INTERNATIONAL CONFERENCE ON

Ensuring Industrial Safety

The role of government, regulations, standards and new technologies

TENTATIVE AGENDA

DAY 1	
09:00 – 09:30	**REGISTRATION AND WELCOME COFFEE**
09:30 – 10:00	**Official opening of the conference and signing of MOU between Rostechnadzor and UNIDO** **Mr. Mikhail Ulyanov**, Ambassador Extraordinary and Plenipotentiary Permanent Representative of the Russian Federation to the United Nations in Vienna **Mr. LI Yong**, Director General, United Nations Industrial Development Organization **Mr. Alexey Aleshin**, Chairman of Federal Environmental, Industrial and Nuclear Supervision Service, Russian Federation
10:15 – 12:00	**Industrial safety and the 2030 Agenda for Sustainable Development and its SDGs** Ensuring industrial safety and security is an important, but often overlooked aspect for realizing the 2030 Agenda for Sustainable Development and associated SDGs (3; 5; 6; 7; 8; 9; 12; 13, 15 and 16). Economic, social and environmental benefits can be realized through pursuing industrial safety and security. Ignoring industrial safety and security, as well as potential damage risk arising from climate change, will lead to lower productivity, competitiveness and resilience, posing a serious risk to the realization of the 2030 Agenda and its SDGs. ISSUES TO BE ADDRESSED: • Understanding all aspects of industrial safety and security • Cost-effective measures to ensure industrial, environmental, and occupational health and safety • Role of risk analysis and tools to be used • The importance of continuous modernization and upgrading of industrial safety systems • Challenges of ensuring Industrial safety and security in developing and least developed countries (LDCs) • Frontier technologies and their implications for industrial safety and security

Day 1	
10:15 – 12:00	**KEYNOTE SPEAKER** **Mr. Bernardo Calzadilla-Sarmiento**, Director of the Department of Trade, Investment and Innovation ,United Nations Industrial Development Organization, UNIDO PANELISTS: **Ms. Franziska Hirsch**, Secretary, Industrial Accidents Convention, UN Economic Commission of Europe, UNECE **Mr. Shirish Ravan**, Senior Programme Officer, UN Office on Outer Space Affairs, UNOOSA **Mr. Neil J. Walsh**, Chief, Cybercrime and Anti-Money Laundering Section, UN Office on Drugs and Crime, UNODC **Mr. Marc Gordon**, Head of Global Risk Analysis and Reporting Unit, United Nations Office for Disaster Risk Reduction, UNDRR
12:00 – 13:30	**LUNCH BREAK**
13:30 – 14:30	**Industrial safety governance** Role of rules, regulations, standards, norms and safety culture for ensuring industrial safety and security. ISSUES TO BE ADDRESSED: • Laws and regulations on industrial safety and security: best practices of effective regulations and mechanisms of their enforcement • Role of industrial safety management systems and industrial safety signs; internationally accepted safety management standards and mechanism of their enforcement • Role of supervisory functions and administrative controls • Role of safety culture • Role of international standards, agreements, protocols, conventions, and guidelines. **KEYNOTE SPEAKER:** **Mr. Alexander Rybas**, State Secretary - Deputy Chairman, Rostechnadzor PANELISTS: **Mr. Ardasheri Mirzozoda**, Deputy Head of the State Supervision of Safe Work in Industry and Mining Supervision Service under the Government of the Republic of Tajikistan **Mr. Shahid Mallick**, Section Head, Programme and Strategy Coordination Section/Office of Safety and Security Coordination, International Atomic Energy Agency, IAEA (tbc) **Ms. Jasmina Karba**, Ministry of Environment and Spatial Planning, Slovenia and Vice-Chair of the UNECE Industrial Accidents Convention
14:30 – 14:45	**COFFEE BREAK**

Day 1	
14:45 - 16:00	***Standards and norms for ensuring industrial safety and security*** Different aspects of industrial safety are not regulated in a uniform way while some aspects of industrial safety are not regulated at all, affecting the overall industrial safety performance. An increasing number of international safety conventions, standards, norms, best practices on management systems and benchmarking tools are available, but do not cover all aspects of industrial safety, and government agencies often lack the capacity to monitor and enforce national standards, which puts industrial safety and security at risk. Standards and norms are helpful to ensure a certain level of safety across different industries, yet, their effective implementation creates challenges for companies. Fulfilling certain ISO standards or norms does not necessarily mean effective industrial safety. ISSUES TO BE ADDRESSED: • Scope of industrial safety standards and their limits • Multiple standards may cover different aspects of industrial safety. How to ensure they contribute to raise overall industrial safety and security? • Management standards vs. management practices; Are certain safety management standards fulfilled in practice? • Costs to implement industrial safety standards and certification, especially in developing countries **KEYNOTE SPEAKER:** **Ms. Kate Field**, Global Product Champion, Health & Safety, BSI PANELISTS: **Mr. Wu Yanyun**, DDG of the Department of Policy & Regulation of Ministry of Emergency Management, PRC **Mr. Martin Cottam**, Group Technical Assurance & Quality Director, Lloyd's Register/ Chair – ISO/TC 283, Occupational Health & Safety Management **Mr. Michael Tooma**, Managing Partner, Clyde & Co
17:00	**GALA RECEPTION AT MOZART ROOM**

Day 2

09:00 – 09:30 REGISTRATION AND WELCOME COFFEE

09:30 – 10:30

Creating safety and security culture in industry

Nurturing safety culture in companies allows to improve safety performance by training employees to adopt certain "safety" values. Creating industrial safety and security culture is a long-term process, requiring setting concrete objectives, goals, as well as key performance indicators (KPI) to measure progress made. Legal aspects are an integral part to a company's safety culture, but efforts should aim beyond legal obligations. Raising the risk awareness within the whole industrial sector can also contribute to the creation of a safety culture within a company.

ISSUES TO BE ADDRESSED:

- *Safety culture within a company is essential to improve safety performance: examples of how to further safety culture within companies*
- *Methods of safety culture building: role of signs; awareness building; training provision*
- *Approaches to safety culture – voluntary and coerced*
- *Voluntary practices as part of corporate social responsibility. How effective are they?*

KEYNOTE SPEAKER:

Mr. David Gold - Managing Director, Gold-Knecht Associates, Chair, IOSH Fire Risk Management Group, Switzerland.

PANELISTS:

Ms. Marian Schaapman, Head of Health & Safety and Working Conditions Unit, European Trade Union Institute (ETUI)

Dr. Robert Drysdale Jefferson, Medical Director, Occupational Health, International SOS, UK

Mr. Jan Przydatek, Associate Director of Programmes, Lloyd's Register Foundation

10:30 – 11:30

Monitoring industrial safety and security

The development and rapid adoption of modern ICT systems presents an opportunity to increase the monitoring quality and improves the means for data collection and benchmarking tools.

ISSUES TO BE ADDRESSED:

- *Proxy data to be used to establish KPI for industrial safety and security.*
- *Knowledge sharing on best practices in collecting data, benchmarking, and using KPIs as well as new technologies, such as Artificial Intelligence (AI) and data analytics, to help governments in their pursuit of improving industrial safety monitoring.*
- *Use of KPIs and benchmarking and industrial safety and security of industrial sites, industrial parks and special economic zones.*

Day 2	
10:30 – 11:30	KEYNOTE SPEAKER: **Mr. Paul Smith**, Austrian Institute of Technology, Vienna PANELISTS: **Mr. JC Sekar**, CEO & Co-Founder, AcuiZen Technologies, Singapore **Mr. Wei Lijun** Vice President, China Academy of Safety Science & Technology **Mr. Michael Struckl**, Federal Ministry of Digital and Economic Affairs, Austria and Vice-Chair of the UNECE Industrial Accidents Convention **Mr. Blaž Markelj**, Professor at Faculty of Criminal Justice and Security, University of Maribor, Slovenia
11:30 – 12:30	**Improving regulatory authorities monitoring capabilities** Government agencies need to adopt innovative approaches to improve their regulatory effectiveness and invest in building their monitoring capacities for ensuring industrial safety and security. ISSUES TO BE ADDRESSED: • *Building skills and capacities of governments at all levels by designing and implementing capacity building programs and knowledge sharing platforms on best practices* • *Enabling developing countries and LDCs to address industrial safety and security more efficiently*. KEYNOTE SPEAKER: **Mr. Paul Logan**, Director of Chemicals, Explosives and Microbiological Hazards Division, HSE, UK PANELISTS: **Ms. Marian Schaapman**, Head of Health & Safety and Working Conditions Unit, European Trade Union Institute (ETUI) **Mr. Shang Wenqi**, Deputy Director-General of the Work Safety Law Enforcement Bureau of Ministry of Emergency Management, PRC **Mr Joaquim Pintado Nunes,** Officer in Charge, Labour Inspection and Occupational Safety and Health Branch, International Labour Organization, ILO
12:30 – 14:00	LUNCH BREAK

Day 2

14:00 – 15:00

Industry 4.0 and industrial safety

Emerging trends in technology advancements, such as big data, cloud computing, artificial intelligence (AI), robotics, 3D printing, simulation and visualization models and convergence of technologies (biotechnology, nanotechnology, information technology and cognitive sciences) are creating new opportunities and challenges for securing industrial safety. A range of devices can be fitted onto equipment capable of detecting and reporting a risk to industrial safety and security. Industry 4.0 will make some work environments safer, and may render current industrial safety regulations obsolete. New modes of human-machine interaction on a shop floor should also follow sound health and safety practice. And Industry 4.0 technologies are open to cyber-attacks.

ISSUES TO BE ADDRESSED:

- *Industry 4.0 potentials for ensuring industrial safety and security*
- *Industrial safety and security in Industry 4.0 work environment.*
- *Regulatory requirements*

KEYNOTE SPEAKER:

Mr. Evgeny Goncharov, Head of Kaspersky Lab ICS CERT

PROPOSED SPEAKERS:

Mr. Nikolaus Dürk, CEO, X-Net

Ms. Titanilla Komenda, Researcher at Pilot Factory Industry 4.0, Technical University Vienna & Fraunhofer Austria

Mr. Herbert Vitzthum , Senior Consultant Digitalization , Siemens, Austria

Mr. Sergey Zhurin, Lead Researcher/Head of the Laboratory of Information Systems Development of the Federal Center of Science and High Technologies “Eleron” (Rosatom), Russian Federation

15:00 – 16:30

Role of collective actions for ensuring industrial safety and security

Industrial activity can have cross-border implications. Pollution, spills and leakages to water and air are concerns that need proper management not only in case of accidents, but also during nominal operations.

ISSUES TO BE ADDRESSED:

- *Role of international organization such as UNIDO in improving the safety of industrial sites, as well as environment and workers*
- *While legislation is often clear, the enforcement lacks in many countries. Can the international community improve industrial safety by helping (national) supervisory authorities to fulfil their mandates?*

KEYNOTE SPEAKER:

Ms. Olga Memedovic, Deputy Director of the Department of Trade, Investment and Innovation, and Chief of the Business Environment, Cluster and Innovation Division, United Nations Industrial Development Organization, UNIDO.

Day 2	
15:00 – 16:30	PANELISTS: **Mr. Juan Carlos Lentijo**, Deputy Director General, Head of the Department of Nuclear Safety and Security, International Atomic Energy Agency, IAEA **Mr. Joaquim Pintado Nunes**, Officer in Charge, Labour Inspection and Occupational Safety and Health Branch, International Labour Organization, ILO **Ms. Franziska Hirsch**, Secretary, Industrial Accidents Convention, UNECE **Mr. Vardan Gevorgyan**, Chairman of the Interstate Council on Industrial Safety within CIS the State non-profit organization "National Center for Technical Safety" of the Ministry of Emergency Situations of Armenia **Mr. Shirish Ravan,** Senior Programme Officer, UN Office on Outer Space Affairs, UNOOSA
16:30 - 17:00	Wrap-up and closing with summary of key messages and recommendations for the follow up actions to be taken
17:00 - 18:00	CONFERENCE Wrap-up Dinner