Microsoft Azure to help eradicate poverty

WorldPop uses advanced data analytics and high-performance computing, to combine large datasets from census, demographic, satellite, GIS, and other sources to produce mappings. These maps empower researchers and policy makers in governments as well as those in the United Nations, the World Bank, the World Health Organization, and many aid organizations. WorldPop researchers utilize diverse Azure capabilities to accelerate and refine their work, keeping pace with extremely dynamic population numbers and compositions.

With Azure capabilities, researchers can achieve spatial and temporal mappings with resolutions as small as **100 METERS** square.

The world's wealthier nations and non-governmental organizations (NGOs) rely upon data to provide some **$100 BILLION** in assistance to poorer nations each year.

It's difficult to maintain the integrity of census data across time and space. Afghanistan's last census, for example, was **1979**.

Maksym Bondarenko, a WorldPop research fellow, was able to use **800 MILLION** cells in Azure to map global distances by 100-meter pixel.

"At WorldPop, we're shaving as much as **90%** off our calculation run-times using Microsoft Azure."

Andy Tatem, Director

Microsoft