



WITTGENSTEIN CENTRE CONFERENCE 2022

POPULATION AND CLIMATE CHANGE: THE DEFINING RELATIONSHIP OF THE 21ST CENTURY

30 November – 2 December 2022

Hybrid Conference - Scheduled in CET/MEZ Time

Programme

DAY I: WEDNESDAY, 30 NOVEMBER 2022

12:30 PM REGISTRATION

1:00 PM OPENING

1:30 PM SESSION 1: CLIMATE CHANGE AND WELLBEING

Session Chairs: Sonja Spitzer, Anne Goujon

Liliana Andriano

Investigating the Effects of Heatwave on Birthweight: Evidence from a Difference-in-Difference Analysis in Sub-Saharan Africa

*Risto Conte Keivabu, **Francesca Zanasi***

Extreme Heat and Health in Old Age

Jordan D. Klein, *Anjarasoa Rasoanomenjanahary*

Climate Change and Health Transitions: Evidence from Antananarivo, Madagascar

Elizabeth Fussell, *Kate Burrows, Narayan Sastry*

Research Designs for the Study of Disaster Effects on Demographic and Health Outcomes

POSTER FLASH [online](#)

Daniela Arsenović, *Stevan Savić, Dragan Milosević, Zorana Lužanin, Milena Kojić, Ivana Radić, Sanja Harhaji, Miodrag Arsić*

Seasonal Effect of Physiological Equivalent Temperature on Cardiovascular and Respiratory Hospital Admissions in Novi Sad (Serbia)

Johan Junkka, *Maria Hiltunen*

Temperature and Seasonality Related Infectious Disease Mortality Among Infants. A Retrospective Time-Series Study of Sweden, 1868-1892

3:00 PM COFFEE BREAK

3:30 PM SESSION 2: CLIMATE CHANGE AND MORTALITY

Session Chairs: Risto Conte Keivabu, Andrea Tamburini

Mikhail Maximenko, Sergey Timonin, Natalia Shartova
Spatial Patterns of Excess Mortality Related to 2010 Heatwave in European Russia

Dariya Ordanovich, Aurelio Tobias, Diego Ramiro
Temporal Variation of the Temperature-Mortality Association in Spain: A Nationwide Analysis

Dariya Ordanovich, Aurelio Tobias, **Diego Ramiro-Fariñas**, Stanislao Mazzoni
The Burden of Heat-Related Mortality in Madrid: A 130 Years Journey

Tamás Hajdu
Climate Change and the Mortality of the Unborn

4:50 PM COFFEE BREAK

5:15 PM KEYNOTE 1

Chairs: Shonali Pachauri, Jonas Peisker

Kristie L. Ebi, **The Center for Health and the Global Environment (CHaNGE)**, University of Washington
Climate Changes Health

6:15 PM BREAK

6:30 PM **FESTIVE EVENT**

7:30 PM RECEPTION

DAY II: THURSDAY, 1 DECEMBER 2022

9:00 AM KEYNOTE 2

Chairs: Erich Striessnig, Andrea Tamburini

Leiwen Jiang, Population Council and Asian Demographic Research Institute

Population, Urbanization, and Carbon Emissions – New Evidence from Empirical Studies

10:00 AM COFFEE BREAK & "Meet the editors of the Vienna Yearbook of Population Research (VYPR)" *onsite*

10:30 AM SESSION 3: DIFFERENTIAL VULNERABILITY AND ADAPTIVE CAPACITY

Session Chairs: Liliana Andriano, Raya Muttarak

Nicolas Chequette-Levy, Dirgha Ghimire, Rajendra Ghimire, Indra Chaudhary, Dil CK, Michael Oppenheimer

How Does Heterogeneity in Social and Informational Capital Affect Nepali Farmer Climate Risk Management?

Michael Freiberger, Roman Hoffmann, Alexia Prskawetz

Modelling Disaster Risk: Assessing the Impact of Education on Risk Behavior

Francesca Tosi, Livia Elisa Ortensi, Rosella Rettaroli

Estimating the Relationship Between Extreme Climate Events and Early Female Marriage in Bangladesh

Alfredo Alessandrini, Alessandra Conte, **Christoph Deuster, Daniela Ghio, Anne Goujon, Fabrizio Natale, Thomas Petroliagkis**

Exposure and Vulnerability to Climate Change and Disaster Displacement

Maya Luetke, Kathryn Grace, Elizabeth Heger Boyle

The Effect of Climate Shocks and Armed Conflict on Household Intimate Partner Violence in Burkina Faso and Kenya

POSTER FLASH *online*

Afeez Ayoade Adegbite, Adesanya Kehinde Kazeem, Lawal Olubanji Akanji, Agosu, Christopher Monday, Ajose Sunday Olumide

Socio-Economic Determinants of Climate Change Vulnerability Impacts and Adaptive Capabilities of Residents of Riverine Communities in Nigeria

Viacheslav Lipatov, Nadira Mavlyanova

Differential Vulnerability to Floods and Adaptive Capacity in Russia

Adesanya Kehinde Kazeem, Adegbite Afeez Ayoade, Sebioniga-Lawal Monsurat Y.

Spatial Analysis of Population Densities, Household Emissions and Climate Change Effects on Nigeria Citizens

12:20 PM LUNCH BREAK

12:20 PM POSTER SESSION *onsite*

Mehdi Azam, Gregor C. Falk

Resilience Strategies and Environmentally Induced Migration in the Coastal Regions of Bangladesh: Existing Scenario and Post-Covid Implications on Livelihood and Food Security

Amanda Carrico, Katharine Donato

Climate Stress and Child Marriage in Southwestern Bangladesh

Côme Cheritel

Generational Carbon Accounts: Decomposing the Carbon Footprint by Age to Assess the Impact of Age and Generation on Carbon Emissions

Ingrid Setz, Andreas Chmielowski, Meng Lu, Victor Maus, Lorenz Wimmer

Unequal Exposure to Air Pollution: A Spatial Analysis of Vienna

Jesús Crespo Cuaresma, **Lukas Vashold**

A Unified Modelling Framework for Projecting Sectoral Greenhouse Gas Emissions

Hanne Dallenés, Robbe Geerts, Frédéric Vandermoere, Gerlinde Verbist
The Energy Mix: Understanding People's Diverging Energy Preferences in Belgium

Augusto Frederico Junqueira Schmidt, Albert Esteve, Roberto L. do Carmo
Household Composition Effects on Electricity Consumption in the US and Brazil

Setu Pelz, Shonali Pachauri, Caroline Zimm
Intersecting inequities in energy consumption, decent living standards and risk of climate change exposure in Ghana, India, and Brazil

Klaus Prettner, Alexia Fürnkranz-Prskawetz, Michael Kuhn, **Martina Siskova**, Vadim Kufenko
Emissions and Fertility Loss in Depopulation Countries

Hannes Mangelsdorf, **Luca Rebeggiani**, Jana Stoever, Christina B. Wilke
Does an Ageing Society Challenge the Environment? - Projected Age-Specific Consumption for Germany and its Material Footprint

Andrea E. Schmidt, Felix Durstmüller, Katharina Brugger
Gendered patterns during heat waves: Evidence from Austria

Karolina Sobczak-Szelc, Dominik Wach, Magdalena Chutek, Jörg Haarpaintner, Astrid Espegren, Ewa Gromny, Małgorzata Jenerowicz-Sanikowska, Sebastian Aleksandrowicz
The Role of Remote Sensing Data in Mitigation of the Impact of Establishment and Development of Refugee Camps on the Natural Environment – Examples from Bangladesh and Tanzania

Andrea Tamburini, Erich Striessnig, Raya Muttarak
Assessing Future Vulnerabilities: A Machine Learning Approach to Multi-Dimensional Population Projections at the Sub-National Level

Lisa Thalheimer, Moritz P. Schwarz, Felix Pretis
How Weather and Conflict Shocks Affected Internal Displacement in Somalia During the 2016/17 Drought

Karim Zantout, Jacob Schewe
Modelling International Migration by Means of Stochastic Evolution

1:50 PM **SESSION 4: CLIMATE CHANGE AND MIGRATION**

Session Chairs: Roman Hoffmann, Patrick Sakdapolrak

Stefan Borsky, Alexander Marbler
Rural Water Availability and the Growth of Cities

Fabien Cottier, Wolfram Schlenker, Elisabeth Ilboudo Nébié, Richard Seager, Sonali McDermid, Michael J. Puma, Weston Anderson, Alex de Sherbinin, Andrew Reid
Crop Price Variability, Environmental Change and Intra-Regional Migration in Africa

Katharine Donato, Amanda Carrico, Leslie Valentine, Carol Wilson, Kimberly Rogers, Laura Caron
Erosion, Accretion and Migration in Bangladesh

Brian Thiede, **Abbie Robinson**, Clark Gray
Climatic Variability and Internal Migration in Asia: Evidence from Integrated Census and Survey Microdata

Kathleen Hermans, Juliane Groth, Charlotte Wiederkehr, Patrick Sakdapolrak
Reciprocal Linkages Between Environmental Change and Migration: Lessons from Ethiopia

POSTER FLASH online

Keiti Kondi, Stefanija Veljanoska
Internal Migration as a Response to Soil Degradation: Evidence from Malawi

Shuai Zhou, Guangqing Chi
Migratory Responses to Environmental and Sociodemographic Factors in the United States: A Multi-Level Analysis, 2010 – 2020

Silvia Pianta, **Elina Brutschin**, Valentina Bosetti
Exploring Demand-Side Mitigation: Comparing Historical Dietary Changes and IAM Scenarios

3:40 PM **COFFEE BREAK**

Jan van Weeren, Stichting OverBevolking*The Great Multiplier***Dean Spears, University of Texas at Austin***The Effect of Population Size on Average Living Standards: Integrating Climate Damages with Endogenous Economic Growth?***Emma Engström, Institute for Future Studies***When Can Environmental Impact be Mitigated Through Changes in Population and Affluence? Comparing IPAT Models on Climate Change and Land-Use Change***Tobias Rüttenauer, University College London***The Effect of Exposure to Extreme Weather Events on Climate Change Belief Does Not Translate Into Behavioural Changes***Lisa Thalheimer, United Nations University (UNU-EHS)***Using an Integrated Attribution Model to Detect Anthropogenic Climate Change in Human Mobility*

Moderation

Shonali Pachauri, International Institute for Applied Systems Analysis (IIASA)**Wolfgang Lutz, Wittgenstein Centre for Demography and Global Human Capital (IIASA, OeAW, University of Vienna)**

5:45 PM END OF DAY 2

6:45 PM CONFERENCE DINNER

9:00 AM KEYNOTE 3

Chairs: Raya Muttarak, Jonas Peisker

Kathryn Grace, Minnesota Population Center, University of Minnesota, Twin Cities
How to Examine Climate Change and Fertility

10:00 AM COFFEE BREAK & "Meet the editors of the Vienna Yearbook of Population Research (VYPR)" *online*

10:30 AM SESSION 5: CLIMATE CHANGE AND REPRODUCTIVE BEHAVIOUR

Session Chairs: Elisabeth Fussel, Marie-Caroline Compans

Steffen Peters, Erich Striessnig, Maria Rita Testa, Alessandra Trimarchi, Natalie Nitsche
Too Worried about the Environment to Have Children? Or More Worried about the Environment Once One is a Parent?

Gerda Neyer, Gunnar Andersson, Johan Dahlberg, Livia Oláh, Melker Jörhall
Climate Change Concerns and Fertility Intentions

Nina Brooks, Cascade Tuholske, Kathryn McMahon, Kwaw Andam
Climate Change, Extreme Heat, and Women's Reproductive Health in Nigeria

Côme Cheritel, Roman Hoffmann, Raya Muttarak
Climate Change Impacts on Fertility in Low- and Middle-Income Countries: An Analysis Based on Global Subnational Data

Risto Conte Keivabu, Marco Cozzani, Joshua Wilde
Climate Change and Fertility

POSTER FLASH *online*

Georgios Bampinas, **Georgios Mavropoulos**
Does temperature affect fertility via the economy? Elaborating on the role of female labor supply and productivity

Natalie Blanton
"Bringing Life into a Chaotic World": A Qualitative Analysis at the Intersections of Gender, Race, Environmental Change and Childbearing

12:20 PM POSTER AWARD & CLOSING



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International Union for the Scientific Study of Population
Union internationale pour l'étude scientifique de la population

In collaboration with the IUSSP scientific panel on
Population Dynamics under Global Conflict and Climate Change.