Integrated Geospatial Information Framework (IGIF) for the Statistical Domain

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Integrated Geospatial Information Framework (IGIF)

Vision

Efficient use of geospatial information by all countries to effectively measure, monitor, and achieve sustainable social, economic, and environmental development – **leaving no one behind.**

Strategic Drivers

Underpinning Principles

Goals

Mission

Promote and support innovation and provide the leadership, coordination, and standards necessary to deliver integrated geospatial information that can be leveraged to find sustainable solutions for social, economic, and environmental development.

Strategic Pathways

1 2 3 4 5 6 7 8 9

What is the IGIF?

The IGIF is a United Nations endorsed framework currently being used to develop and enhance national spatial data infrastructures around the globe.

Includes 9 Strategic Pathways focused on three areas:

1. Governance
   - Governance and Institutions
   - Legal and Policy
   - Financial
2. Technology
   - Data
   - Innovation
   - Standards
3. People
   - Partnerships
   - Capacity and Education
   - Communication and Engagement

Provides guidance to develop Country-level Action Plans to implement the IGIF.

Challenges of Statistical Data Providers

DATA INTEGRATION
Integrating statistical data, such as demographic, economic, or social data.
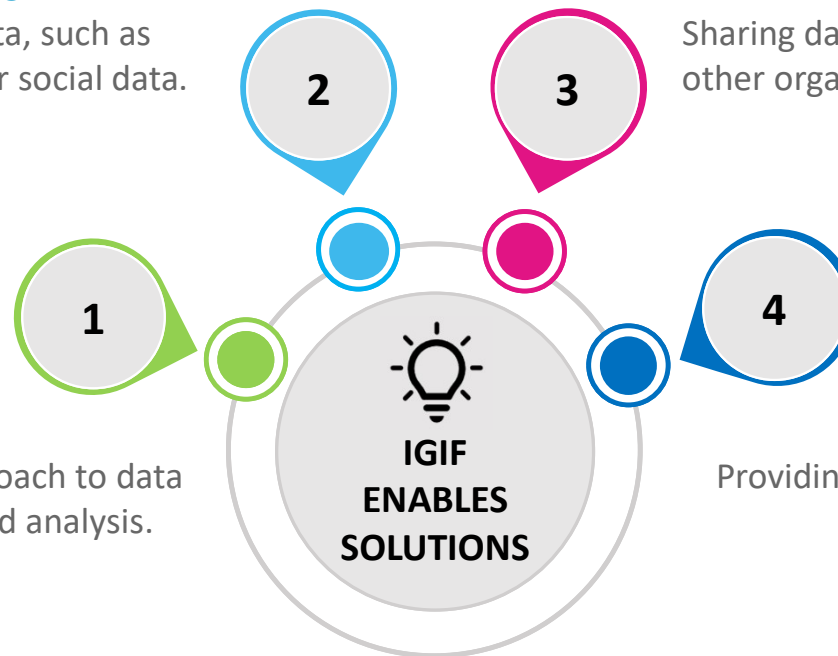
DATA SHARING
Sharing data in an impactful way with other organizations and stakeholders.

2

3

1

4

IGIF ENABLES SOLUTIONS

DATA QUALITY
Providing a standardized approach to data collection, management, and analysis.

POLICY MAKING
Providing geospatial data that informs policy decisions.

IGIF Informs Decision Makers

PROVIDE BETTER CONTEXT

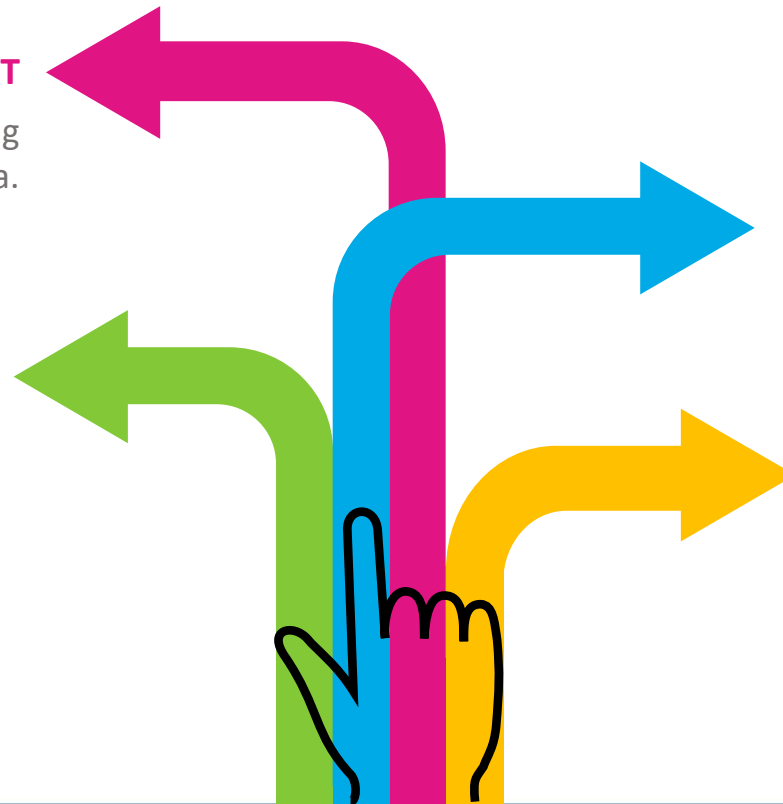Providing better context by integrating geospatial data with other types of data.

VISUALIZE DATA

Visualizing geospatial data in ways that are easy to understand.

IDENTIFY TRENDS/PATTERNS

Identifying and utilizing trends and patterns in geospatial data.
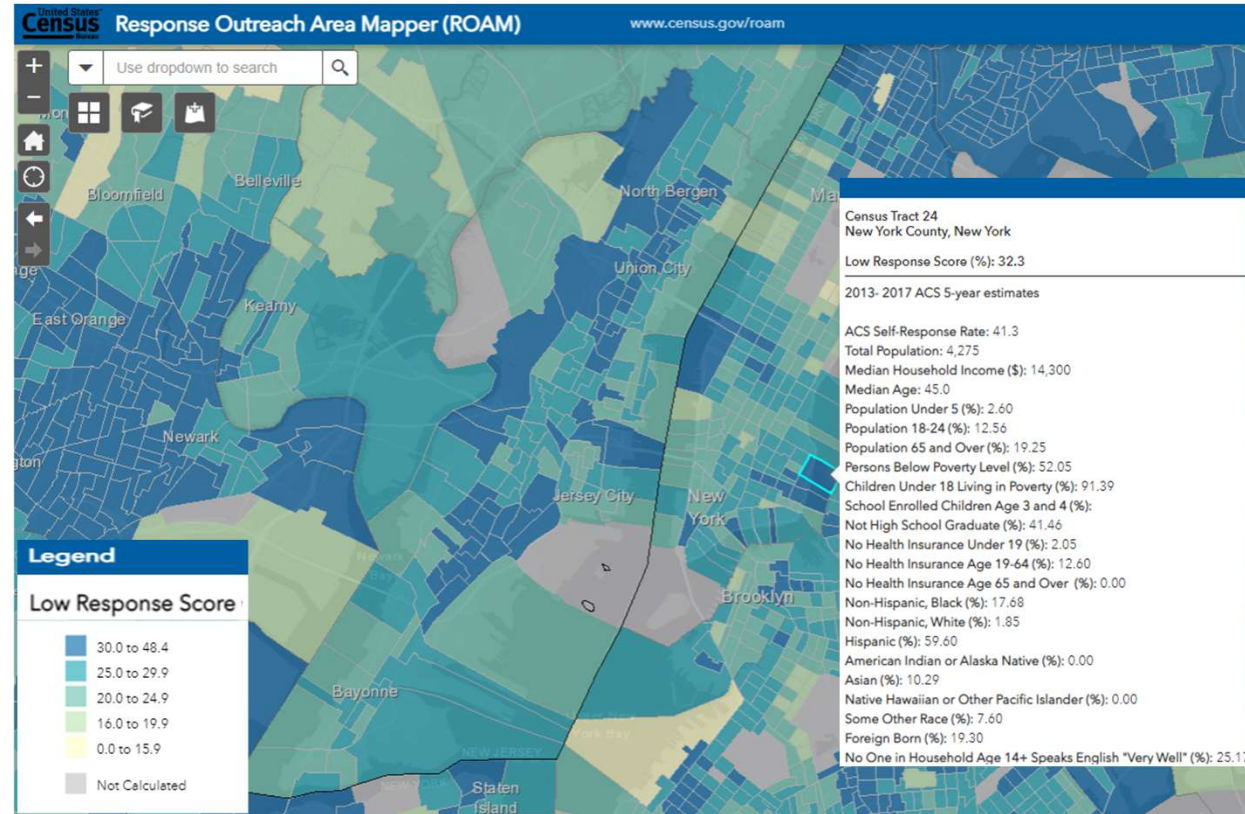
SUPPORT PLANNING

Providing geospatial data that informs alternative scenarios.

The Power of Statistical and Geospatial Integration
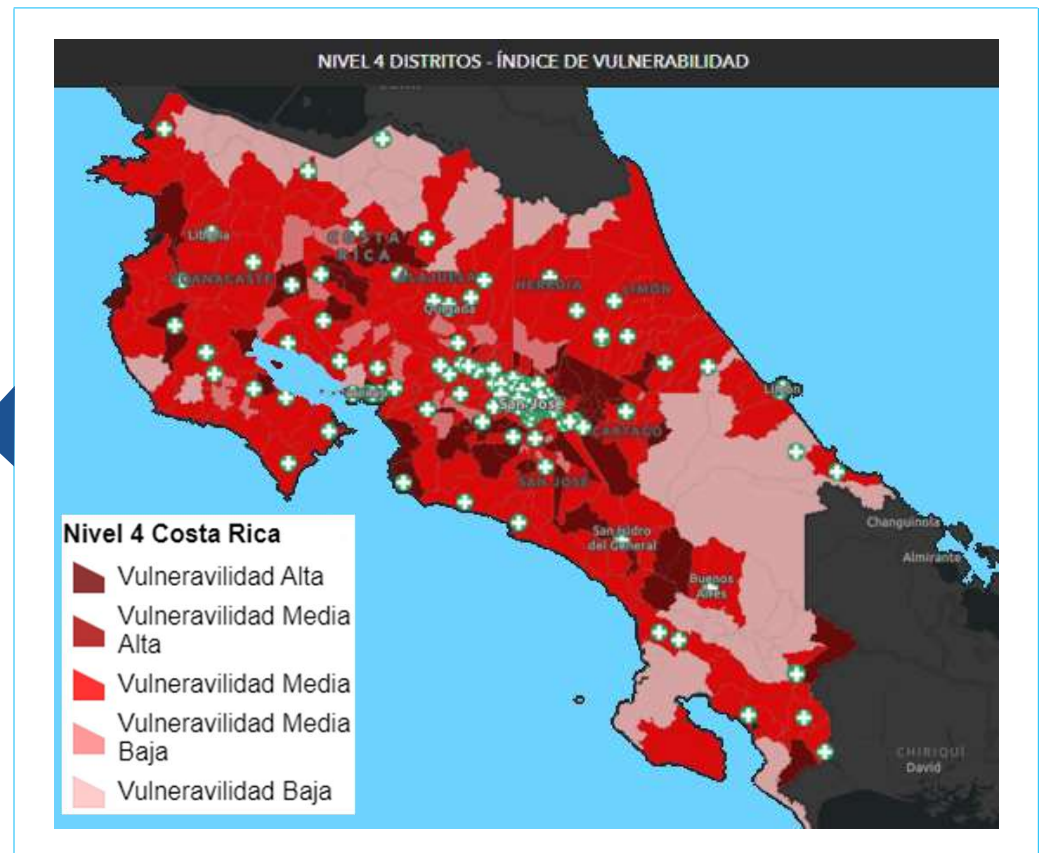
Response Outreach Area Mapper

- Utilizes statistical data and models to predict response to the 2020 Census.

- Provides easy access to valuable housing, demographic, and socioeconomic data.

- Helps governments, partners, and community organizations plan and reach out to communities.

The Power of Statistical and Geospatial Integration

COVID-19 response in Costa Rica

- Utilized statistical data and models to identify populations most vulnerable by geographic areas.

- Overlayed hospital/clinic locations.

- Created a series of powerful maps and dashboards that helped inform response to COVID-19.

NIVEL 4 DISTRITOS - ÍNDICE DE VULNERABILIDAD

Nivel 4 Costa Rica

- Vulneravilidad Alta
- Vulneravilidad Media Alta
- Vulneravilidad Media
- Vulneravilidad Media Baja
- Vulneravilidad Baja

UN·IGIF
INTEGRATED GEOSPATIAL
INFORMATION FRAMEWORK

Working Together to Bridge the Gap

THE GOAL
Integration of statistical and geospatial information to address global challenges through:

Collaboration
Coordination
Synergy

UNSD STATISTICAL COMMISSION

UN-GGIM/IGIF

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Thank You!

Questions?

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