



1ST VIRTUAL WEBINAR

Why implement the
**Integrated Geospatial
Information Framework
(IGIF)** in my country?



The Importance of the IGIF



UN-GGIM:Americas



UN-IGIF
INTEGRATED GEOSPATIAL
INFORMATION FRAMEWORK



CARIGEO
Caribbean Geospatial
Development Initiative

OUR WORLD TODAY

How are we answering questions about important global challenges?





- Digital Connectivity
- Climate and Energy Security
- Health and Health Security
- Gender Equality and Equity



TECHNOLOGY AND DATA TODAY


Combine information about people, businesses, health care, and weather with information about location



Statistical Data

- Population
- Age
- Race
- Gender
- Housing
- Owner
- Renter
- Education
- Income
- Poverty
- Employment
- Health Status

+



Geospatial Data

- Addresses
- Transportation Networks
- Legal Boundaries
- Hydrography
- Imagery
- Land Cover/Use
- Land Parcels
- Geodetic Reference Frames

=



Powerful Visuals and Tools

- Powerful visualizations
- Tools to inform decision making
- Maps
- Charts
- Graphics
- Tables
- Dashboards
- Viewers

Panamá NV3 Distrito Dashboard

Private Member
Americas GeoPortal - Core Organization

Summary

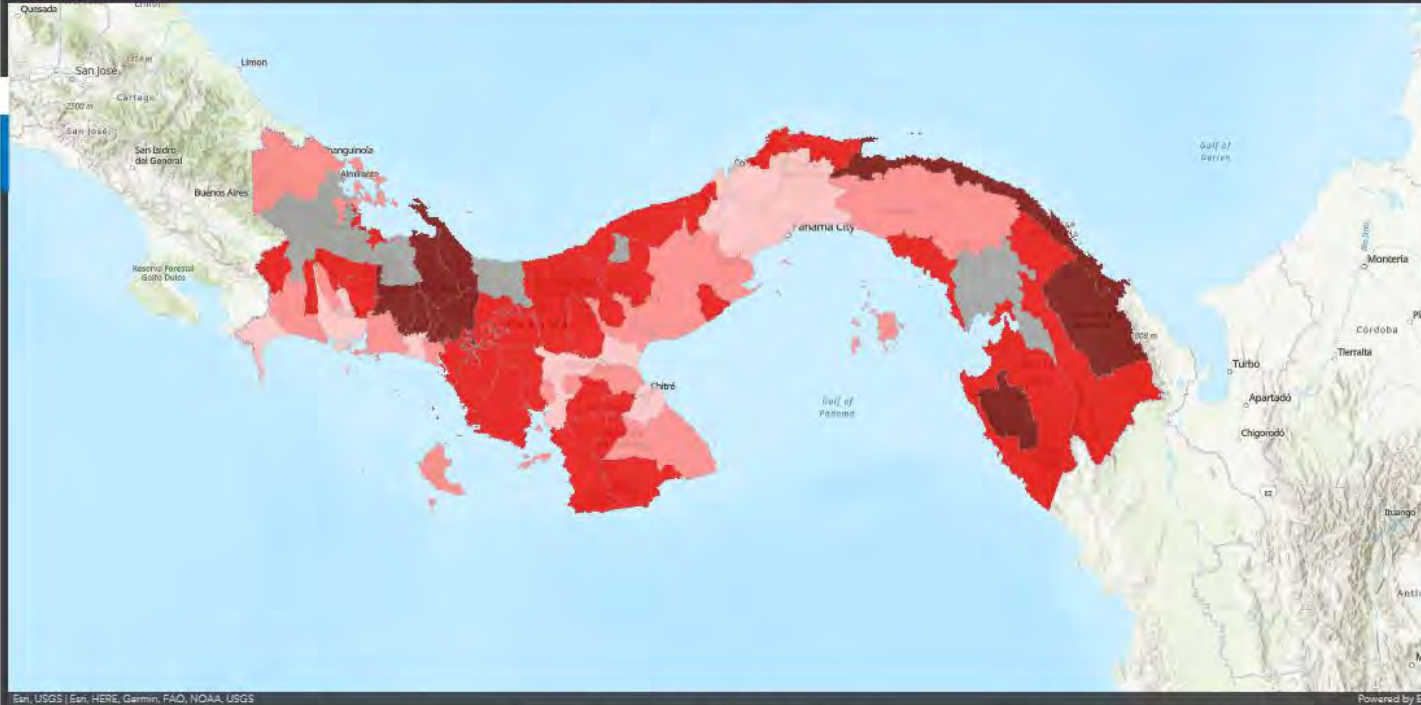
Tablero que muestra elementos relevantes en la elaboración de indicadores de vulnerabilidad para el Covid19, a nivel de distrito. Integra 3 indicadores con sus respectivas variables utilizadas en el cálculo de cada indicador, gráficos de vulnerabilidad, generalidades del país y un mapa de servicios de interés.

[View Full Details](#)

Details

- Dashboard Dashboard
- August 20, 2021 Date Updated
- May 4, 2021 Published Date
- Public Anyone can see this content
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Serie de Mapas sobre Indicadores de Vulnerabilidad Panamá, nivel Distritos



Esr, USGS | Esri, HERE, Garmin, FAO, NOAA, USGS

Powered by Esri

VULNERABILIDAD ALTA Y MEDIA ALTA
INDICADOR N°1



Indicador 1 Indicador 2 Indicador 3

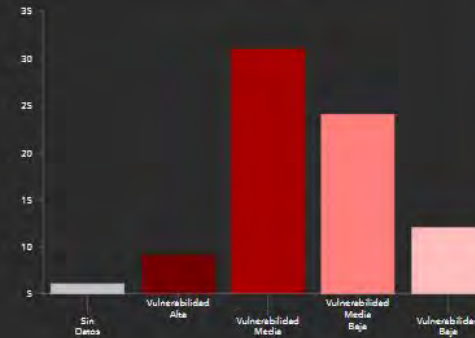
VARIABLES UTILIZADAS PARA EL CÁLCULO DEL INDICADOR N°1



- Sin Cobertura de 7.2d Acueducto
- Sin Cobertura de 1.1d Alcantarillado
- Grupo de 60 años 1.4d y + en hogares Unipersonales
- Grupo de 60 años 8.5d y + en hogares familiares
- Proporción de 2.5d Ingresos

Fuente: Censos Nacionales, 2010, Ministerio de Economía y Finanzas, 2018.

Grado de Vulnerabilidad, según Corregimientos
Indicador N°1



INFORMACIÓN GENERAL

La República de Panamá, está dividida actualmente en 81 distritos y tiene una superficie aproximada de 75416.69 km². Su población, según el censo del año 2010 es de 3 405 813 habitantes y la proyección al 2021 es de 4 337,406 cifras extraídas del cuadro de estimaciones y proyección de la población total del Instituto de Estadísticas y Censos de la Contraloría General de la República.

EL PROYECTO DE INTEGRACIÓN DE LA INFORMACIÓN ESTADÍSTICA Y GEOESPACIAL EN CENTROAMÉRICA.

Se realiza gracias al financiamiento del Instituto Panamericano de Geografía e Historia a través del programa de asistencia técnica.

Se inició a mediados del año 2019, con la recopilación de información estadística. Sin embargo, con llegada de la pandemia a mediados del 2020, y en base a las circunstancias y la necesidad de contar con herramientas para la toma de decisiones, se incluyeron en la recopilación de información variables relacionadas al COVID-19.

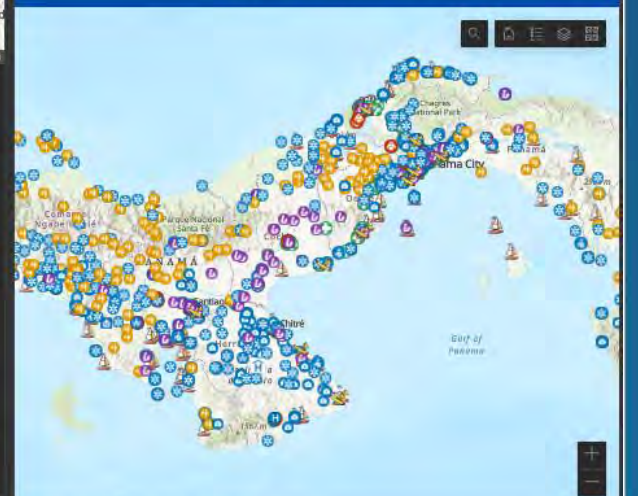
DATOS ESTADÍSTICOS, VARIABLES E INTEGRACIÓN GEOESPACIAL.

El resultado de estos mapas son producto de la integración de la información del Instituto de Estadística y Censo de la Contraloría General de la República, El Ministerio de Economía y Finanzas, El Ministerio de Salud y el Instituto Geográfico Nacional "Tommy Guardia".

Las variables calculadas están en función de su disponibilidad en las diferentes entidades. En el caso de algunas unidades políticas de corregimiento no fue posible obtener información ya que no existían al censo 2010, de igual manera esta información se puede ver representada en otros corregimientos de donde estos fueron segregados, no obstante que la base cartográfica está actualizada al año 2018.

Para el cálculo de los índices de vulnerabilidad se usaron las variables asociadas a características de la

MAPA DE SITIOS Y SERVICIOS DE INTERÉS



Esr, USGS | Esri, HERE, Garmin, FAO, NOAA, USGS

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Digital Equity Act Population Viewer

- Covered Population
- Population Lacking Fixed Broadband
- Population Lacking Computer or Broadband
- Population Not Using the Internet
- Population Not Using a Device

The Digital Equity Act of 2021 was established by the Bipartisan Infrastructure Law, also called the [Infrastructure Investment and Jobs Act \(Sections 60301-60307\)](#). The State Digital Equity Planning Grant Program is the first of three Digital Equity Act programs that will be administered by the National Telecommunications and Information Administration (NTIA). Under the legislation, NTIA will allocate awards to participating States (including the 50 states, the District of Columbia, and Puerto Rico) based on their populations, demographics, and availability and adoption of broadband. This map viewer depicts the data used in the funding allocation formula. [Learn more here.](#)

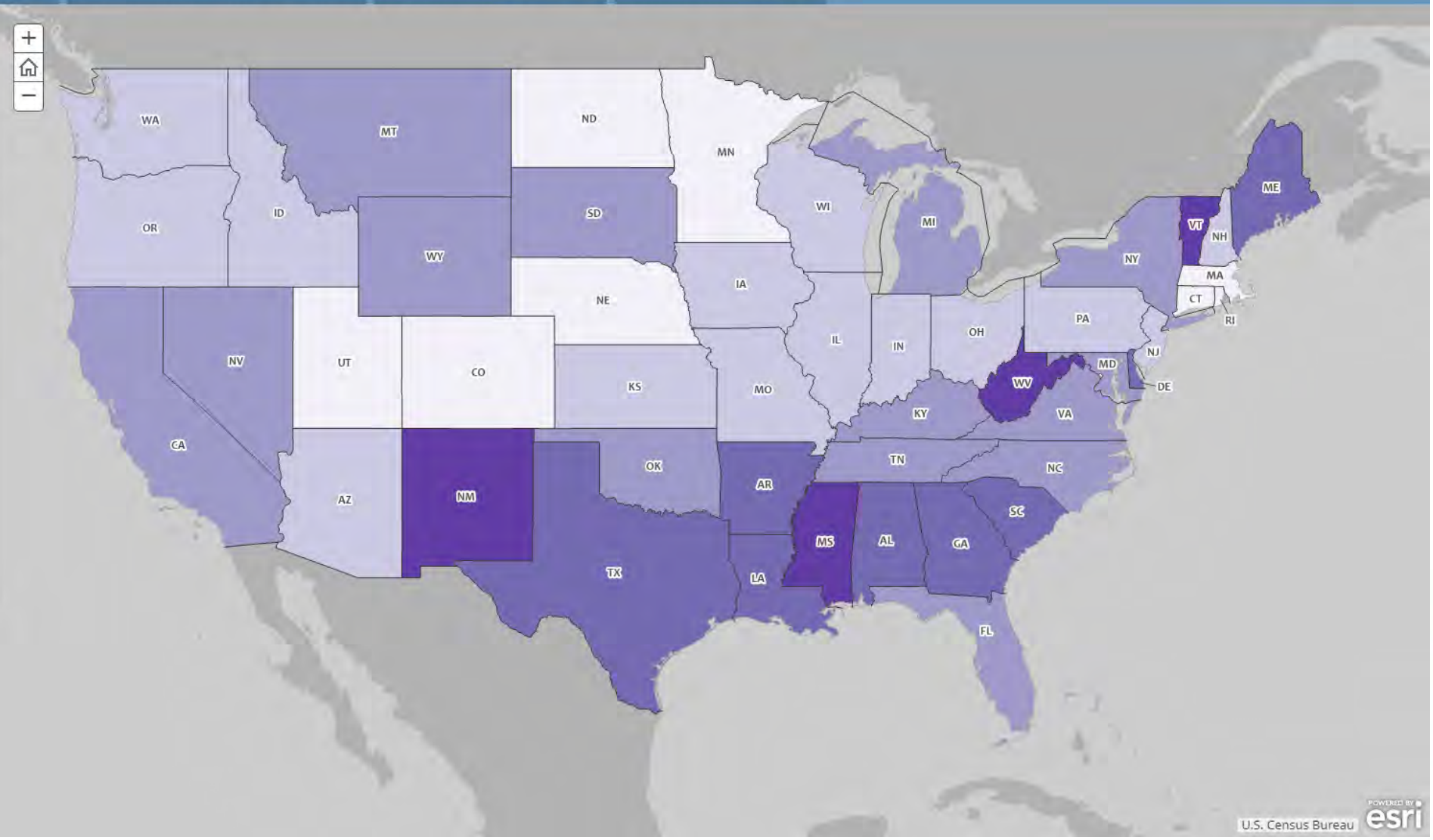
This map shows the percentage of the population that falls into at least one of the eight covered population categories by State as defined by the Digital Equity Act of 2021. Click on a State to learn more.

Legend

State (or state equivalent) boundary

Percent by state (or state equivalent)

- 90.0 or more
- 85.0 to 89.9
- 80.0 to 84.9
- 75.0 to 79.9
- Less than 75.0



Hermits Peak Fire

Time: Thu, 30 Jun 2022 16:00:05 GMT

Export

Share

Close

Detail by: Characteristics

Topic: 2015-2019 ACS Chara...

Analysis Area: [Event Area](#)

Household Type

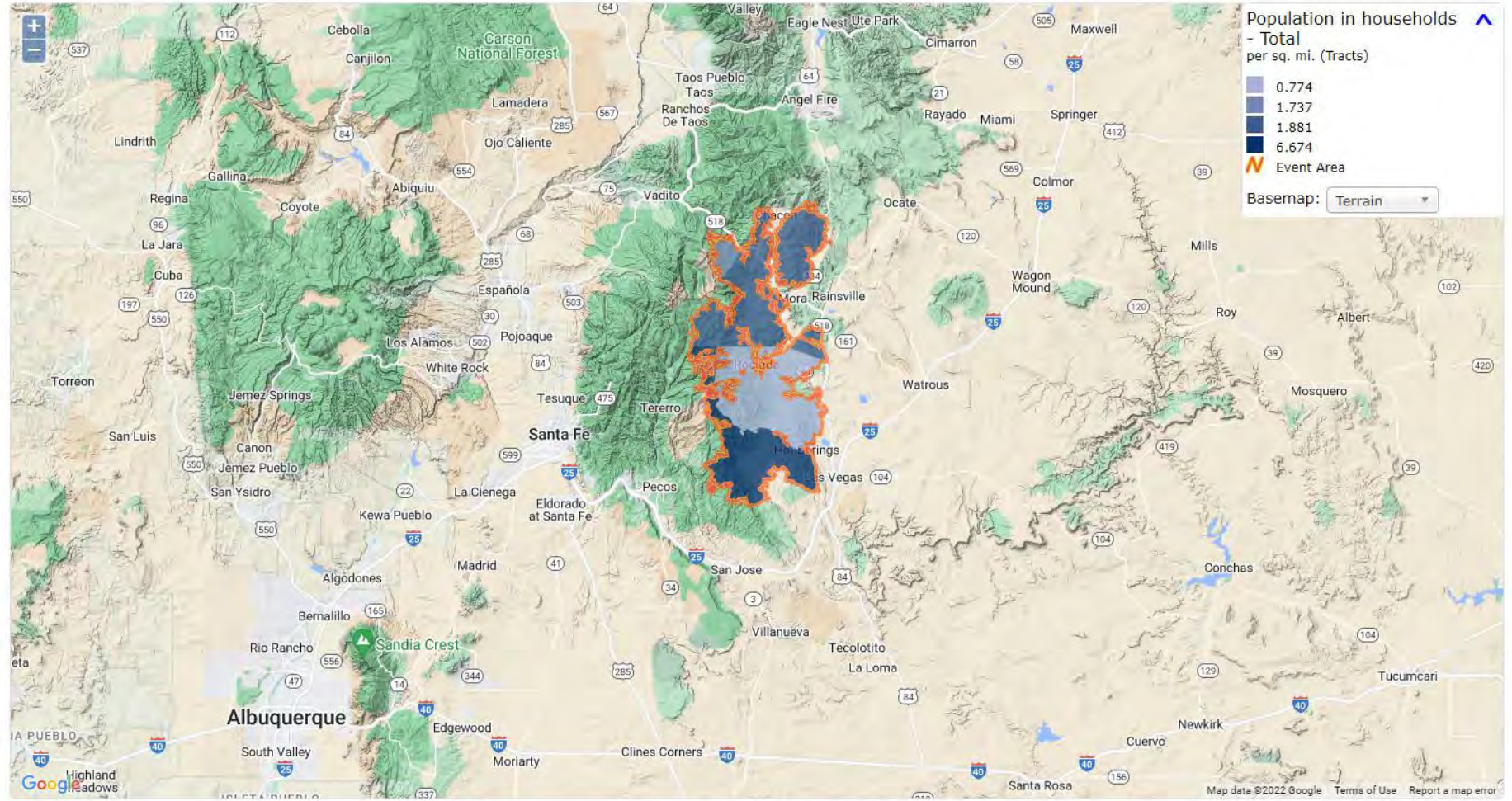
Universe: Population in households

Source: American Community Survey, 2015-2019. [Source info](#)

| Characteristic | Estimate | Margin of Error |
|-------------------------|---------------|-----------------|
| Total | 11,116 | ±1,242 |
| In family households | 8,479 | ±1,242 |
| In nonfamily households | 2,637 | ±469 |

- ▶ Race
- ▶ Hispanic or Latino Origin
- ▶ Ability to Speak English by Age
- ▶ Ability to Speak English by Language Spoken at Home
- ▶ Disability Status by Poverty Status
- ▶ Disability Status by Age
- ▶ Ratio of Income to Poverty Level in the Past 12 Months
- ▶ Poverty Status in the Past 12 Months
- ▶ Population 65 Years and Over Living Alone
- ▶ Households With One or More People 65 Years and Over
- ▶ Earnings in the Past 12 Months for Households
- ▶ Social Security Income in the Past 12 Months for Households
- ▶ Supplemental Security Income (SSI) in the Past 12 Months for Households
- ▶ Public Assistance Income in the Past 12 Months for Households

All tabulations contain derived estimates and margins of error. ² - The data in some cells in this tabulation are not published in order to protect confidentiality.



GEOSPATIAL INFORMATION

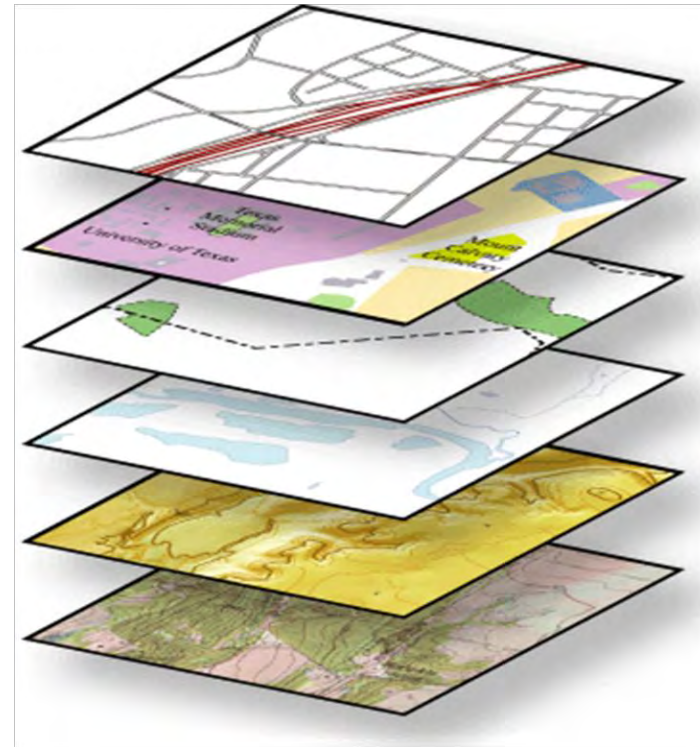
An Essential National Information Resource



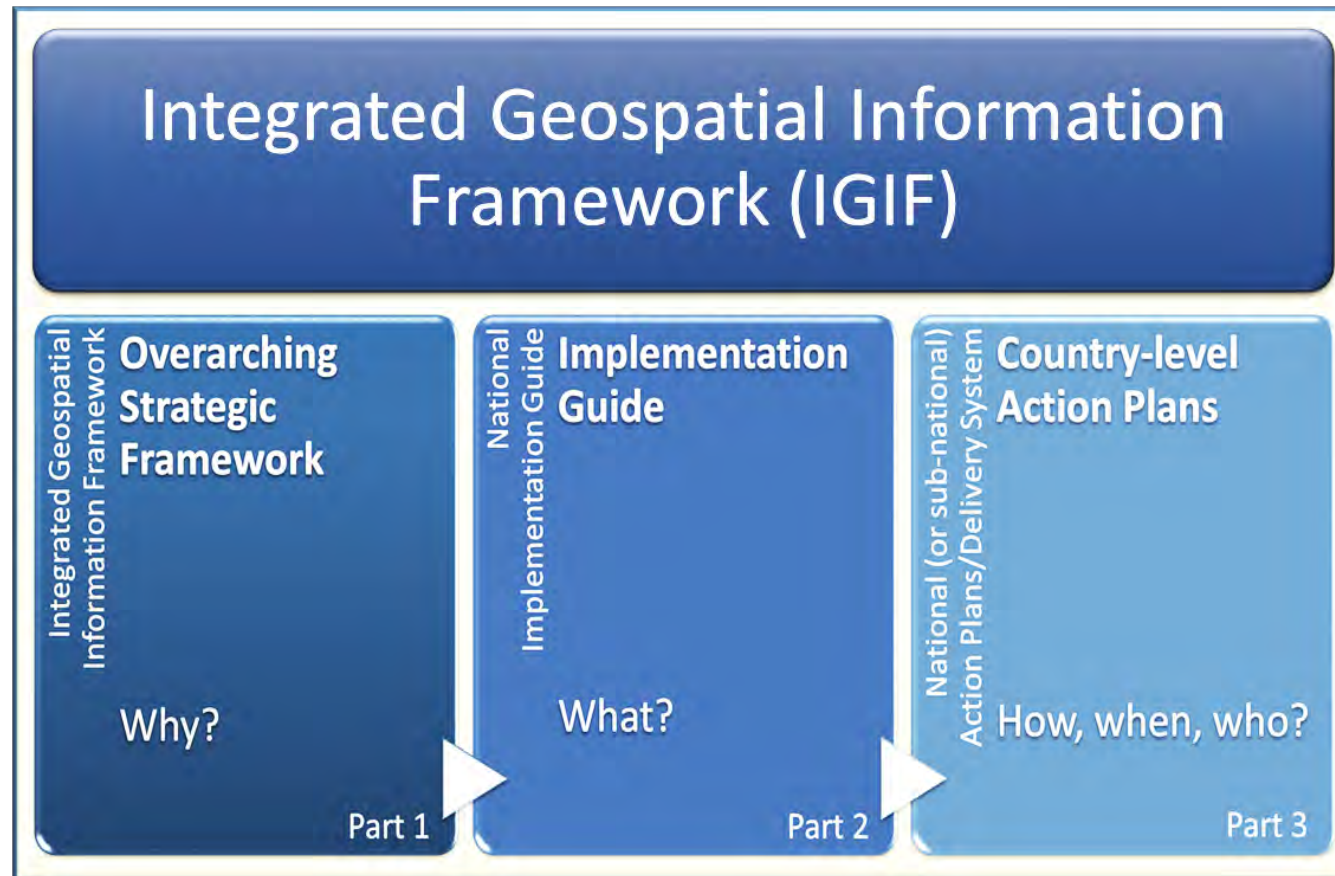
Geospatial information is a critical component of the national infrastructure and knowledge economy; a blueprint of what happens where, and the means to integrate a wide variety of government services.

Geospatial information has emerged as a major contributor to economic transformation in many countries, including e-government, e-service, and e-commerce.

Yet there is still a considerable need to strengthen awareness and understanding of the vital role of geospatial information.



THE INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK – IGIF



IGIF TEMPLATES

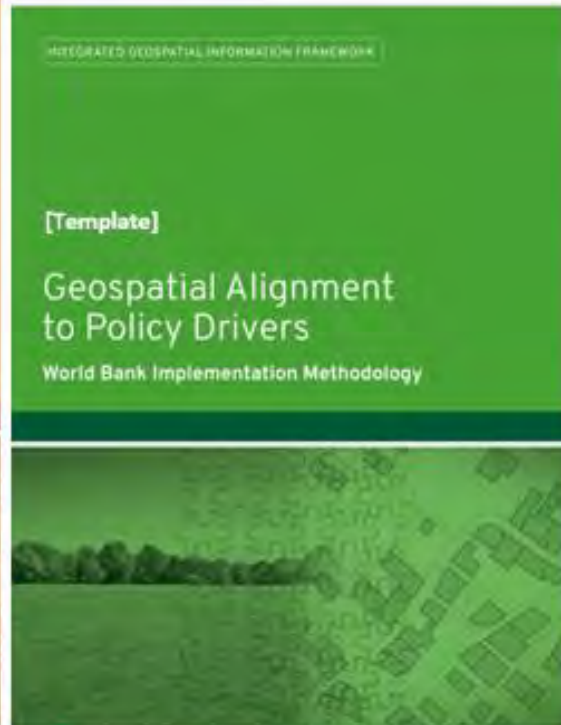
World Bank Created Tools

•Diagnostic/Baseline Assessment

Business case

-Alignment to Policy/ Business Drivers
-Socio-Economic Impact Assessment

Action/Investment Plan



The templates are available [HERE](#) 

IGIF TEMPLATES

Example Templates - Moldova



The examples are available [HERE](#) 

NINE STRATEGIC PATHWAYS OF THE IIGF

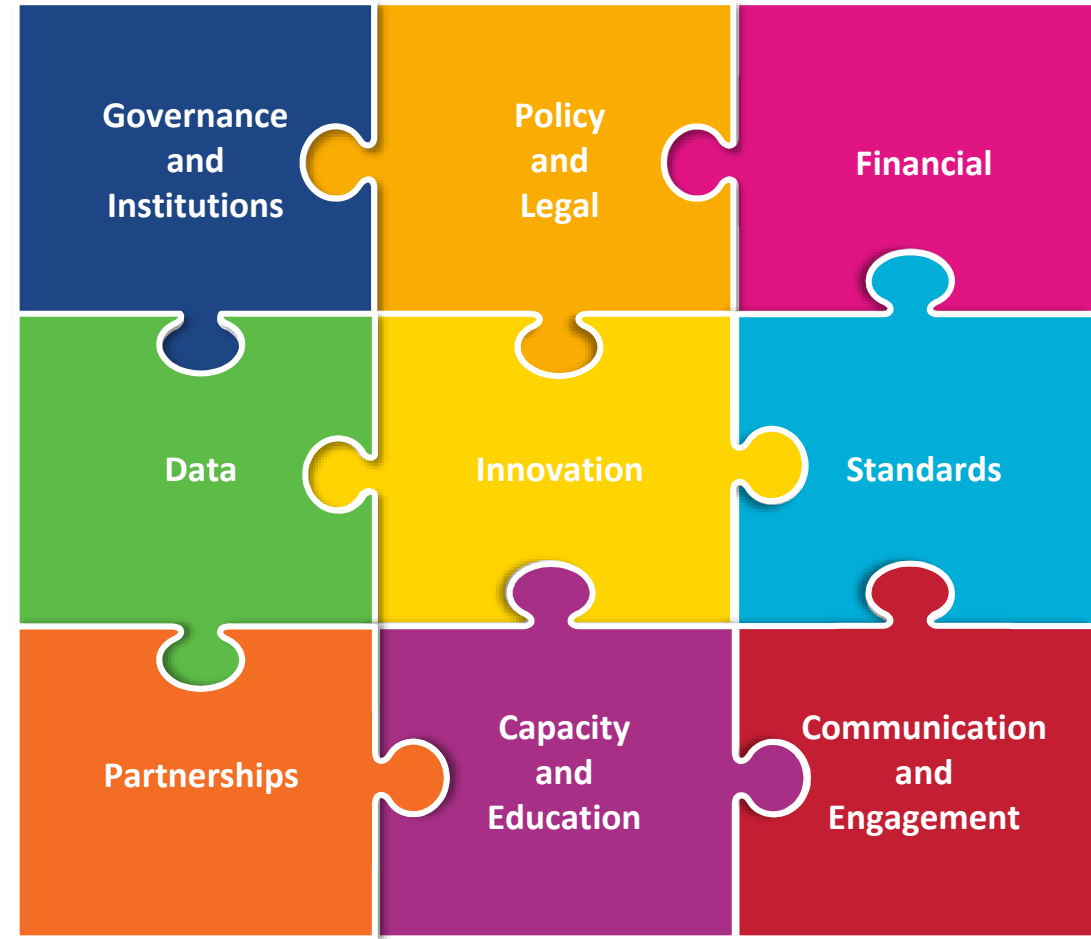
For Building a Better Future



Governance

Technology

People



CAPACITY AND EDUCATION

IGIF Self-Paced Online Learning



The course is free and a nominal fee is charged for the 'certificate' graded version.

The course can be accessed [here](#)



CAPACITY AND EDUCATION

IGIF Self-Paced Online Learning



A fifth module was recently added and is currently a standalone module.

Module Five explains the socio-economic impact assessment methodology.

The fifth module is free and can be accessed [here](#)



WORLD BANK GROUP
Open Learning Campus

Integrated
Geospatial
Information Framework

Module 5

**Benefits of Geospatial:
Socio-economic Impact
Assessment (SEIA)**

Turn on your audio and click start to begin.

Start

IMPLEMENTATION OF THE IGIF

High-level Group of the IGIF



- Formation of a United Nations Committee of Experts on Global Geospatial Information Management (UN-GGIM) High-level Group on the IGIF (HLG-IGIF) in 2021
- Comprised of 22 Member States
 - Bureau of UN-GGIM (4 members)
 - Regional membership (2-4 members from each region)
- Provides strategic leadership, promotion, coordination, and oversight to sustain the uptake and implementation of the IGIF
- Focused on three priority goals:
 - Improving Communication
 - Strengthening Capacity Development
 - Mobilizing Sustainable Funding



A CASE FOR CHANGE

IGIF Helps Overcome Traditional Challenges



CHALLENGES

LIMITED CAPABILITIES

Data management policies, practices, and integration and analytical capabilities are currently limited in many countries. This is particularly a significant challenge for developing countries.

ORGANIZATIONAL SILOS

Geospatial information has been typically collected in organizational silos - resulting in data duplication, and the use of different data standards, formats, and classifications. This has made data harmonization, maintenance and integration problematic.



OPPORTUNITY

INTEGRATED GEOSPATIAL INFORMATION FRAMEWORK

IGIF provides an inclusive and engaging mechanism to bring collaboration, coordination, and cohesion across a country (government institutions & private sector) for the purposes of developing, strengthening and integrating arrangements in national geospatial information management.

RESULTS ACHIEVED

Member State Testimonials





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Why implement the
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¡THANK YOU!



UN-GGIM:Americas



UN-IGIF
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Development Initiative