Geospatial Information for Sustainable Development

Disaggregation of statistics using geospatial information

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GGIM9 - side event

2030 Agenda SDGs

Leave No One Behind

"Sustainable Development Goal indicators should be disaggregated, where relevant, by income, sex, age, race, ethnicity, migratory status, disability and geographic location, or other characteristics."

General Assembly resolution 68/261

Being left behind

► 80% the world's poor live in rural areas

► Half (385 million) of people living in extremely poor households were under 18

► 85% of urban population use safely managed drinking water services, compared to only 55% of rural population.

► Youth were nearly three times more likely than adults to be unemployed.

Disaggregation

Break a top level number down

… by a more detailed characteristic or attribute
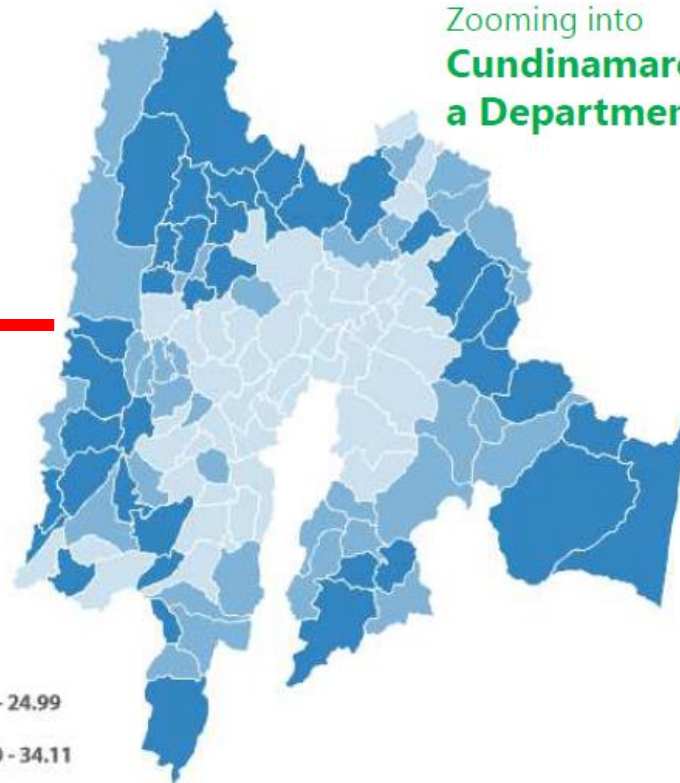
Aggregates first

Share of households per « Basic Unmet Needs » index, Colombia

Colombia

Zooming into **Cundinamarc a Department**

%

	7.11 - 24.99
	25.00 - 34.11
	34.12 - 79.20
	No data available

National Administrative Department of Statistics, 2005

Aggregates first

Census / statistical data

- Enumeration areas
- Statistical and administrative geographies

Geospatial (geo-referenced) data

- Geospatial, EO, environmental, socio-economic
- Points, grids, catchments, etc.

Enablers

- Integrated Geospatial Information Framework (IGIF)
- Global Statistical Geospatial Framework (GSGF)
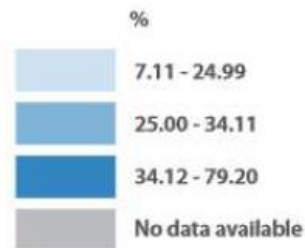
Disaggregation

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Disaggregate from…

National / Regional data

- Survey estimates / Modelled estimates

- Aggregated (confidential) data`

Statistical and Geostatistical modelling,
with geospatial inputs:

- Pop
- Census data
- Earth Obs

- Registers
- Cadastre
- Buildings

- Transport
- Marine
- Sensors

Disaggregation

Methods

- Traditional / Machine Learning / DGGS
- Suit data and need

Enablers

- Integrated Geospatial Information Framework
- Fundamental Data Themes

Partnerships

- Statistical / Geospatial Community
- Local Government
- NGOs

- Philanthropists
- Other data providers - commercial