



# Poverty mapping

## using small area estimation

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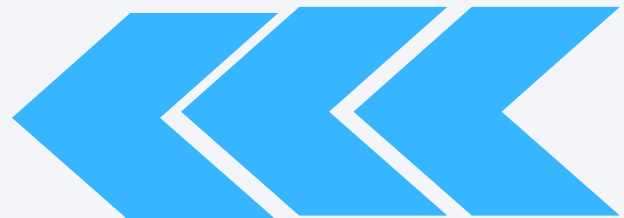
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Household Surveys

1 July 2021, 10am - 12:30pm EDT

English & Spanish

Register: <https://tinyurl.com/pnp9w349>



# Poverty mapping using small area estimation techniques

UN-ECLAC Statistics Division and Intersecretariat Working Group on Household Surveys

1 July 2021 Virtual meeting  
(10:00—12:30 EDT)

## CONCEPT NOTE

### Background

Implementing the Sustainable Development Goals (SDG) requires addressing the challenge of “leaving no one behind” and overcoming inequalities. The adoption of public policies at the subnational level requires integrating data from different sources to obtain proper estimates for geographical areas within countries. SDG indicator 1.1.1 seeks to estimate the proportion of the population below the international poverty line, disaggregated by sex, age group, employment status, and geographical location.

Moreover, the COVID-19 pandemic and the measures taken to contain it and prevent its further spread are causing an enormous effect on the economy and the living conditions of the population. As ECLAC has reported, Latin America and the Caribbean are being severely affected as the number of people living in poverty grew from 187 million in 2019 to 209 million in 2020, representing 33.7% of the Latin American population. ECLAC also projected greater inequality in the distribution of income in all the region countries, with an average increase of the Gini index around 3% in a single year.

The growing need for disaggregated statistics for specific geographic areas and small groups of the population can be adequately fulfilled by Small Area Estimation (SAE) procedures, which allows achieving accuracy beyond the limits of the survey sample approach. Many countries have begun to use SAE techniques in order to provide official poverty statistics. The World Bank, the UN Regional Commissions, and the Inter-Secretariat Working Group on Household Surveys have established capacity-building projects to support countries in estimating poverty indicators at the subnational level.

### Objectives and outcomes

As many countries have turned their attention to the estimation of poverty at the subnational level, this webinar aims to discuss practical aspects of poverty mapping.

The webinar will also present some experiences by countries on developing methodologies concerning the production of disaggregated statistics using SAE techniques, and on transforming SAE from experiment to official data production.

**Date and time:** Thursday, 1 July 2021, 10am

**EDT. Target audience**

The webinar will bring together statisticians and social researchers from the National Statistical Offices (NSOs) and other parts of the National Statistical Systems (NSSs) to strengthen their capacity to estimate SDG indicators at the subnational level, with a particular focus on poverty indicators.

### Speakers

- National Statistical Institutes
- Government Agencies
- World Bank
- Statistics Division, Economic Commission for Latin America and the Caribbean.
- Inter-Secretariat Working Group on Household Surveys

**Length of the webinar:** 2 hours

**Platform:** ECLAC's WEBEX with translation (English/Spanish, Spanish/English)

**Registration Form:** [Click on this link to register](#)

**Logistic support:** ECLAC and Secretariat

### Webinar Programme (EDT time)

10:00 - 10:10	<i>Moderate:</i> Xavier Mancero, Statistics Division of ECLAC Welcome Rolando Ocampo, Statistics Division of ECLAC & Francesca Perucci, UN Statistics Division
10:10 - 10:30	Presentation of the Toolkit for SAE Haoyi Chen, Inter-Secretariat Working Group on Household Surveys
10:30 - 10:50	Poverty mapping in Latin America and the Caribbean Andrés Gutiérrez, Statistics Division of ECLAC
10:50 - 11:10	SAIPE: poverty mapping in USA Carolina Franco, US Census Bureau
11:10 - 11:30	Poverty mapping in Colombia Natalia Arteaga Gutiérrez, Department of Social Prosperity of Colombia
11:30 - 11:50	Poverty mapping in JAMAICA Leesha Delatie-Budair, Statistical Institute of Jamaica
11:50 - 12:10	Poverty mapping in the world Paul Corral, World Bank
12:10 - 12:30	<i>Discussion:</i> Some perspectives on poverty mapping J.N.K. Rao, Distinguished Research Professor, Carleton University

#### Further information:

- Ms. Haoyi Chen ([chen9@un.org](mailto:chen9@un.org)), Coordinator of the Inter-Secretariat Working Group on Household Surveys.
- Xavier Mancero ([xavier.mancero@cepal.org](mailto:xavier.mancero@cepal.org)), Chief of the ECLAC's Social Statistics Unit.
- Andrés Gutiérrez ([andres.gutierrez@cepal.org](mailto:andres.gutierrez@cepal.org)), ECLAC's Regional Adviser on Social Statistics.