Wittgenstein Centre

FOR DEMOGRAPHY AND GLOBAL HUMAN CAPITAL

A COLLABORATION OF IIASA, VID/ÖAW, WU

IIASA International Institute for Applied Systems Analysis www.iiasa.ac.at

ÖAW AUSTRIAN ACADEMY OF SCIENCES

Vienna Institute of Demography

WU WIRTSCHAFTS UNIVERSITÄT WIEN VIENNA UNIVERSITY OF ECONOMICS AND BUSINESS

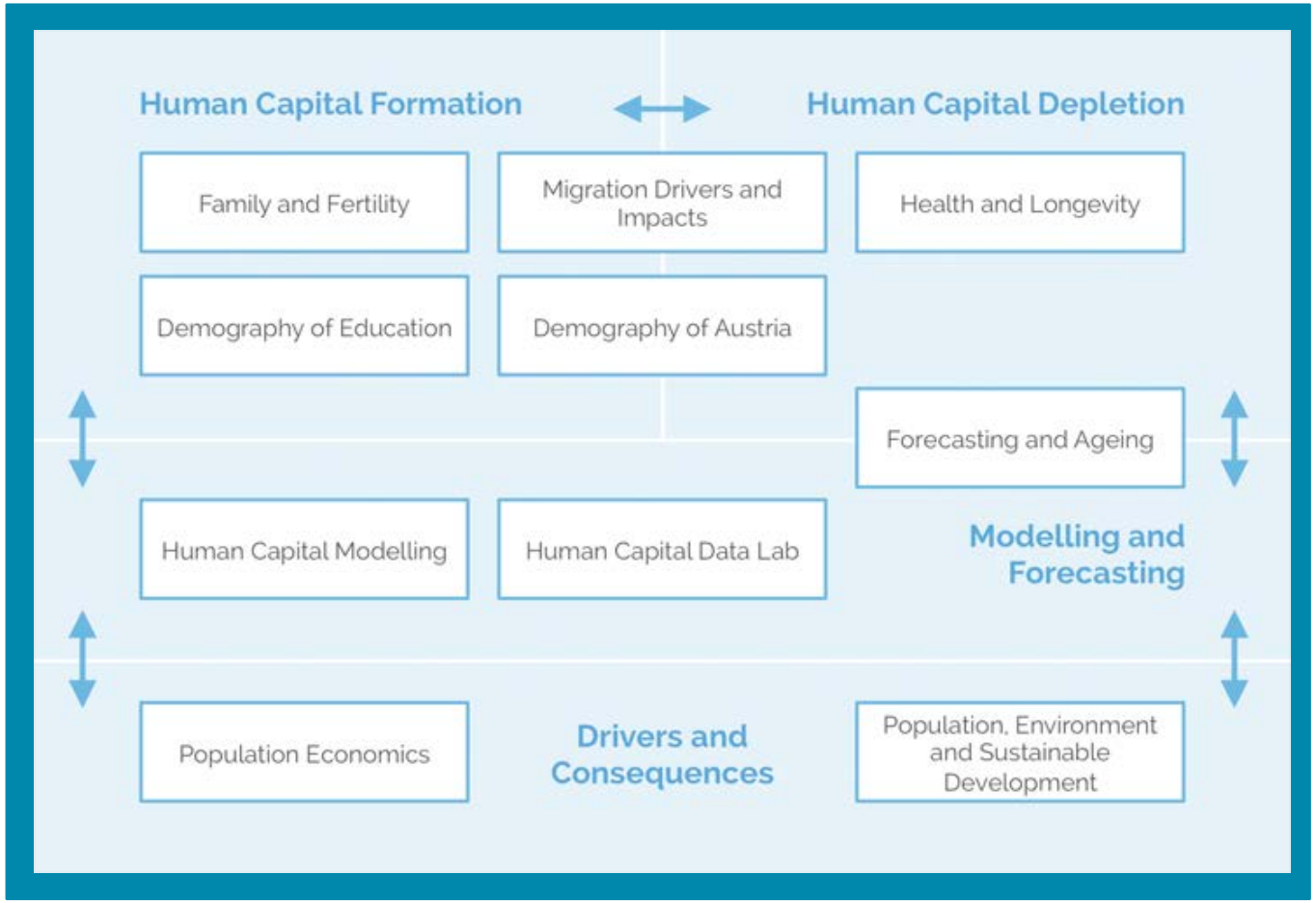
MISSION STATEMENT

The Wittgenstein Centre (WIC) aspires to be a world leader in the advancement of demographic methods and their application to the analysis of human capital and population dynamics. In assessing the effects of these forces on long-term human well-being, we combine scientific excellence in a multidisciplinary context with relevance to a global audience.

WIC RESEARCH

The research of WIC is structured into **four broad research themes**.

* Human Capital Formation
* Human Capital Depletion
* Modelling and Forecasting
* Drivers and Consequences



I FERTILITY AND FAMILY

Picture: ©istockphoto/illustrious

The "Fertility and Family" research group covers a broad range of topics pertaining to fertility, fertility preferences, family formation, reproduction, partnerships, union formation and dissolution, couple dynamics and their interrelations.

2 DEMOGRAPHY OF EDUCATION

The "Demography of Education" research group uses mixed methods to conduct population-centred analyses of education policy and development, both globally and in a local context.

3 HEALTH AND LONGEVITY

The main objective of the research group "Health and Longevity" is to disentangle the complex causation of healthy ageing. We want to better understand the factors and causal mechanisms that enable some (groups of) people to live longer and healthier than others.

4 MIGRATION: DRIVERS AND IMPACTS

The Research Group "Migration: Drivers and Consequences" is dedicated to the study of migration trends and their consequences on both sending and receiving countries. The team uses quantitative methods to develop new policy relevant knowledge.

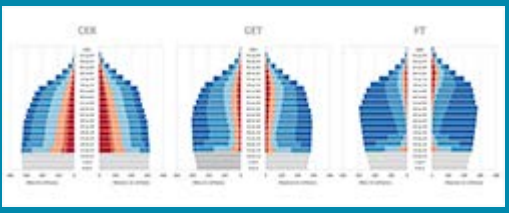
5 DEMOGRAPHY OF AUSTRIA

Using quantitative data and methods, this research group currently exerts a service function regarding research data for the WIC and the scientific community at large; furthermore, demographic analyses with a focus on Austria are on the research agenda.

6 FORECASTING AND AGEING

The focus of this research group is on population dynamics, demographic analysis and forecasting. Main themes of the research are: population projections, methodological issues of projecting mortality and migration, and population ageing.

7 HUMAN CAPITAL MODELLING



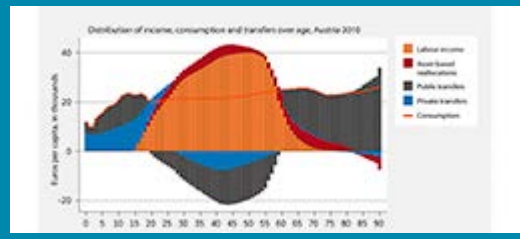
This group's main research activity is in developing methods and models to capture demography and human capital dynamics in a population from global to sub-national level.

8 HUMAN CAPITAL DATA LAB

This research group has two main functions.

1) To provide a service – in terms of human capital data collection, harmonisation and processing.
2) To contribute scientific evidence to the global research community on the role played by education through time, across countries and regions, and the influence it could further have on the future.

9 POPULATION ECONOMICS



The group is investigating the inter-relationship between population (structure and dynamics) and economic incentives, processes, and outcomes. Research is carried out into these complex processes using advanced methods drawn from several disciplines.

10 POPULATION, ENVIRONMENT & SUSTAINABLE DEVELOPMENT

The research group applies demographic concepts and analytical tools to empirically assess the complex relationship between population dynamics, environment and sustainable development

WIC COOPERATION – JRC

IIASA and JRC (Joint Research Centre of the European Commission) have established a joint Centre of Expertise on Migration and Demography - based at IIASA (Austria) and JRC in Ispra (Italy).

It applies multi-dimensional demographic tools to assess the impact of alternative future migration scenarios on Europe's population composition in the context of ageing.

WIC INTERNATIONALIZATION: ADRI

ADRI
Asian Demographic Research Institute
上海大学亚洲人口研究中心暨人口研究所

Together with the University of Shanghai, IIASA's World Population Program has established the Asian Demographic Research Institute (ADRI). The institute also serves as new headquarter of the Asian MetaCentre for Population and Sustainable Development.

ADRI has the mission to focus on comparative demographic analysis in Asia.

ONGOING ERC-GRANTS AT WIC

ERC Advanced Grant
RE-AGING

Reassessing Aging from a Population Perspective
P.I.: Sergei Scherbov
2013-2018

The Reassessing Aging from a Population Perspective (Re-Aging) project develops new approaches to the study of age and aging that are appropriate for 21st century conditions.

ONGOING ERC-GRANTS AT WIC

ERC Consolidator Grant
LETHE

Levels and Trends of Health Expectancy:
Understanding its Measurement and Estimation Sensitivity
P.I.: M. Luy
2017-2022

Estimates of "Health Expectancy" are extremely sensitive to certain methodological issues of which many are widely ignored. This project will systematically explore and assess these effects in the context of some major actual research questions. In addition, the project aims to identify the particular health measure that is most strongly associated with people's actual happiness.

ONGOING ERC-GRANTS AT WIC

ERC Advanced Grant
EMPOWERED LIFE YEARS

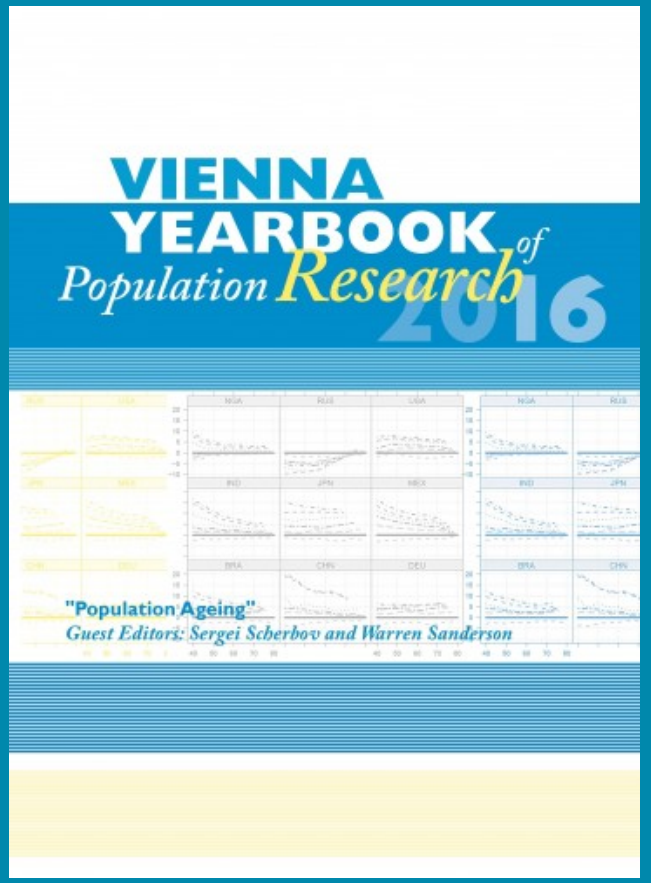
The Demography of Sustainable Human Wellbeing

P.I.: Wolfgang Lutz

2017-2022

The project aims to develop new indicators for long-term human wellbeing that include feedbacks from environmental and other changes.

VIENNA YEARBOOK OF POPULATION RESEARCH

Special Issue on "Population Ageing"

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