

Draft

(As of May 14, 2024)

PROGRAM



Kyiv, May 15-16, 2024

International Forum "Ecology and Peace"

Organizers:

NGO Ukrainian Peace Council

*All-Ukrainian Innovation Ecosystem
"Sikorsky Challenge Ukraine"*

*International NGO
Council on Environmental Safety*

Co-organizers:

Ukrainian Chamber of Commerce and Industry

Building Chamber of Ukraine

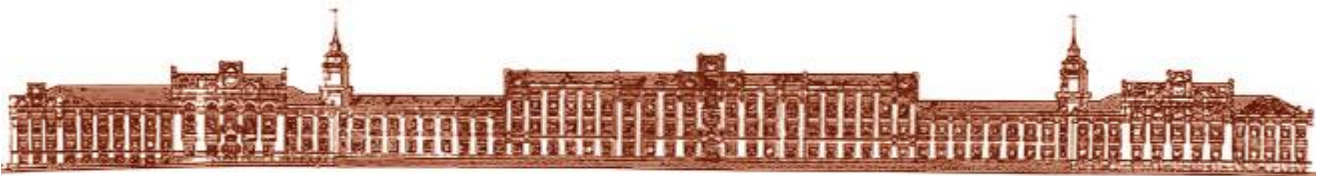
NGO Women's Union of Ukraine

*NGO International Institute – Association of Regional
Ecological Problems*

NGO Ukrainian Alliance

General Sponsor:

Raiffeisen Bank



May 15-16, 2024

**National Technical University of Ukraine
"Igor Sikorsky Kyiv Polytechnic Institute"
37, Beresteiskyi Ave., Kyiv**

PROGRAM

May 15, Wednesday

09:30 – 10:30 Registration.

Welcome coffee.

10:30 – 11:15 Official opening

(Please be informed that all the proceedings will be in Ukrainian and English).

Chair: Mykhailo Zgurovsky, Head of the Ukrainian Peace Council,
Rector of the Igor Sikorsky Kyiv Polytechnic
Institute

Moderated by Valerii Thybukh, Ambassador Extraordinary and
Plenipotentiary, Deputy Head of the Ukrainian
Peace Council

*The Chair, Mykhailo Zgurovsky, inaugurates the Forum with an
opening address*

* **Speech** by Oleksandr Korniyenko, First Deputy Speaker of
Verkhovna Rada (Ukraine's parliament)

* **Welcome words** by Leonid Kuchma, Chairman of the
Supervisory Board of Igor Sikorsky Kyiv Polytechnic
Institute, President of Ukraine in 1994-2005

* **Speech** by Ms. Christine Kovshevych Durbak, President of
the UN World Information Transfer
(Consultative Status with the UN)
(video address)

* **Speech** by Petro Shyliuk, President of the Building
Chamber of Ukraine

* **Speech** by Valerii Korol, Vice President of the Chamber of
Commerce and Industry of Ukraine.

- * **Speech** by Leokadiia Gerasymenko, Head of the Board of the All-Ukrainian NGO Women's Union of Ukraine
- * **Speech** by Yurii Sytnyk, Head of the Environmental Security Office at the Main Department of Mine Action, Civil Defense, and Environmental Security, Ministry of Defense of Ukraine
- * **Speech** by Volodymyr Yurchenko, Head of the Youth Wing of the Ukrainian Peace Council

11:15 – 11:30 Joint press point with participants in the official opening.

11:30 – 13:30

International Conference "Ecology and Peace"

Moderated by Valerii Thybukh,
Ambassador Extraordinary and Plenipotentiary,
Deputy Head of the Ukrainian Peace Council

- ***Prevention of Ecocide as a Feature in the Ukrainian Peace Formula***, by Valerii Thybukh,
Ambassador Extraordinary and Plenipotentiary,
Deputy Head of the Ukrainian Peace Council
- ***russia's Environmental Crimes in Ukraine in the Light of International Law***, by Yuriy Sergeev,
Ambassador Extraordinary and Plenipotentiary, Permanent Representative of Ukraine to the United Nations (2007-2015)
(on-line)

- ***Nuclear Terrorism and Blackmail of the rf – a Threat to International Security***, by **Yurii Shcherbak**

Ambassador Extraordinary and Plenipotentiary, Professor, First Minister of Environmental Protection of Ukraine (1991-1992)

(on-line)

- ***Global Consequences of Nuclear Disarmament of Ukraine***, by **Yuriy Kostenko**,

Minister of Environmental Protection of Ukraine (1992-1995), Minister of Ecology and Nuclear Safety of Ukraine (1995-1998), Head of the Ukrainian delegation to the negotiations with the G7 countries on the shutdown of the Chornobyl Nuclear Power Plant

- ***Building up the anti-war potential of international and national environmental security systems***,

by Prof. **Vasyl Shevchuk**,

Doctor of Economic Sciences, Minister of Environmental Protection and Nuclear Safety of Ukraine (1998-2000, 2002-2003), President of the Ukraine Nature Conservation Society

- ***Japan's Experience in Demining***, by **Yuki Sekiguchi**,

Executive Vice President of the Cognitive Research Labs, Inc.

- ***The Strategic Doctrine of Binary Environmental and Military Security and Peace: Conceptual Foundations***, by **Yurii Tunytsia**,

Member of the NAS of Ukraine,

Honorary President of the Forestry Academy of Sciences of Ukraine

(on-line)

- ***Speech*** by **Hansjörg Eberle**, Director of the Swiss Foundation for Mine Action (FSD – Fondation suisse de déminage) in Ukraine, a mine action operator who was certified at the Joint Training Center of the Support Forces Command of the Armed Forces of Ukraine

(on-line)

- ***Gender component in the system of response to environmental problems in a context of military conflict***, by **Maria Mandryk-Melnychuk**, gender expert, Doctor of Historical Sciences, Professor at the Bukovinian State Medical University, Head of the representative office of the NGO Women's Union of Ukraine in the Chernivtsi region

- ***Environmental security and the constitutional future of Ukraine***, by **Petro Stetsiuk**, Doctor of Law, Scientific Advisor on Legal Issues at the Razumkov Center, retired judge of the Constitutional Court of Ukraine

- ***Environmental consequences of war***, speech by the General Sponsor, **Dr. Naomi Rintoul-Hines**,
Division of Soil Sciences and Environmental Policy, Head of the Department of Biological Sciences, Natural and Applied Sciences, University of Canterbury Christ Church, Kent (United Kingdom of Great Britain and Northern Ireland)

(on-line)

- ***FSD's demining work in Ukraine***, by **Hansjörg Eberle**,
Director of the Swiss Foundation for Mine Action (FSD – Fondation suisse de deminage), Geneve

- Presentation of the art exhibition of paintings "Ukrainian Beauty" by **Yurii Dmytrievskyi**, patron of the arts

13:30 – 14:15 Photo session
Joint press point
Coffee break

A tour of the art exhibition of paintings "Ukrainian Beauty"

14:15 –15:00

Session 1 – Humanitarian Demining of Ukrainian Lands

Session Chair: **Yurii Yekhanurov**, Director of the Institute of Advanced Defense Technologies, Igor Sikorsky Kyiv Polytechnic Institute.
Prime Minister of Ukraine (2005-2006),
Minister of Defense of Ukraine (2007-2009)

Moderated by Prof. **Oksana Vovk**, Director of the Institute of Energy Saving and Energy Management, Igor Sikorsky Kyiv Polytechnic Institute

Coordinating Secretary: Prof. **Serhii Boichenko**

Presentations (speeches):

- ***Humanitarian Demining in the Educational Challenges in Wartime and the Postwar Period***, by Prof. **Oksana Vovk**, Director of the Institute of Energy Saving and Energy Management, and Prof. **Natalia Zuievska**, Acting Head of the Department of Geoengineering at the Institute of Energy Saving and Energy Management, Igor Sikorsky Kyiv Polytechnic Institute
- ***The Problems of Demining Territories of Ukraine During Military Actions in 2022-24 and Prospects for Restoring Land for Economic Activity***, by **Mykhailo Kostynskyi**, Director of the Agency for Strategic Communications of the Society
- ***Current state and prospects of humanitarian demining in the Kharkiv region***, by **Serhii Kolesnikov**, Advisor to the State Emergency Service of Ukraine in the Kharkiv region

- ***Determination of chemical contamination of land and water resources of Ukraine in the aftermath of hostilities***, by **Pavlo Zelenyi**, Head of the Laboratory at the State Research Forensic Center, Ministry of Internal Affairs of Ukraine

Panel discussion:

Innovative Techniques and Problems of Humanitarian Demining of Ukrainian Lands During Military Operations and in the Postwar Period

Proposals to the text of the Forum Declaration

Chair and moderator announce Session 1 closing

15:00

Startup projects and engineering developments competition in the environmental area

Moderated by **Serhiienko Serhii**, Deputy Director, Innovation Holding "Sikorsky Challenge"

Welcome words by **Inna Maliukova**, Head of the All-Ukrainian Innovation Ecosystem "Sikorsky Challenge Ukraine"

Pitch presentations of startup projects (up to 20 pitches) **on the following topics:**

- humanitarian demining of Ukrainian lands and territories
- water and reservoir purification
- waste collection and recycling, including nuclear waste
- energy and environmental security

The international jury sums up the results of the competition and determines the best projects and teams.

May 16, Thursday

09:30 – 10:00 Registration

Welcome coffee

**10:00 – 11:00 Session 2 – Countering russian Nuclear Terrorism in Ukraine.
Removal of Contaminants Involving Nuclear Risks**

Session Co-Chairs: Yuriy Kostenko,

Minister of Environmental Protection of Ukraine (1992-1995), Minister of Ecology and Nuclear Safety of Ukraine (1995-1998)

Vasyl Shevchuk, President of the Ukraine Nature Conservation Society, Minister of Environmental Protection and Nuclear Safety of Ukraine (1998-2000, 2002-2003)

Moderated by Prof. Yevhen Pysmennyi, Director of the Institute of Nuclear and Thermal Energy, Igor Sikorsky Kyiv Polytechnic Institute

Coordinating Secretary: Assistant Ivan Ostapenko

Presentations and speeches:

- ***Manifestations of russian Nuclear Terrorism in Ukraine***, by **Anatolii Nosovskyi**, Academician of the NAS of Ukraine, Director of the NAS Institute for Safety Problems of Nuclear Power Plants
- ***Exploitation of Nuclear Power Facilities in Ukraine under Extreme Conditions***, by **Vadym Kondratiuk**, Doctor of Technical Sciences, Vice-Rector of Igor Sikorsky Kyiv Polytechnic Institute

- ***ALFA ATOM Initiative: Improvement of Liquid Radioactive Waste Processing to Ensure Environmental Safety and Peace***, by **Igor Peer**, Director of ALFA ATOM LLC, **Yurii Zabulonov**, Academician of the NAS of Ukraine, Director of the NAS Institute of Environmental Geochemistry, and **Oleksandr Balashevskiy**, Head of the Odesa-based Scientific and Technical Support Department at the Scientific and Technical Center of Energoatom, the state-run nuclear power company
- ***Frequency Resonance Analysis of the Environmental Condition of the Chornobyl Zone: Prospects for Self-Cleaning***, by **Mykola Yakymchuk**, Corresponding Member of the NAS of Ukraine, Director of the Institute of Applied Problems of Ecology, Geophysics and Geochemistry

Proposals to the text of the Forum Declaration.

Chair and moderator announce Session 2 closing.

11:00 – 11:30 Coffee break

**11:30 – 13:30 Session 3 – Energy and Environmental Security.
Water and Reservoir Purification**

Session Chair: **Stanislav Stashevskiy**, First Vice President of the Building Chamber of Ukraine, First Deputy Prime Minister of Ukraine (2005-2006), Minister of Fuel and Energy of Ukraine (2001)

Moderated by Prof. **Olha Liniucheva**, Dean of the Faculty of Chemical Technology, Igor Sikorsky Kyiv Polytechnic Institute, and

Prof. **Yevhen Panov**, Dean of the Faculty of Chemical Engineering, Igor Sikorsky Kyiv Polytechnic Institute

Coordinating Secretaries: Assoc. Prof. **Svitlana Kyrri**
Prof. **Oleksandr Khokhotva**

Presentations (speeches):

- ***Modern Sensor Systems of Igor Sikorsky Kyiv Polytechnic Institute for Monitoring the Air Environment: Designed for the Peaceful and Military Situation of Ukraine***, by Prof. **Olha Liniucheva**, Dean of the Faculty of Chemical Technology, Igor Sikorsky Kyiv Polytechnic Institute
- ***Protecting aquatic ecosystems from pollution by mineralized wastewater***, by Prof. **Mykola Homelia**, Head of the Department of Ecology and Technology of Plant Polymers, Igor Sikorsky Kyiv Polytechnic Institute
- ***Protection of the atmosphere from pollution by toxic emissions from the production of carbon graphite materials for defense needs***, by Prof. **Olena Ivanenko**, Associate Professor at the Department of Ecology and Technology of Plant Polymers, Igor Sikorsky Kyiv Polytechnic Institute
- ***The use of GIS and Space Technologies for the Analysis of Anthropogenic Changes in Ecosystems as a Result of Military Operations***, by **Serhii Gapon**, Head of the Laboratory of Geographic Information Systems at the World Data Center for Geoinformatics and Sustainable Development, Igor Sikorsky Kyiv Polytechnic Institute, and **Karolina Borovyk**, GIS specialist of the Laboratory of Geographic Information Systems at World Data Center for Geoinformatics and Sustainable Development, Igor Sikorsky Kyiv Polytechnic Institute
- ***Legislative and Regulatory Prerequisites for Ensuring and Improving Energy Efficiency of Buildings***, by Prof. **Gennadii Farenjuk**, Director of the State Research Institute of Building Constructions
- ***Environmental Security of Kyiv Region. Problems and Prospects***, by **Halyna Yerko**, Member of the Kyiv Regional Council

(on-line)

• ***Kakhovka Dam Disaster: Evidence from Space***, by **Liudmyla Lishchenko**, Senior Researcher at the Department of Aerospace Research in the Geology and Geoecology of the Scientific Center for Aerospace Research of the Earth, NAS Institute of Geological Sciences

(on-line)

• ***Problems of Assessing Environmental Damage from the Aggression of the Russian Federation***, by **Andrii Demydenko**, Senior Researcher at the NAS Center for Aerospace Research

(on-line)

• ***Solving the problems of the lower Dnipro basin after the reservoir in the context of the requirements of European Union water legislation harmonized with Ukrainian legislation***, by **Volodymyr Bilash**, representative of the charitable organization, Nikopol branch of the International Dnipro Foundation

• ***Green structures as energy-efficient green building technologies***, by Prof. **Tetiana Tkachenko**, Head of the Environmental Protection Technology and Labour Safety Department, Kyiv National University of Construction and Architecture

Panel Discussion

Proposals to the text of the Forum Declaration

Chair and moderators announce Session 3 closing.

13:45 – 14:15

Closing

Chair: Mykhailo Zgurovsky, Head of the Ukrainian Peace Council,
Rector of the Igor Sikorsky Kyiv Polytechnic Institute.

Moderated by Yurii Yekhanurov and Valerii Tsybukh

Coordinator-Secretary: Oksana Vovk

1. Announcement of the results of the startup projects and engineering developments competition in the environmental area, and awarding of the winners (competition jury)
2. Closing remarks by organizers of the Forum *(tbc)*
3. Promulgation of the Forum Declaration
(Yurii Shcherbak,
Anatolii Nosovskyi,
Valerii Tsybukh,
Volodymyr Khandogiy,
Yuriy Sergeyev)
4. Chair announces Forum closing

14:15 – 14:45 Concert

Prof. Herman Makarenko, Artistic Director, People's Artist of Ukraine, Head of the UNESCO Chair, UNESCO Artist for Peace, Ambassador of Ukrainian Culture, Artistic Director and Chief Conductor of the Kyiv Classical Orchestra, Conductor of the National Opera of Ukraine

**14:45 – 15:00 Photo session
Joint press point**