Agenda

The Third Asian Population Forum

Population Projections for Socioeconomic, Environmental, and Climate Change Analysis

Host: **Asian Demographic Research Institute (ADRI) at Shanghai University**
In Collaboration with **International Institute for Applied Systems Analysis (IIASA)**
Supported by **Natural Science Foundation of China (NSFC)**
Date: October 31 and November 1, 2023
Venue: Lehu Hotel, Shanghai University, Shanghai, China

October 31, 2023

8:00am - 8:30 am
Registration

8:30 am - 8:50 am
Opening Session:
Moderator: Leiwen Jiang

Welcome Remarks by
- Liu Changsheng, President of Shanghai University
- Wolfgang Lutz (video record), Acting Director General of IIASA and PI of Asian MetaCentre
- Director of International Cooperation Bureau, Natural Science Foundation of China
- Anne Goujon, Director of POPJUS, IIASA

9:00 am – 10:30 am
Session 1: Global demographic projections for socioeconomic, environmental, and climate change assessments
Moderator: Deborah Balk

What's Beneath the Future: UN World Population Prospects?
Patrick Gerland (online), UN Population Division (UNPD)

Update on SSPs population and human capital projections
Anne Goujon, IIASA

Update on SSPs urbanization projections
Leiwen Jiang, ADRI/Pop Council

10:30 am – 10:45 am
Coffee break

10:45 am – 12:15 pm
Session 2: Assumptions on the demographic determinants of population changes
Moderator: Anne Goujon

Global fertility trends
Tomas Sobotka, Vienna Institute for Demography

The global mortality projections by the Shared Socioeconomic Pathways (SSPs)
Moradhvaj Dhakad, IIASA

Migration flow proportions by age, sex and educational attainment
Dilek Yildiz, IIASA

Exploring unforeseeable: scenarios of high-migration events to Europe and their
demographic implications
Michaela Potancokova, IIASA

12:30pm – 2:00pm
Lunch break

2:00 pm – 3:30 pm
Session 3: Subnational population projection
Moderator: Xizhe Peng

Depopulation, super aging, and extreme heat events in South Korea
O Kim, Korea University

Sub-national population estimates and projections for Mexico under the Shared
Socioeconomic Pathways (SSPs): insights and implications for population policy
Ricardo Regules, Population Council Mexico

Frameworks to envision equitable urban futures in a changing climate: a multi-level,
multidisciplinary case study of New York City
Deborah Balk, City University of New York (CUNY)

Application of Small Area Population Prediction Methods: based on the Comparison of GWR and CCR
Xiang Huali, Zhongnan University of Economics and Law

3:30 pm – 3:45 pm
Coffee break

3:45 pm – 5:40 pm
Session 4: Application of demographic projections to socioeconomic, environmental climate change scenarios
Moderator: Lewis Dijkstra

The importance of demographic heterogeneity in capturing the drivers and impacts of energy use in scenarios
Shonali Pachauri' (online), IIASA

Population and Climate Change: Projections, Perceptions and Policies
Karen Hardee, What Works Association

SSP-based Projections of Climate Impacts on SRHR and GBV
Erich Striessnig, University of Vienna

Population aging and Economic Dependency in Thailand: A Multidimensional Prospective Analysis
Guillaume Marois, ADRI/IIASA

Hu Huanyong Line based on geographical synthesis: Simulation and prediction under SSPs-RCPs scenario matrix
Haibin Xia, East China Normal University

5:40 pm – 6:30 pm
Poster Session:

Assessing the harvesting effect following extreme temperature-related mortality in Italy
Vinod Joseph Kannankeril Joseph et al., University of Bologna

Estimation of disability rates under the multi-dimensional assessment scale based on the newly released National Disability Assessment Scale of China
Xingtong Pei, Sun Yat-sen University

Post-enumeration survey: a data quality checker for population projection
Padma Prasad Khatiwada, Tribhuvan University

Reassessing socioeconomic inequality in mortality via distributional similarities
Ana Cristina Gómez Ugarte Valerio, Max Planck Institute for Demographic Research

Spatial and Sociodemographic heterogeneities in extreme temperature and natural disaster related mortality: a systemic literature review
William Kemp, University of Bologna

Temperature related deaths in Europe
Rosanna Gualdi et al., University of Bologna

6:30 pm
Dinner

November 1, 2023

9:00 am – 10:30 am
Session 5: Impacts of environmental and climate change on human population
Moderator: Doo-Sub Kim

How to account for the impact of COVID-19 and other mortality crises/shocks on life expectancy and estimation of excess mortality? UN World Population Prospects & UN-IGME strategy
Patrich Gerland (online), UNPD

Climate Change, Aridity, and Internal Migration: Evidence from Census Microdata for 72 Countries
Guy Abel, ADRI

Assessing the impact of temperature anomalies on fertility: a municipal level analysis in Mexico 1985-2020
Itza Akari Olguín Zúñiga, Bologna University

Rural-urban disparities in multimorbidity associated with climate change and air pollution: A longitudinal analysis among Chinese adults aged 45+
Hu Kai, East China University of Science and Technology

10:30 am – 10:45 am
Coffee break

10:45 am – 12:15 pm
Session 5: Urbanization and spatial population projections
Moderator: Yu Zhu

Projecting high- and low-density scenarios using the new Degree of Urbanization
Lewis Dijkstra, European Commission

How to define the urban population in China? A review and a rethink
Qi Wei, China Academy of Sciences (CAS)

Projecting built-up area and population to 2100
Deborah Balk, CUNY

Sub-national disaggregation of population projections based on European NUTS-2 data, including age and education.
Andrea Tamburini, University of Vienna/IIASA

12:30 pm- 2:00 pm
Lunch break

2:00 pm – 3:30pm
Session 7: Exploring new dimensions of demographic future (I)
Moderator: Mohammad Jalal Abbasi-Shavazi

Socioeconomic impacts of China's population change and policy implications.
Zuo Xuejin, Shanghai Academy of Social Sciences and Nantong University

Demographic Transition and Window of Opportunity in Bangladesh from 1971 to 2100
Md. Ismail Tareque, University of Rajshahi

Demography of forced migration? Implications for projection
Mohammad Jalal Abbasi-Shavazi, University of Tehran

Sub-national disparities in the global mobility of academic talent
Xinyi Zhao, Max Planck Institute for Demographic Research

3:45 pm – 5:15 pm
Session 8: Exploring new dimensions of demographic future (II)
Moderator: Tomas Sobotka

Medical innovation, life expectancy, and economic growth
Michael Kuhn(online), IIASA

Environmental exposures and under-5 mortality in India: a survival analysis of DHS data
Vinod Joseph Kannankeril Joseph, Bologna University

Rural/urban fertility differentials in the Global South: Is female education the key driver of declining birth rates?
Saroja Adhikari, IIASA

Trends in fertility among Chinese provinces
Zhang Cuiling, China Population and Development Research Center (CPDRC)

5:15 pm -6:15pm
Closing: Round table discussion on looking to the future
Moderator: Chen Chen

Panel members: Wolfgang Lutz (online), Anne Goujon, Leiwen Jiang, Ruttiya Bhula-or (Chulalongkorn University)

6:30 pm
Dinner