

Vienna, June 21st, 2016

Dear EAPS council!

With this letter we want to nominate Wolfgang Lutz for the **EAPS Award for Population Studies**.

Wolfgang has made a most significant contribution to demographic methodology by developing the theoretical, methodological and empirical basis for adding educational attainment to age and sex as a third demographic dimension in population dynamics. He has not only published on this in all leading demographic journals (see attached list of publications) but also had a major review article on this new approach in *Science* entitled “Global Human Capital: Integrating Education and Population” (Lutz and KC 2011). Furthermore, being first author of 11 articles in *Science* and *Nature* (8 refereed articles and 3 letters) he belongs to the demographers with most contributions in these two top journals.

Equally impressive to these methodological publications is his success in operationalizing the new approach for the systematic production of population projections by age, sex and six levels of educational attainment for all countries in the world. The result has recently been published in an over 1000 page volume with Oxford University Press entitled “World Population and Human Capital in the 21<sup>st</sup> Century” (Lutz et al., eds. 2014). This is the result of a most impressive effort of synthesizing the substantive input of more than 500 population experts participating in an on-line survey and 26 lead authors plus 46 contributing authors who summarized the state of our knowledge on the drivers of fertility, mortality, migration and education. Among many methodological challenges this included e.g. the development of new procedures for estimating education-, age- and sex-specific fertility and mortality schedules for all countries for the coming decades. In many important respects this book has made pioneering contributions to demographic methodology. And by broadening the scope to human capital it has made demography in general more relevant for the rest of the world. A concrete example for this is the fact that the new global scenarios used by all leading research team in climate change modelling (the SSPs, i.e. Shared Socioeconomic Pathways) already chose to use these scenarios by level of education as the “human core” that is linked to economic growth as well as transformative capacity in the energy system and adaptive capacity to already unavoidable climate change. A link to the Executive Summary can be found under <http://webarchive.iiasa.ac.at/Admin/PUB/Documents/XO-14-031.pdf>

This book had been dedicated to the memory of Nathan Keyfitz at the occasion of his 100<sup>th</sup> birthday. In a comment on this OUP book Joel Cohen writes: “*This monumental, pioneering volume proselytizes for a new trinity of fundamentals of demography: age, sex, and education. If this book succeeds in its mission, as I hope it will, the future will look different, not only for the science of demography, but also for all people’s lives.*”

We are convinced that this pioneering contribution by Wolfgang Lutz, together with his previous work on probabilistic projections, the low fertility trap, population & environment case studies and parity specific fertility studies does indeed deserve the EAPS Award for Population Studies.

Wolfgang Lutz has not only achieved path breaking research but has been extremely active in mentoring and supporting the career of many demographers, in particular in Europe. He also provides intensive support for Europe’s young academics, e.g. through the permanent supply of the European Doctoral School of Demography (EDSD) with lecturers from the Wittgenstein Centre for Demography and Global Human Capital. Last but not least, with the foundation of the Wittgenstein Centre he has managed to position Austria among the top European demographic centres.

The nomination is supported by the following EAPS members:

Tommy Bengtsson (Sweden), Graziella Caselli (Italy), Gabriele Doblhammer-Reiter (Germany), Anne Goujon (Austria), Alexia Fürnkranz-Prskawetz (Austria), Michael Kuhn (Austria), Tomas Sobotka (Czech Republic, Austria), Frans Willekens (Netherlands), Guillaume Wunsch (Belgium)