

Rebuilding Research, Education, and Innovation in Ukraine: A Workshop

Virtual Workshop Dates:

September 21: 9:00-12:00 EDT (Washington, D.C.) / 16:00-19:00 EEST (Kyiv, Ukraine)

September 22: 9:00-13:30 EDT (Washington, D.C.) / 16:00-20:30 EEST (Kyiv, Ukraine)

September 23: 9:00-12:00 EDT (Washington, D.C.) / 16:00-19:00 EEST (Kyiv, Ukraine)

Ukrainian and English language interpretation provided

The workshop will examine best practices in designing and managing national systems of scientific research, higher education, and innovation with applications for Ukraine today and in the future. The goals of the workshop are:

- Explore the design, management, and financing of national research, education and innovation systems, as well as lessons learned from the United States and Europe, including reforms in countries such as Poland and Estonia.
- Consider best practices that have proven sustainable over time and have created the human capacity needed for a modern, twenty-first century competitive economy.
- Investigate how to take advantage of Ukraine's considerable scientific and technical strengths to create a vibrant, productive, and internationally competitive economy
- Determine pathways for external assistance, as well as the most effective targeting and allocation of resources in Ukraine's research, higher education, and innovation sectors.

Agenda

***All times EDT (Washington, D.C.) / EEST (Kyiv)**

DAY 1: SEPTEMBER 21, 2022

9:00 – 9:15 EDT

Opening Remarks

16:00 – 16:15 EEST

Rita Colwell, University of Maryland (Workshop Chair)

9:15 – 9:30

Welcome

16:15 – 16:30

Anatoly Zagorodny, National Academy of Sciences Ukraine

7 mins. each

Marcia McNutt, U.S. National Academy of Sciences

BACKGROUND

Moderator: Cathy Campbell, CRDF Global (Retired)

9:30 – 9:40

Workshop Background & Development

16:30 – 16:40

Cathy Campbell

9:40 – 9:50 **Science Reform in Ukraine**
16:40 – 16:50 *Nataliya Shulga, Ukrainian Science Club*

9:50 – 10:00 **Ukraine Recovery Plan**
16:50 – 17:00 *Yuliia Bezvershenko, Stanford University*

SESSION 1: SCIENTIFIC RESEARCH
Moderator: *Cathy Campbell*

10:00 – 10:45 **Three Perspectives on Best Practices in Managing Scientific Research**
17:00 – 17:45 *Ella Lybanova, National Academy of Sciences of Ukraine, Department of Economics, Institute of Demography*
15 mins each
Jerzy Duszynski, Polish Academy of Sciences
Tarmo Soomere, Estonian Academy of Sciences

10:45 – 11:25 **Panel Presentations on Scientific Research**
17:45 – 18:25 *Oleksii Shkuratov, Deputy Minister of Education and Science of Ukraine for European Integration*
10 mins. each
Oleksiy Kolezhuk, Science Committee, National Council for Science & Technology and Development
Richard Roush, Penn State, College of Agricultural Sciences
Ihor Mryglod, National Academy of Science of Ukraine, Institute for Condensed Matter Physics

11:25 – 11:55 **Session 1 Discussion and Q&A**
18:25 – 18:55

11:55 – 12:00 **Closing Remarks**
18:55 – 19:00 *Rita Colwell*

DAY 2: SEPTEMBER 22, 2022

9:00 – 9:10 EDT **Summary of Day 1**
16:00 – 16:10 EEST *Rita Colwell, University of Maryland (Workshop Chair)*

SESSION 2: HIGHER EDUCATION

Moderator: *E. William Colglazier, American Association for the Advancement of Science*

9:10 – 10:00 **Panel Presentations on Higher Education**
16:10 – 17:00 *Andrii Vitrenko, Ministry of Education and Science of Ukraine*
10-15 mins. each *Yehor Stadny, Kyiv School of Economics*
 Lidia Borell-Damián, Science Europe
 Roman Gladyshevsky, University of Lviv

10:00 – 10:20 **Best Practices in Managing Higher Education and Research**
17:00 – 17:20 *Ana Mari Cauce, University of Washington*

10:20 – 11:00 **Session 2 Discussion and Q&A**
17:20 – 18:00

11:00 – 11:05 **BREAK**
18:00 – 18:05

SESSION 3: TECHNOLOGICAL INNOVATION

Moderator: *Alfred Watkins, Global Solutions Summit*

11:05 – 12:05 **Best Practices in Incubators and Accelerators**
18:05 – 19:05 *Becky Taylor, University of Texas at Austin*
20 mins. each **Manufacturing USA Institutes**
 Mike Molnar, National Institute of Standards and Technology
 A Perspective on Innovation in the Next 20 Years
 Andy Hopper, Royal Society / University of Cambridge

12:05 – 12:35 **Panel Presentations on Technological Innovation**
19:05 – 19:35 *Oleksandra Antoniuk, Kyiv Academic University*
10 mins. each *Pavlo Kartashov, Ukrainian Startup Fund*
 Mikhail Zgurovsky, Kyiv Polytechnic Institute

12:35 – 13:20 **Session 3 Discussion and Q&A**
19:35 – 20:20

13:20 – 13:30 **Closing Remarks**
20:20 – 20:30 *Oleksiy Kolezhuk, Science Committee, National Council for Science & Technology,*
5 mins. each *Development*
 Vaughan Turekian, U.S. National Academy of Sciences, Policy and Global Affairs

DAY 3: SEPTEMBER 23, 2022 (9am – 12pm EDT)

9:00 – 9:10 EDT **Summary of Days 1 and 2**
16:00 – 16:10 EEST *Rita Colwell, University of Maryland (Workshop Chair)*

SESSION 4: RESEARCH FUNDING

Moderator: Robin Grimes, Royal Society

9:10 – 9:30 **Best Practices in Managing Research Funding**
16:10 – 16:30 *Mark Ferguson, European Innovation Council*

9:30 – 10:00 **Panel Presentations on Research Funding**
16:30 – 17:00 *Olga Polotska, National Research Foundation of Ukraine*
10 mins. each
Maria Leptin, European Research Council
Curtis Bjelajac, Executive Director, Science and Technology Center Ukraine

10:00 – 10:45 **Session 4 Discussion and Q&A**
17:00 – 17:45

SESSION 5: GENERAL DISCUSSION & NEXT STEPS

Moderator: Gerson Sher, National Science Foundation and CRDF Global (Retired)

10:45 – 11:45 **General Discussion**
17:45 – 18:45

11:45 – 12:00 **Summary and Next Steps**
18:45 – 19:00 *Rita Colwell*