



## **Advanced Research Workshop**

*Environmental Health and Security in Ukrainian Conflict Zones*

### **ARW Schedule** *May 10-12, 2018*

Location: L.I. Medved's Research Center of Preventive Toxicology,  
Food and Chemical Safety Ministry of Health of Ukraine, Kyiv

#### Day 1: Thursday, May 10

##### Morning

Welcome and Charge to the Workshop

Mykola Prodanchuk (Director, Institute for Ecohygiene and Toxicology, Ukraine),  
Timothy Erickson (Chief, Toxicology, Brigham Health, Harvard Humanitarian Initiative, US)  
Alexander Vinnikov (Head of NATO Representation to Ukraine)

Introductory comments: Organization for Security and Co-operation in Europe (OSCE), World Health Organization (WHO), Ministry of Health (MOH), Ministry of Ecology (MOE), United Nations Environment Program (UNEP), United Nations Development Program (UNDP), United States Agency for International Development (USAID / Ukraine)

Keynote: The impact of conflict on human health and the environment:  
Alexander Kvitashvili (Former Minister of Health of Georgia and Ukraine)  
(overview – Georgia and Ukraine case studies)

##### Coffee Break

Legal framework for protecting health of civilians and the environment in conflict zones:  
Olena Kravchenko, (Director, Environment People Law, Ukraine)

Case study of Transdneistria: Ion Bahnarel (National Centre of Public Health, Moldova)

##### Lunch

Panel Discussion: Health, Environment, and Security in Ukrainian Conflict Zones  
Moderator: Daniel Hryhorczuk (Professor, UIC Director of Environmental Health, US)  
Health indicators: Volodymyr Kurpita (Director, Center for Public Health, Ukraine)  
Ecological situation in conflict zones: Ostap Semerak (Ministry of Ecology, Ukraine)  
Security OSCE: Vaidotas Verba (Ambassador, OSCE Project Coordinator, Ukraine)

Conflict and water security: Michael J. VanRooyen: (Professor and Chair, Department of  
Emergency Medicine, Brigham & Women's Hospital, Director, Harvard Humanitarian  
Initiative, US)

##### Coffee Break

Energy security and energy poverty in conflict zone:  
Farhad Ghaussy and Steven Rynecki (Energy Team, USAID/Ukraine)

Research approaches to satellite imaging in conflict zones: Michael J. VanRooyen (United States)

Dinner and Networking

### Day 2: Friday, May 11

Impact of conflict on the built environment: Boris D. Lushniak (Professor & Dean, University of Maryland School of Public Health, Former US Acting Surgeon General)

Conflict and migration: Stevan Weine (Professor of Psychiatry and Director UIC Center for Global Health, US)

Coffee Break

Conflict and food security: Farrukh Toirov (Food and Agriculture Organization, Ukraine)  
Goran Stavrik, (UN Food and Agriculture Organization, Hungary)

Lunch

Conflict economy in Donetsk & Luhansk: Francisco Ramos (Coimbra Business School, Portugal) Kovalenko, Olena (Dept. of Enterprise Economy, Engineering Academy, Ukraine)

Conflict and occupational health: Konrad Rydzynski (Nofer's Institute of Occupational Medicine, Poland)

Regional Activities in Identifying Novel Contaminants. Katerina Sebkova,  
(Director of the National Centre for Toxic Compounds and of the Stockholm Convention  
Regional Centre for Capacity Building and the Transfer of Technology, Czech Republic)

Coffee Break

Environmental monitoring and analysis: Mykola Prodanchuk, (Ukraine)

Conflict and One Health: Daniel Hryhorczuk, (Professor Emeritus, UIC Director of Environmental Health, US)

One Health Romania: (Manolescu Nicolae, President, OneHealthRomania, Romanian Academy, University Professor Emeritus, Doctor Honoris, French Academy of Medicine.)

Conflict and complex ecosystems: Timothy Erickson, (United States)

### Day 3: Saturday, May 12

#### Rising Stars of Environmental Health & Security in Conflict Zones (Panel)

Sonny Patel (Moderator, Harvard Humanitarian Initiative, US)

Larissa Fast (Fulbright-Schuman Scholar Award, University of Manchester, UK)

John Quinn (Center for Global Health Prague University, Czech Republic)

Oleksandr Zvinchuk (Epidemiologist, Institute of Pediatrics, OB/GYN of the NAMS, Ukraine),

#### Recommendations of OSCE

Jeffrey Erich: OSCE, Senior Project Officer

#### Recommendations of Civil Society

(Olena Kravchenko, Director, Environment People Law, Ukraine)

#### Coffee Break

#### Developing a Research Agenda (Panel and plenary)

Panel Moderator: Boris Lushniak, United States

Summary and conclusions (Mykola Prodanchuk, Ukraine and Timothy Erickson, US)

### ARW Goals and Outcomes

#### Goals

(1) to synthesize expert knowledge on topics of environmental health and security in Ukrainian conflict zones from key academic leaders and policymakers in NATO member and partner countries.

(2) to develop a research agenda to identify the research questions that can inform policy and help safeguard human health and ecosystem integrity for current and future generations in Ukraine and surrounding regions.

#### Outcomes

(1) to produce a NATO science series publication (Springer Verlag) on environmental health and security that summarizes the findings and policy recommendations of the workshop and guides future research investigations in the region.

(2) to build strategic partnerships in Ukraine and neighboring countries with opportunities for exchange of ideas, networking, and research infrastructure.

#### Security Relevance and Impact

Geographically and politically, the ongoing conflict in Ukraine is a lynchpin for Euro-Asia affairs and stability. Without a secure Ukraine, the surrounding NATO member and partner countries are also vulnerable to conflict and environmental insecurity. This workshop will enhance the cooperation and dialogue with participatory NATO countries, focusing on scientific research, innovation, and knowledge exchange on environmental health and security arising from the Ukrainian conflict.