
Education

- 09/2025 – present **PhD Candidate, Energy Transportation Environment Department, German Institute for Economic Research (DIW Berlin)**
Berlin, Germany
- 10/2022 – 09/2025 **Master of Science in Economics (with Honors), Heidelberg University**
Heidelberg, Germany
 - DAAD Scholarship holder
 - Environmental and Resource Economics track, GPA: 1.4
 - Master's thesis: *Electricity Prices and Solar Photovoltaic Expansion: Evidence from Germany*
- 02/2019 – 09/2019 **Student Exchange Program, University of Cologne**
Cologne, Germany
- 09/2017 – 06/2021 **Bachelor of Science in Economics (with Honors), Higher School of Economics**
Moscow, Russia
 - Moscow Scholarship Holder (Top 1000 students)
 - Top 7% in student ranking, GPA: 8.8/10
 - Bachelor's thesis: *The Influence of the Carbon Border Adjustment Mechanism in the EU on the Iron and Steel Industry in Russia*

Work Experience

- 10/2024 – 09/2025 **Working Student, Energy Transition Department, Energie Baden-Württemberg (EnBW)**
Karlsruhe, Germany
 - Built a pricing model for blue ammonia supply for shipping vessels industry
 - Conducted research on electrolysis projects in Germany and assessed their feasibility for the company business
 - Delivered presentations and dashboards with visualizations on current low-carbon energy demands in the German market
- 10/2024 – 03/2025 **Research Assistant, Department of Macroeconomics, Leibniz University Hannover**
Hannover, Germany
 - Improved databases in R using ChatGPT-generated prompts for text analysis
 - Transcribed denazification questionnaires used in post-WWII West Germany
- 05/2024 – 08/2024 **Research Assistant, Department of Macroeconomics, University of Mannheim**
Mannheim, Germany
 - Reviewed literature on educational reforms in African countries
 - Replicated research papers on wage premium from higher education in the U.S. using R
- 11/2023 – 03/2024 **Research Assistant, Environment and Climate Economics Unit, ZEW – Leibniz Centre for European Economic Research**
Mannheim, Germany
 - Reviewed German Renewable Energy Sources Act (EEG) policy changes supporting photovoltaic installation
 - Collected data on household-level solar capacity, feed-in tariffs, and electricity prices
 - Performed descriptive analysis and trend estimation of electricity prices using ARIMA and Holt–Winters methods in R
- 09/2021 – 02/2024 **Fellow-Researcher, Yu. A. Izrael Institute of Global Climate and Ecology (IGCE)**
Moscow, Russia
 - Conducted GHG inventory for stationary combustion sector across 100+ companies in Sakhalin
 - Calculated financial losses from CBAM implementation for a major transportation company.
 - Evaluated economic feasibility of LULUCF climate projects for a fertilizer company
 - Calculated carbon footprint and climate risks for Russian regions
 - Adapted UNFCCC CDM methodologies for energy-sector climate projects

- 12/2020 – 12/2022 **Research Assistant, Research Laboratory Economics of Climate Change,**
Moscow, Russia *Higher School of Economics*
- Conducted research on carbon regulation systems and CBAM implications for the Russian economy
 - Analyzed prospects of Russian mining sector under global low-carbon transition
 - Prepared guidelines for carbon neutrality in the Sakhalin region
 - Evaluated companies' risks associated with climate-related regulations.

Publications

- 2023 Lipka, O.N., Bogdanovich, A.Yu., Andreeva, A.P., Karavaeva, A.S., Krylenko, S.V., & Sedova, A.M. *Assessment of climate risks for the Khanty-Mansiysk Autonomous Okrug-Ugra. Fundamental and Applied Climatology*, 9(2), 174–223.
- 2022 Ginzburg, V.A. et al., including Sedova, A.M. *National Report by the Russian Federation on Black Carbon and Methane Emissions 2022*. Submission to the Arctic Council.
- 2022 Agikyan N., Sedova A. *Die Auswirkungen des EU CO₂-Anpassungsmechanismus auf die Weltwirtschaft*. Anthology of the VII International Conference “World and Science”, Higher School of Economics.

Skills

- Languages Russian (Native), English (C1), German (C1)
- Technical MS Office, R, Stata, GAMS