

Agenda

Training workshop on

Multidimensional and Multiscale Demographic Modeling for Environmental and Climate Change Scenario Development

Dates: Oct. 25-30, 2023

Host: Asian Demographic Research Institute (ADRI), Shanghai University

Collaborators: International Institute for Applied System Analysis (IIASA)
Population Council

Supported by: Natural Science Foundation of China (NSFC)

Oct. 25

2:00 pm – 5:30 pm

Environmental and climate change scenario architect using demographic modeling – Shared Socioeconomic Pathways as an example.

Instructors: Leiwen Jiang, Anne Goujon, Samir KC

Oct. 26

Multidimensional and multiscale demographic modeling based on Community Demographic Model (CDM)

9:00 am – 12:15 pm

CDM-Multiregional Population Projections: introduction and practices

Instructors: Leiwen Jiang, Hamidreza Zoraghein

12:30 pm – 2:00 pm

Lunch break

2:00 pm – 5:30 pm

CDM-Urbanization Projections: introduction and practices

Instructor: Leiwen Jiang

Oct. 27

Multidimensional and multiscale demographic modeling based on Community Demographic Model (CDM)

9:00 am – 12:00 pm

CDM-Spatial Population Downscaling: introduction and practices

Instructors: Leiwen Jiang, Hamidreza Zoraghein

12:00 pm – 2:00 pm

Lunch break

2:00 pm – 5:30 pm

Multidimensional population projections based on IIASA human capital projection model

Introduction to the methods and models

Instructor: Samir KC (assisted by Yingji Wu and Binjie Jing)

Oct. 28

9:00 am – 12:15 pm

Demographic assumptions for developing population projection scenarios (I)

Principles, mortality, migration

Instructors: Anne Goujon, Dilek Yildiz, Moradhvaj

12:30 pm – 2:00 pm

Lunch break

2:00 pm – 5:30 pm

Demographic assumptions for developing population projection scenarios (II)

Fertility, education

Instructor: Samir KC (assisted by Yingji Wu and Binjie Jing)

Oct. 29

9:00 am – 12:15 pm

Demographic assumptions for developing population projection scenarios (III)

Population projection practice and presentations by participants

Instructors: Anne Goujon, Dilek Yildiz, Moradhvaj

12:30 pm – 2:00 pm

Lunch break

2:00 pm – 5:30 pm

Microsimulation for population projections

Instructor: Guillaume Marois

Oct. 30

9:00 am – 10:20 am

CDM-Household Projections: introduction and practices

Instructor: Leiwen Jiang, Hamidreza Zoraghein

10:30 am – 12:00 pm

Discussion and brainstorm for collaborative projects on extension of demographic projections consistent with climate change scenario (e.g., comparative analysis on subnational demographic projections)

Demonstrations: China, India, Mexico, Nepal, Pakistan ...