

Barbora Šedová

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Research Positions

Since 06/2020	PIK (Potsdam, DE) Lab Leader, FutureLab - Security, Ethnic Conflicts and Migration Project Lead of the Weathering Risk initiative to improve understanding and action on climatic risks to peace and security, jointly led by PIK and adelphi in close collaboration with the German Federal Foreign Office.
01/2016 - 05/2021	Mercator Research Institute on Global Commons and Climate Change (MCC) (Berlin, DE) Fellow/Researcher, Working Group on Economic Growth and Human Development (Researcher from 01/2016 - 05/2020, Fellow since 06/2020)
09 - 11/2019	Columbia University (New York, USA) Visiting Scholar, School of International and Public Affairs & Earth Institute Host: Prof. Wolfram Schlenker
02 - 03/2019	Yale University (New Haven, USA) Visiting Scholar, Yale School of the Environment Host: Prof. Robert Mendelsohn

Education

07/2016 - 07/2021	Ph.D. in Economics (<i>summa cum laude</i>), MCC & University of Potsdam (Potsdam, DE) Focus areas: Environmental and Development Economics, Econometrics Thesis: Heterogeneous Effects of Weather and Climate Change on Human Migration Supervisors: Prof. Matthias Kalkuhl (MCC, University of Potsdam), Prof. Maik Heine- mann (University of Potsdam) Other committee members: Prof. Katrin Millock (Paris School of Economics), Prof. Jasper Tjaden (University of Potsdam), Prof. Rainald Borck (University of Potsdam)
2011 - 2012	M.Sc. in Economics, Tilburg University (Tilburg, NL) Major in Resources, Development and Growth
2006 - 2011	B.Sc. in Business, Economics and Social Sciences, Vienna University of Economics and Business (Vienna, AT) Major in Economics and Socio-Economics Erasmus Exchange Program: Helsinki School of Economics (2010)

Funding & Awards

2022	Awarded the prize for outstanding dissertation 2021 of the University of Potsdam
2021	Nominated for the dissertation prize of the University of Potsdam, Better World Award PhD Scholarship of the Heinrich Boell Foundation, Sarah Lohr, ca. €45,000
2020	UK DFID - The World Bank - UNHCR research funding - \$25,000 (10% success rate)
2019	DAAD scholarship for research stay at Columbia University - €8,000 Scholarship for the CESifo Summer Institute in Venice Scholarship for the EAERE FEEM VIU summer school in Venice - €300
2014	International Parliamentary Scholarship - €6,000

Presentations (selected)

2022	Preview Conference of the Federal Foreign Office (Berlin, DE); USAFRICOM Climate Security Symposium (virtual)
2021	Annual Conference of the European Association of Environmental and Resource Economists (EAERE) (virtual); Summer Conference of the Association of Environmental and Resource Economists (AERE) (virtual); The Economics of Migration - Junior Seminar; NYU's Practitioners Workshop on Conflict Early Warning/Early Action; Annual Congress of the German Economic Association (virtual)
2020	EAERE (virtual); Global Open Series in Environmental Economics - invited (virtual)
2019	EAERE (Manchester, UK); EAERE FEEM VIU summer school (Venice, IT) CESifo Summer Institute (Venice, IT)
2018	Potsdam Research Seminar in Economics (Potsdam, DE); 6th World Congress of Environmental and Resource Economists (WCERE) (Gothenburg, SE)
2017	5th PhD Workshop in Empirical Economics (Potsdam, DE); Impacts World (Potsdam, DE); EAERE (Athens, GR); Annual Conference on Development Economics and Policy of the German Economic Association (Göttingen, DE)
2016	Potsdam Research Seminar in Economics (Potsdam, DE)

Teaching

	Berlin Institute of Technology (Berlin, DE) Guest Lectures in Master's course Economics of Climate Policy
04/2022	<i>Climate Impacts on Human Security</i>
11/2020	<i>Conflicts and Migration in a Changing Climate</i>
07/2020	National Bank of Slovakia (Bratislava, SK) Lecturer for Economics Summer School: <i>Econometric Methods for Impact Analysis</i>
	University of Potsdam (Potsdam, DE)
2016-2019	Teaching Assistant, Master's course <i>Economics of Climate Change</i>
2017	Teaching Assistant, Master's course <i>Research Papers in Environmental Economics</i>
09/2016	Cusanuswerk (Papenburg, DE) Instructor for Summer Academy, Undergraduate <i>Workshop on DICE</i> (in German)

Languages

Programming: Python, Stata, R, L^AT_EX, QGIS, GAMS, JavaScript (Earth Engine)

Human: Slovak (native), German (fluent), English (fluent), Czech (fluent), French (intermediate)

Organization of Events

Making Sense of Climate Data for Peacebuilding, Berlin Climate and Security Conference (BCSC) 2021, with Lisa Binder (PIK)

EU Side Event: *Climate Change and Conflict: Prevention, Foresight, Resilience and Adaptation of Populations at Risk*, COP26, with EEAS and ICRC

Workshop *Priorities for Climate and Conflict Research*, BCSC 2020, with Adrien Detges (adelphi)

Workshop *Methodological Frontier to Estimate Past and Future Climate Change Impacts on Conflict*, BCSC 2020, with Adrien Detges (adelphi)

Thematic session: *Heterogeneity in Climate Change Induced Migration*, the 6th WCERE 2018, with Matthias Kalkuhl and Katrin Millock

Other Professional Service

Since 10/2021	Diversity Representative at PIK
10/2021	Invited expert to the <i>Vienna Dialogue on Climate and Security</i> to brief OSCE-Delegations about climate-related effects on security, Konrad Adenauer Foundation
06/2021	Invited expert to the <i>Expert Roundtable on Humanitarian Action and the Climate Crisis</i> , United Nations Office for the Coordination of Humanitarian Affairs (UN OCHA)
06/2021	Invited expert to the <i>PeaceLab Event: Climate Change, Crisis Prevention and Peacebuilding</i> , Global Public Policy Institute (GPPi)
02/2021	Invited expert to the scoping workshop <i>Crisis Prevention, Preparedness, Response and Resilience</i> , European Commission's Group of Chief Scientific Advisors
10-12/2020	Invited expert to the <i>Anticipating and Addressing Ecological Threats: Security Policy Seminar</i> , The Geneva Centre for Security Policy and the Institute for Economics & Peace

Reviewer Activities

Climatic Change, Economics of Disasters and Climate Change, Global Studies Quarterly, Energy Policy, Global Environmental Change, Land Economics, Nature Climate Change, Population and Environment, WIREs Climate Change

(Co-)Supervision of Students

PhD: Lohr, S. (2021). The Impact of Climate Change on Migration and Conflicts - since 2021
PhD: Michelini, S. Economics of Conflicts in a Changing Climate - since 2020
Master: Girnus, B. (2021). The Impact of Flood Risks on Property Values: A Case Study from Brandenburg
Master: Abbas, S. R. (2018). On the Empirical Evidence of Environmental Migration.

Other Work Experience

Since 2014	Independent Researcher/Consultant (Berlin, DE) Work for various clients: The World Bank, Heinrich-Boell-Foundation, adelphi, GIZ
08/2014 – 02/2015	GIZ (Berlin, DE) Research Intern, Competence Center on Energy
03 - 07/2014	German Bundestag (Berlin, DE) International Parliamentary Scholarship Program
04/2013 – 03/2014	Ministry of Environment of the Slovak Republic (Bratislava, SK) Analyst, Department of Economic Tools and Analysis Assessment of public policies and advisory to the government.
01 – 06/2012	PricewaterhouseCoopers (Den Haag, NL) Research Intern, Innovation Research Center

Volunteering & Initiatives (selected)

2018 - 2019	Movie and Discussion Nights on Climate Change (Berlin, DE)
2006 - 2010	Educational summer workshops in Roma settlements, People in Need (Rožkovce, SK)

List of Publications

Publications

Zander, K., Lotze-Campen, H., Ayeb-Karlsson, S., Nawrotzki, R., Richerzhagen, C., Sterly, H., Baggen, B., Garnett, S. and **Šedová, B.** (2022). Links Between Environmental Change and Human Mobility: Topic Modelling 30 Years of Literature, *Humanities and Social Sciences Communications*, 9(1), 1-9.

Hoffmann, R., **Šedová, B.** and Vinke, K. (2021). Improving the Evidence Base on Climate Migration: Methodological Insights from Two Meta-Analyses, *Global Environmental Change*, 71, p.102367.

Šedová, B. and Kalkuhl, M. (2020). Who Are the Climate Migrants and Where Do They Go? Evidence from Rural India. *World Development*, 129, 104848.

Šedová, B., Kalkuhl, M. and Mendelsohn, R. (2019). Distributional Impacts of Weather and Climate in Rural India, *Economics of Disasters and Climate Change*, 4(1), 5-44.

Šedová, B. (2016). On Causes of Illegal Waste Dumping in Slovakia. *Journal of Environmental Planning and Management*, 59(7), 1277-1303.

Papers Under Review

Hoffmann, R., Vinke, K. and **Šedová, B.** (2021). From Evidence to Policy: Bridging the Gaps in Climate Migration Research

Beyer, R., **Šedová, B.**, Schewe, J. and Lotze-Campen, H., (2021). Global Trends Between Conflict- and Disaster-induced Displacement and International Migration

Šedová, B. and Ludolph, L. (2021). Global Food Prices, Local Weather and Migration in Sub-Saharan Africa. *CEPA Discussion Paper No. 26*

Working Papers

Šedová, B., Čizmaziová, L. and Cook, A. (2021). A Meta-Analysis of Climate Migration Literature. *CEPA Discussion Paper No. 29* - covered by **Deutsche Welle (DW)**.

Šedová, B., Ludolph, L. and Talevi, M. (2021). Inequality and Conflict in the Aftermath of Internal Population Displacement Shocks: Evidence from Nigeria. *The World Bank Policy Research Working Papers*.

Michellini, S., **Šedová, B.**, Schewe, J. and Frieler, K. (2021). Can Weather-Related Extreme Events Help Predict Conflict? A Machine Learning Approach.

Work in Progress (selected)

Šedová, B., Schewe, J. and Mester, B.: Climate Displacement, Conflict and Migration Cascades to Europe.

Thalheimer, L., **Šedová, B.** and Oppenheimer, M.: When Does Climate (Im)mobility Cause Conflict?

Reports

Detges, A., Klungenfeld, D., König, C., Pohl, B., Rüttinger, L., Schewe, J., **Šedová, B.** and Vivekananda, J. (2020). 10 Insights on Climate Impacts and Peace.

Rüttinger, L., König, C., **Šedová, B.** and Vivekananda, J. (2021). Weathering Risk - Methodology Paper.

Other Writing/Podcasts

Europe Now (forthcoming): How Climate Change and Migration Cascade in the EU.

Der Standard - Ökonmieblog (2021): Warum Klimamigration für die EU relevant ist.

Podcast for the **Geneva Peace Week** (2021): Assessing the Risks of Climate Change Related Conflicts: How to Improve Approaches for and Strengthen Collaboration within the Field of Climate Security Modelling?

Frankfurter Allgemeine Zeitung (2021): Neue Allianzen gegen Klimakonflikte.

CARTA (2021): Food Security and Conflict in the Anthropocene: Addressing the Unfolding Storm.