VID Colloquium
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Vienna Institute of Demography
Welthandelsplatz 2 / Level 2
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Friday, 9. December 2016
11:00 - 12:00 am

"Projecting beyond age, sex, and education using microsimulation: A model for Austria"

We present a preliminary version of a microsimulation projection model for Austria which goes beyond the usual dimensions of age, sex and education. The model simultaneously projects demographic (age, sex), some ethnocultural (immigration status and duration of stay in country for immigrants, country of birth), and socioeconomic (education, labor force status, literacy skill level) characteristics of the Austrian population. The presentation describes the structure of the model with a focus on the education and the literacy skills projection modules. In particular, we show how factors linked with literacy skill level were identified using PIAAC data and how they served as input in the projection model. Preliminary results are presented and discussed. The reference scenario is based on some inputs from the Wittgenstein Centre for Demography and Global Human Capital to demonstrate that the microsimulation can replicate results from the macro model (Lutz, Butz and KC, 2014). The, using different what-if scenarios, we go beyond age, sex and education to illustrate some of the relationships between ethno-cultural characteristics and socioeconomic composition of the future population..

About the presenter
Samuel Vézina is a PhD student in demography at INRS in Montreal, Canada. He holds a Joseph-Armand-Bombardier Canada Graduate Scholarship from the Canadian Social Sciences and Humanities Research Council. He earned a master's degree in demography (University of Montreal) for his work on demographic ageing in the Caribbean. Before enrolling in his PhD program, Samuel was a research associate at Mount St.Vincent University where he was responsible for generating projections of future home care needs in Canada. His current research interests are on adult literacy skills and the impact of immigration on overall skill level of the working-age population. His thesis focuses on the projection of literacy skills of the Canadian adult population using microsimulation. Samuel was awarded the Michael-Smith scholarship to conduct a comparative research Canada-Austria at the Wittgenstein Centre for Demography in Vienna. Alain Bélanger is professor of demography at the Quebec's Institut National de la Recherche Scientifique (INRS) in Montréal. He graduated from the University of Montréal where he received his BA in History and MSc in Demography and from the University of Colorado where he received his PhD in Geography. Prior to his appointment with INRS, he worked 17 years at Statistics Canada where he held the positions of Coordinator of research and analysis in Demography Division and Assistant-director with the Census Subject Matter Program. Between 1999 and 2006, he was the Editor of Statistics Canada's annual Report on the Demographic Situation in Canada. He has been elected and served as Vice-President (2012-2012) and President of the Canadian Population Association (2014-2016). His research interests include population projections and microsimulation, immigration and integration and demolinguistic.