



## 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

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#### 1:30 PM SESSION 1: CLIMATE CHANGE AND WELLBEING

*Session Chairs: Sonja Spitzer, Anne Goujon*

**Liliana Andriano**

*The Effects of Heatwave on Birthweight 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*

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#### 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

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3:30 PM SESSION 2: CLIMATE CHANGE AND MORTALITY

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*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-Fariñas**, Stanislao Mazzoni  
*The Burden of Heat-Related Mortality in Madrid: A 130 Years Journey*

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

**Tamás Hajdu**  
*Climate Change and the Mortality of the Unborn*

4:50 PM COFFEE BREAK

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5:15 PM KEYNOTE 1

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*Chairs: Shonali Pachauri, Jonas Peisker, Andrea Tamburini*

**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, Jonas Peisker, 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*

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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*

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**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, Andrea Tamburini*

**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.