the criteria for evaluating what such a mix would be? If there are multiple options for decarbonization what point must strategies diverge? This panel will explore how to achieve a sustainable energy mix by combining nuclear energy with other low carbon energy sources.

Panellists will describe their experiences of generating electricity in countries with low carbon mixes today and explain what new requirements are placed on nuclear reactor operators. The panel will also discuss how advocates for individual generation technologies can work together to achieve the optimal generation mix.

Speakers:

Christoph Frei, Secretary General & CEO, World Energy Council;

Celso Cunha, President, Brazilian Association for the Development of Nuclear Activities (ABDAN);

Rauli Partanen, Co-founder and CEO, Think Atom.

10.00-12.00
Orange
Conference Hall

Roundtable

New Nuclear Generation: Partnership for Development

Continuous developments in technology result in rapid changes in the economy and business. To meet the demands of tomorrow, we need to identify areas where we can work with the new generation of the nuclear industry that contribute to the development of a culture of partnership, cross-functional networking, and customer-centricity both within individual companies and in the global nuclear community.

The main topics for discussions at the round table are:

- What are the career preferences of young people in Russia and around the world?
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- What areas of work should be prioritized to minimize development barriers: an incentive system, the optimization of organizational structures, or changes in business processes?
- How can collaboration help in the era of global transformation?
- What are some examples of barriers to collaboration being overcome in the global nuclear industry: youth programmes of the global nuclear community and a partnership in the development of new scientific technologies?
- What are some examples of partnership culture in other industries?

Speakers:

Pedro Porras, Executive Director, European Nuclear Education Network;

Vasco Castro, Senior Consultant, Universum;

Julia Uzhakina, Director General, Rosatom Corporate Academy;

Charles Goodnight, President, Goodnight Consulting;

Lena Andriolo, Vice-President, International Youth Nuclear Congress;

Yanko Yanev, CEO, Vienna International Nuclear Competence Center;

Denis Borisov, Senior Project Manager Civil Economics, Energy & Infrastructure, Roland Berger;

Alisa Vasilyeva, Head of Sustainability and Community, Coca-Cola HBC Russia;

Vladimir Tronza, PhD in Technical Sciences, Manufacturing and Assembly Engineer, Tokamak Assembly Division, ITER Organization.

10.00-12.00
Gray
Conference Hall

Roundtable
The Sustainable Development of Cities: The Nuclear Industry's Contribution

At its current stage of technological development, the global nuclear industry is making a significant contribution to the achievement of the UN Sustainable Development Goals. Global nuclear industries have a great impact on the socioeconomic development of cities and regions through the use of innovative solutions that help to boost public access to clean water and desalinated sea water, create a smart and safe urban environment, develop human capital, and improve people's living conditions and quality of life.

The main topics for discussions at the round table are:

- Why is the nuclear industry engaged in the sustainable development of cities and regions?
- What contribution do international organizations and major nuclear industry corporations make to the sustainable development of cities and regions?
- What solutions and tools can cities and regions use to achieve sustainable development indicators?
- How specific cities are solving sustainable development problems?

Moderator:

Natalia Zaytseva, Head of sustainable business center, Moscow school of management Skolkovo.

Speakers:

Ksenia Sukhotina, CEO, "Rosatom Smart Utilities";

Natalia Nikipelova, President, TVEL JSC;

Amaya Celaya Alvarez, Coordinator, Normative and Operations City Resilience

Profiling programme, UN Habitat;
Philippe Dallemagne, Mayor of Soulaines-Dhyus, France;
Péter Szabó, Mayor of Paks, Hungary;
Viktor Svillo, Deputy Chairman, Ostrovets District Executive Committee, Republic of Belarus;
Ibrahim Khamis, Senior Nuclear Engineer, IAET;
Peter Líška, Executive Vice President, Slovak Nuclear Forum;
Alexander Smekalin, Chairman of the Government of the Ulyanovsk region.

12.00-13.30

BREAK

13.30-15.30
Yellow
Conference Hall

Roundtable
Generating a Safer Future Together
Organizer
World Association of Nuclear Operators (WANO)

Safety excellence and performance success are closely linked when it comes to nuclear operations. How do operators communicate effectively and share information to raise the performance of all operators to that of the best? What do organisations involved in new build need to consider to support the transition of new units from construction to operation, in order for them to start up safely and on time? And with managers playing a vital part in delivering excellence and a strong nuclear safety culture, industry experts will consider the question: 'what needs to be done to enhance leadership skills in the nuclear industry?'

Panellists will describe their experiences of how operators can work together, share information and benchmark data to improve performance. They will also discuss the challenges facing the industry's new units and how they should be supported. They will then debate how leadership can positively enhance performance.

Speakers:

Peter Prozesky, CEO, WANO;
Oleg Chernikov, First Deputy Director for Production and Plant Operations, Rosenergoatom;
Jaroslav Holubec, Chairman, WANO Moscow Centre Regional Governing Board and Member of Board of Directors, Slovenské elektrárne;
Jeff Bramblett, Operations Director, WANO Atlanta Centre;
Dr. Ramdas Bhattacharya, Executive Senior Advisor, WANO Tokyo Centre;
Alex Polyakov, Member Support Director, WANO London Office.

13.30-15.30
Green
Conference Hall

Roundtable
Responsible Consumption and Production: Quality Management in the Nuclear Industry's Supply Chains for International Projects

A key condition for ensuring safety at reasonable costs for nuclear facilities is to establish reliable supply chains with a vertically integrated and sustainable quality management system.

In order to build international nuclear industry supply chains in the modern world, the key stakeholders in the nuclear sector must answer the following essential questions:

The main topics for discussions at the round table are:

- How can various national and international rules and standards be taken into account in the international nuclear industry supply chains?
- How can efforts be consolidated at the global level to combat counterfeit and fraudulent products in the nuclear industry?
- The use of an industry-controlled system for the certification of suppliers' quality management systems as a basic condition for participation in industry projects in different countries. Which aspects are essential when building such a system?

Moderator:

Vadim Lapidus, leading Russian management consultant, Academician of the International Academy of Quality (IAQ), Academician of the Academy of Quality Problems of the Russian Federation, Honorary President of the International Guild of Quality Professionals, Member of the American Society for Quality (ASQ), Doctor of Technical Sciences, Professor of the State University Higher School of Economics.

Speakers:

Inna Melchenko, Director of Procurement Department, ROSATOM (welcome speech);

Pekka Pyy, Senior expert, organization & management systems, IAEA;

Greg Kaser, Staff Director - Supply Chain Working Group, WNA;

Andrey Butko, Director general, RASU JSC;

Jörg Aign, Executive Vice president Nuclear, TUV NORD;

Denis Bourguignon, Nuclear technical and development manager, NQSA;

Jacques Laebens, Director of complex projects in nuclear power engineering, Schneider Electric;

Aleksey Ferapontov, Deputy head, ROSTEKHNADZOR.

13.30-15.30
Blue Conference
Hall

Roundtable
Nuclear Technologies as a Key Driver of Scientific and Technological Innovation

The development of nuclear energy entails solving various ambitious challenges in matters concerning basic sciences, engineering, and ecology, among other things. The use of advanced nuclear technologies in industry, healthcare, and space exploration will promote sustainable industrialization, foster innovation development, and open up new opportunities to which such industries previously had no access at all.

The main topics for discussions at the round table are:

- Use of high-temperature gas-cooled reactors for hydrogen production.
- Nuclear batteries.
- Nuclear technologies in space exploration.

Moderator:

Alexsey Khokhlov, Head of the Electric Power Sector, Moscow School of Management SKOLKOVO.

Speakers:

Ulf Kutscher, Managing Director, Nukem Technologies;
Mokrushin Andrey, Deputy Director General for Science, NPO LUCH;
Alexey Beklemeshev, Senior Researcher, BINP SB RAS;
Evgeny Kuznetsov, CEO, Orbita Capital Partners.

16.00-17.00
Plenary Sessions
Hall

DISCUSSION “WHY HUMANS NEED NUCLEAR”

Public rallies of anti-nuclear activists often end up on the front pages of newspapers. But what do we know about the grassroots activists supporting nuclear energy?

What are Mothers for Nuclear activists doing?

Who are ecomodernists?

Who organizes marches in support of the nuclear industry in Germany?

Who initiated the referendum on the preservation of nuclear energy in Taiwan?

Pro-nuclear movements around the world are growing strong. All these people will get the floor in the framework of the discussion, which will be held by the world famous pro-nuclear environmentalist, Michael Schellenberger.

The main topics for discussions at the round table are:

- Role of atomic energy in saving our planet;
- Contribution of grassroots movements in dispelling the myths about nuclear energy;
- Success of the Rosatom’s Wild Edens project in drawing attention to the problem of global warming.

Speakers:

Michael Shellenberger, world's leading pro-nuclear environmentalist, Environmental Progress founder and president (US);

Iida Ruishalme, pro-nuclear activist, member of the Finnish and German Ecomodernists and a “Mother for Nuclear” (Finland);

Frankie Fenton, award-winning producer/director, developing documentary, which follows activists who believe nuclear is the key to solving both our energy and environmental problems (Ireland).

17.00-18.30
Main Media
Centre

A COCKTAIL TO COMMEMORATE THE END OF THE FORUM

18.30

END OF THE FORUM
