|  |
| --- |
| European Forum for Geography and Statistics  Vienna Conference Vienna, 10 – 12 November 2015 |
| ***Name(s) of author(s):***  *Erin Doxsey-Whitfield, Susana B. Adamo, Kytt MacManus* ***Organization***Center for International Earth Science Information Network (CIESIN), Columbia University |
| ***Title of Presentation, Paper or Poster***  *Gridding global male and female populations: new data from the Gridded Population of the World (GPW)* |

**Abstract**

(300 – 500 words)

For over twenty years, the Gridded Population of the World (GPW) data set has developed global grids of population estimates based on census data. These grids have been widely used in a broad range of applications, including human and environmental problem-solving, scientific research, policy making, and communications. The most recent version, GPWv4, has been updated with population data from the 2010 round of censuses and is now gridded at 30 arc-seconds (~1 km at the equator). GPWv4 will be released in the fall of 2015.

A new and highly anticipated improvement coming to the GPWv4 data set is the inclusion of global grids of sex, age (5-year age groups), and urban/rural status, also at 30 arc-second resolution. There has been a strong demand from the research and policy communities to include demographic information in global population grids in order to extend their usefulness for social, humanitarian, and other applications. Indeed, monitoring the implementation of the new Sustainable Development Goals requires global data that are disaggregated by characteristics including gender, age, and geographic location.

Subnational population data for these grids were sourced from the 2010 round of censuses, at the highest resolution possible. When census counts were unavailable, official subnational estimates from national statistics offices (NSOs) were selected. Lastly, when no population data were available from NSOs, national-level estimates for 2010 were taken from the *Urban and Rural Population by Age and Sex, 1980-2015 (URPAS)* data set provided by the UN/DESA Population Division.

This presentation will provide detailed information on the creation of the first grids of basic demographic characteristics that will be released in GPWv4: global grids of population by sex, ca 2010. Specifically, it will present the methods used to create them, highlight some of the challenges faced by our team in acquiring and integrating the data, and provide an early look at these demographic grids.