

PAVEL KIPARISOV

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EXPERIENCE

Major Assignments

Researcher – Multi-Hazard Risk Modeling

International Institute for Applied Systems Analysis (IIASA)

October 2023 – presence Laxenburg

- Examining the indirect effects of nuclear war on the global food system.
- Investigating the risks of climate-driven wildfires around the world.

Program Officer – Food Security, Safety, and Trade

Food and Agriculture Organization of the United Nations (FAO)

November 2015 – April 2020 Budapest

- Contributed to disaster risk reduction projects in Central Asia aimed at building national capacity for activating the UN Charter; promoted wider use of satellite-based data analytics for farmers.
- Conducted field missions to Kyrgyzstan, Tajikistan, North Macedonia, and the Republic of Moldova to study the environment for agribusiness, food security, and food loss and waste; the resulting recommendations to governments were incorporated into their national development strategies.
- Co-authored a book on the architecture of food safety systems in the EU and the EAEU.
- Supported the entire project cycle of three projects in Central Asia and Eastern Europe funded from the regular program on value chain development. Developed and co-managed a project on improving urban-rural linkages in Tajikistan. Supervised five contractors and five interns.
- Assisted in developing concept notes for various regional projects totaling USD five million.

Space Applications Intern

United Nations Office for Outer Space Affairs (UNOOSA)

September 2021 – March 2022 Vienna

- Gathered information and created a database of open software tools to help people apply for opportunities in the "Access to Space for All" program and created a Linux virtual machine with preinstalled showcase software.
- Developed an original Python software STAY-ON (SaTellite decAY mONitor) that tracks the launch and decay of space objects and satellites.
- As part of the Secretariat, monitored deliverables and organized the group's annual meeting of the Committee on Earth Observation Satellites (CEOS);

Auxiliary Assignments

Teaching Assistant – GIS and Geospatial Analysis

Systems Laboratory, Central European University (CEU)

January 2020 – January 2022 Vienna

Research Intern – Energy and Climate Change

Centre for European Policy Studies (CEPS)

July 2015 – September 2015 Brussels

EDUCATION

Water and Climate Risk
Doctoral School

Vrije Universiteit (VU) Amsterdam

Amsterdam

Dissertation on the loss of access to critical services in cities due to disasters and the placement of facilities at increased risk.

Past studies: EU International Relations and Diplomacy (*College of Europe*), Environmental Sciences and Network Sciences (*Central European University*), Economic Policy in Global Markets (*CEU*), Political Analysis (*Higher School of Economics*).

LANGUAGES

HUMAN

Russian



English



German



French



Latin



Hungarian



MACHINE

Python



LaTeX



Shell



SOFTWARE/OS

QGIS ArcGIS NetLogo Stella

Blender GIMP Inkscape

Photoshop DaVinci Resolve

Premiere Audition Audacity

GNU/Linux

HOBBIES

music performance and composing

ancient and medieval philosophy

l'École des Annales martial arts

photography video making

LIST OF PUBLICATIONS

Select articles and reports

Kiparisov, P.O. and Folberth, C. (2025) [The Hidden Cost of a Regional Nuclear War](#). *The Crisis Response Journal*, United Kingdom.

Kiparisov, P.O. and Folberth, C. (Work in Progress). Cascading Disruptions in Global Natural Gas, Fertilizer, and Food Trade Networks Imperil Food Security.

Kiparisov, P.O. and Lagutov, V.V. (Submitted). [Integrated GIS- and Network-Based Framework for Assessing Urban Critical Infrastructure Accessibility and Resilience: the Case of Hurricane Michael](#). *Structure and Infrastructure Engineering*, United Kingdom.

Kiparisov, P.O. and Pflug G. (Work in Progress). Planning External Action Budgets Under Uncertainty: the Case of the European Union.

Kiparisov, P. (2024) [Budget in Crisis: Lessons from Complexity Theory](#). *The Crisis Response Journal*, United Kingdom.

Corning, S., Krasovskiy A.; Kiparisov, P. et al. (2024). [Anticipating Future Risks of Climate-Driven Wildfires in Boreal Forests](#). *Fire*, Switzerland.

Kiparisov, P., Lagutov, V., Pflug G. (2023). [Quantification of Loss of Access to Critical Services During Floods in Greater Jakarta: Integrating Social, Geospatial, and Network Perspectives](#). *Remote Sensing*, Switzerland.

Kiparisov, P. (2021). [Urban System Resilience to Floods: Greater Jakarta Case](#). *International Institute for Applied Systems Analysis, YSSP Working Papers*. Austria.

O'Connell, J. and Kiparisov, P. (2018). [Kyrgyzstan Value Chain Gap Analysis](#). *Food and Agriculture Organization of the United Nations*. Rome, Italy, 105 pp.

O'Connell, J. and Kiparisov, P. (2018). [Moldova Value Chain Gap Analysis](#). *Food and Agriculture Organization of the United Nations*. Rome, Italy. 65 pp.

Monographs

Sedik, D., Ulbricht, C., Dzhamankulov, N., Kiparisov, P. (2017). [The Architecture of Food Safety Control Across Eurasia: The European Union and The Eurasian Economic Union](#), 108 pp.

Theses

Urban System Resilience to Catastrophes, Ph.D. dissertation.

Rethinking the European Union's Financial Architecture for External Action in Light of Manifold Crises (2023). *College of Europe*, Belgium.

The Selection of Logistics Centers Location: Case of Russia (2016). *Central European University*, Hungary.

Big Business Influence on Shaping Public Policies for Sparsely Populated Areas Development in Russia (2014). *National Research University - Higher School of Economics*, Russia.

TRAINING

2024: Real World Risk Management, Educational Program led by Nassim Nicholas Taleb (RWRI), New York (online).

2021: Young Scientists Summer Programme, International Institute for Applied Systems Analysis (IIASA), Laxenburg.

2019: Training of trainers on EX-Ante Carbon balance Tool (EX-ACT), Food and Agriculture Organization of the United Nations, Budapest.

2018: Geospatial Solutions for Water Management, United Nations Office for Outer Space Affairs, Budapest.

2017: Sustainable Food Systems and Value Chains, Food and Agriculture Organization of the United Nations, Budapest.

2013: Effective presentation skills, KPMG Business School, Moscow.

PUBLIC TALKS

2025: Spatial patterns of loss of access to urban critical infrastructure during disasters. 2nd International Conference on Modelling, Data Analytics and AI in Engineering, Porto.

2024: Integrated approach for assessing urban resilience to hurricanes. 13th International Conference on Complex Networks and Their Applications, Istanbul.

2020: The role of food systems in Europe and Central Asia: Tajikistan case study / FAO Workshop "Awareness raising on the food system approach to address malnutrition", Belgrade (online).

2019: FAO experience in linking tourism to agriculture in Europe and Central Asia / International Tourism Forum Tajikistan-2019, Dushanbe.

DELEGATE

2019: United Nations / Austria World Space Forum "Access to Space4All".

2018: United Nations / Germany High Level Forum on space innovations: The way forward after UNISPACE+50 and on Space2030.