

## **Construction of gridded population and poverty data sets from different data sources**

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### **Abstract**

The Center for International Earth Science Information Network (CIESIN) was, together with partners at the National Center for Geographic Information Analysis (NCGIA), the first group to produce and distribute gridded census products. CIESIN and NCGIA released Gridded Population of the World v.1 in 1995. Since that date, CIESIN has, together with partners produced a large number of gridded socioeconomic data products, including a 1km resolution urban-rural grid (GRUMP), US census grids, global infant mortality and malnutrition grids, and gross domestic product grids. The baseline gridding is done using a proportional allocation algorithm on the highest spatial resolution census or survey data available, and for GRUMP, population are reallocated based on urban-rural boundaries as defined by night time lights and estimates of settlement population size. This presentation describes the products and the methods used to produce them, describes future planned data products, and discusses areas where collaboration among groups producing gridded socioeconomic data products could be helpful.