UN Regional Hub for Big Data in Africa - Webinar series: Mobile Phone Data Task Team

16 November 2023

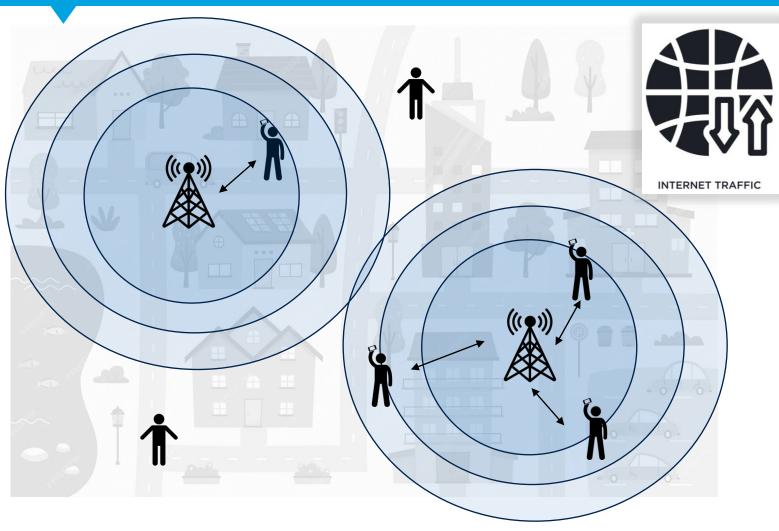
Mobile phone data for measuring the information society

Fredrik Eriksson

Data Scientist International Telecommunication Union (ITU)



Mobile phone data is information society



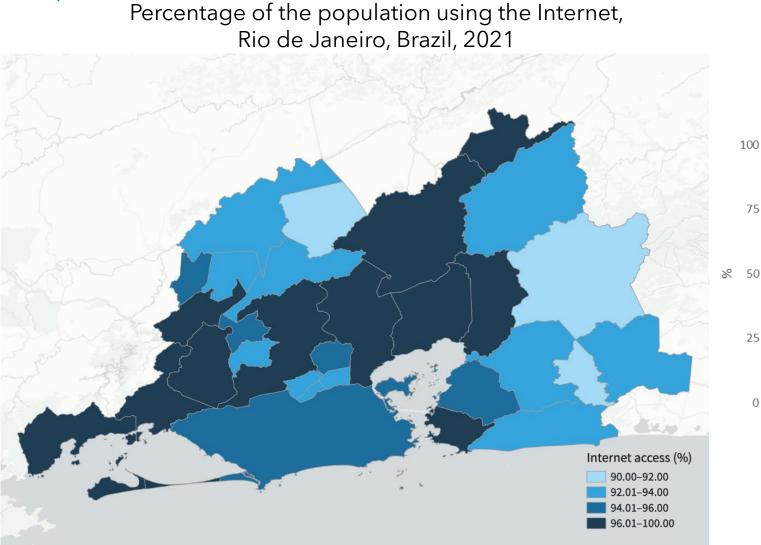
• Full access to mobile phone data could add <u>enormous value</u> information society statistics

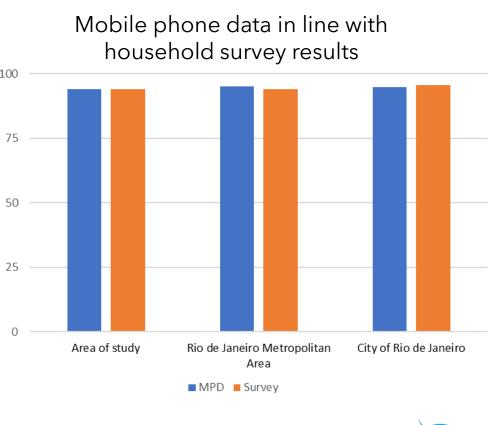
 Mobile phone data could inform on:

- Internet and mobile phone use
- Coverage of mobile networks
- Call, SMS and data traffic
- Add sub-national and time dimensions
- ITU pilots have mainly focused on two SDG ICT indicators: Internet use and mobile network coverage

See: Methodological guide on the use of mobile phone data: information society SDG indicators, https://unstats.un.org/wiki/display/MPRM

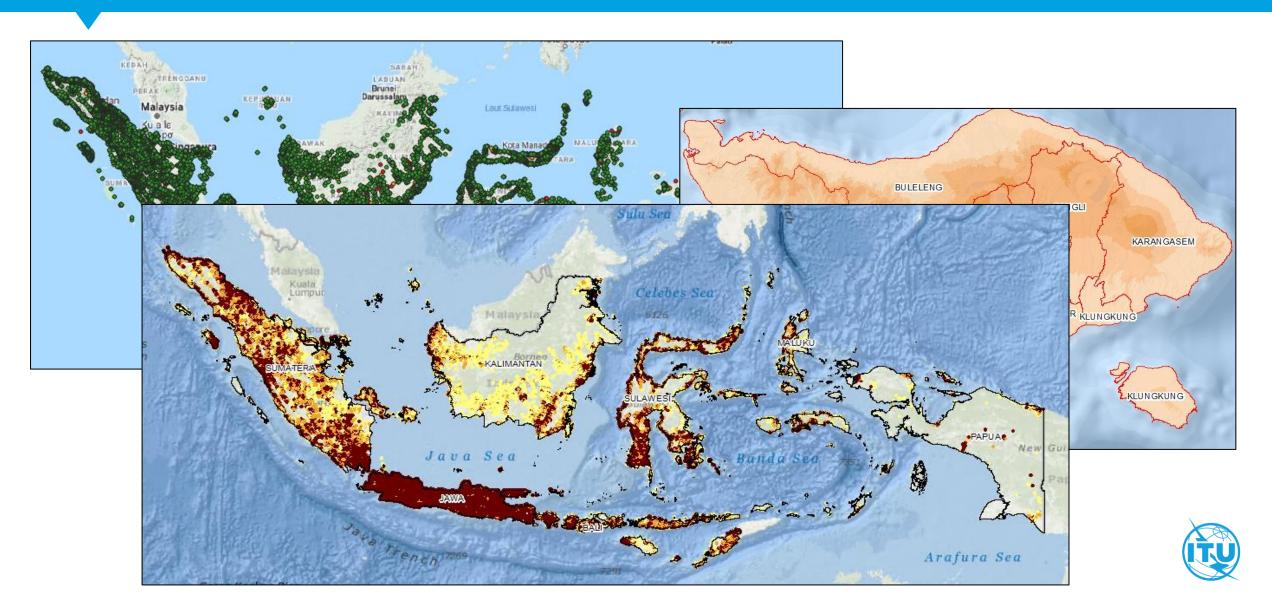
SDG indicator 17.8.1: % of population using the Internet



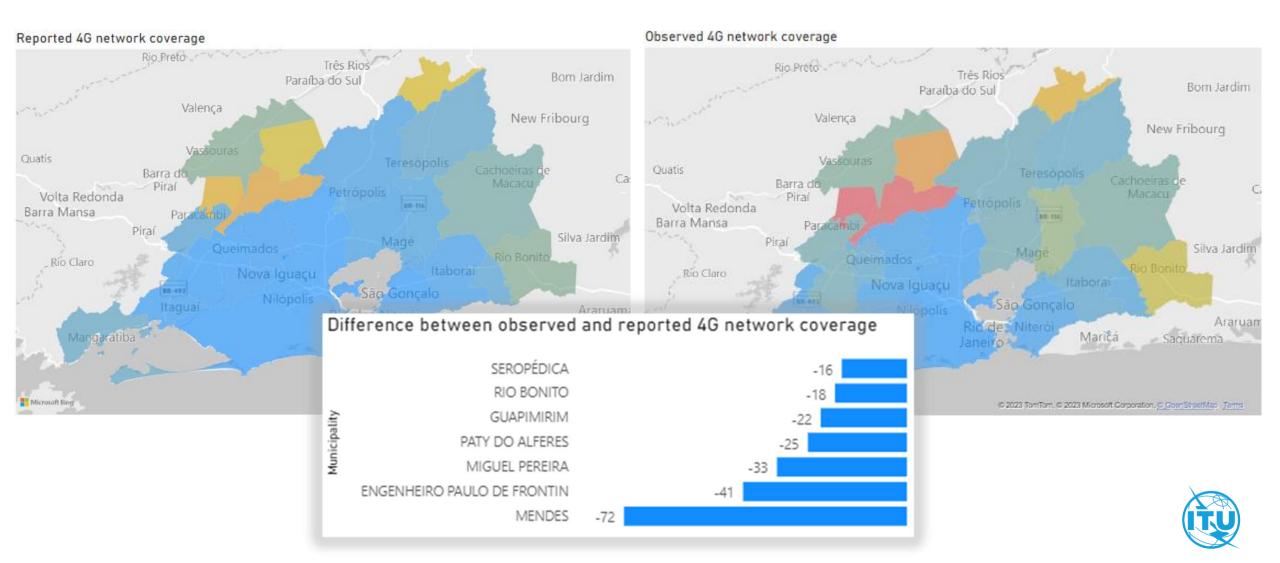




SDG indicator 9.c.1: % of population covered by a mobile network #1/2

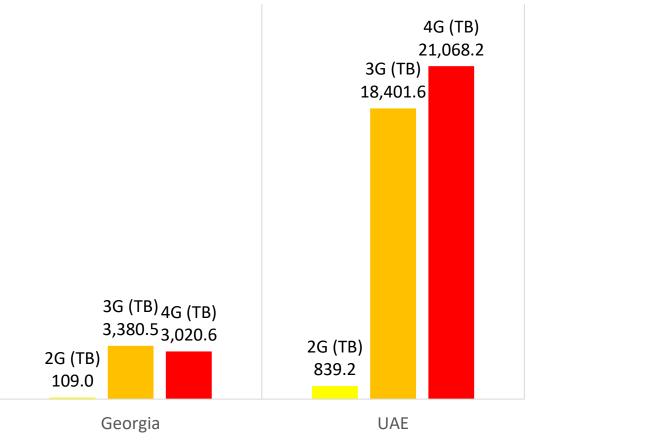


SDG indicator 9.c.1: % of population covered by a mobile network #2/2

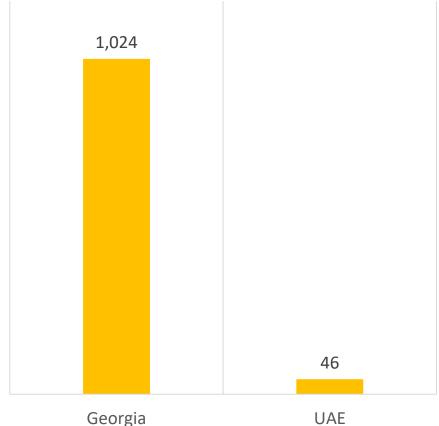


More disaggregated ICT data on traffic

Domestic mobile-cellular traffic, by technology (in TB)



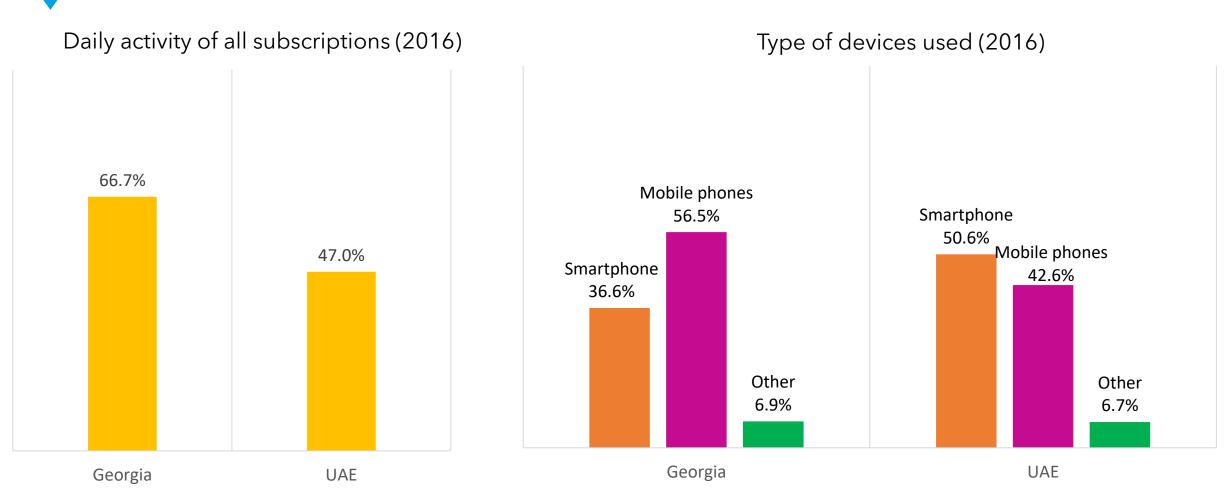
Outbound roaming mobile-cellular traffic (in TB)







New ICT indicators made possible by mobile phone data





ITU mobile phone data pilots

- Brazil
- Colombia
- Georgia
- Indonesia
- Kenya
- Philippines
- Sweden
- United Arab Emirates



Read reports at: https://www.itu.int/en/ITU-D/Statistics/Pages/bigdata/default.aspx



Thank you!

indicators@itu.int

