Evaluación de impacto socioeconómico (SEIA): justificación de la inversión en proyectos geoespaciales

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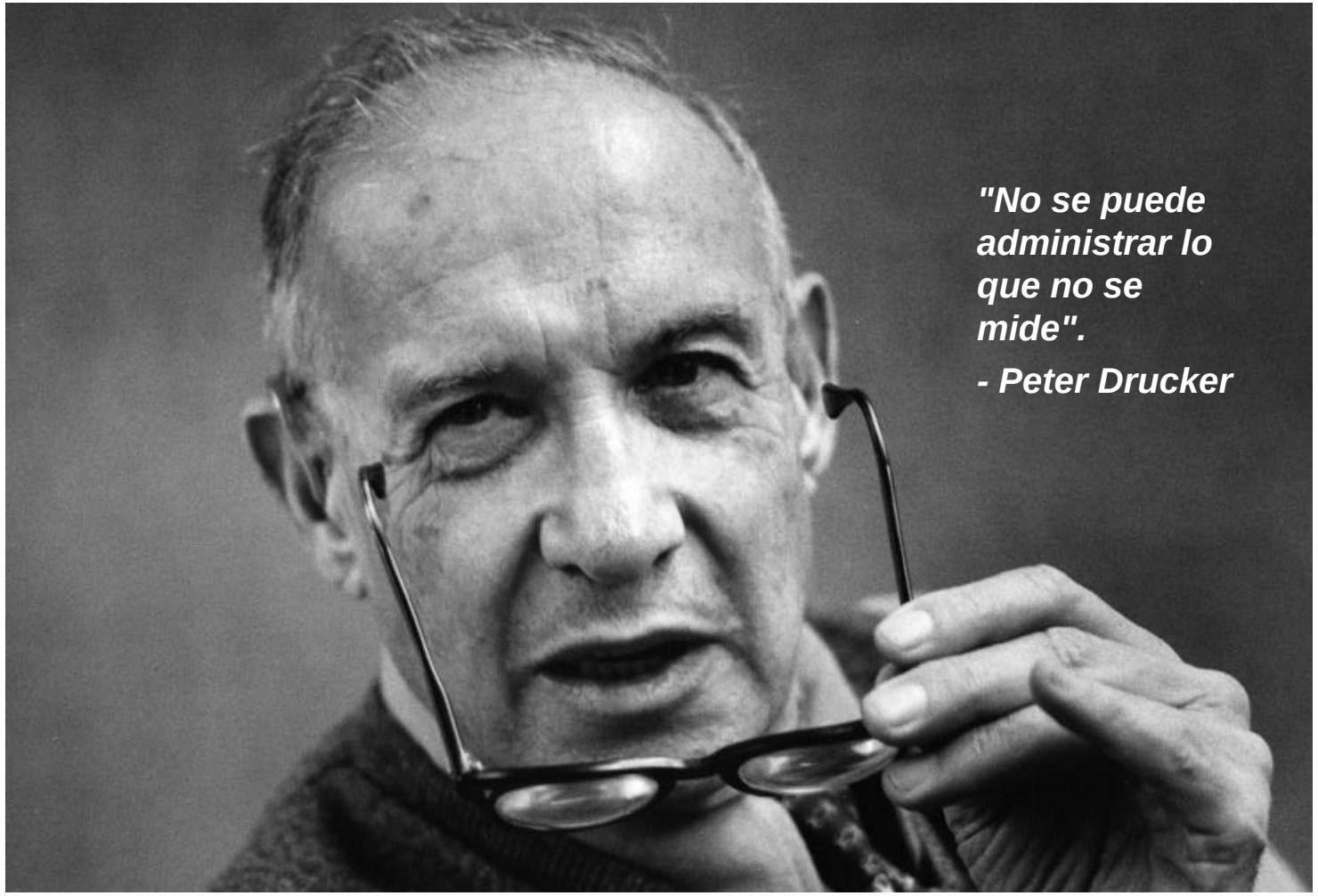
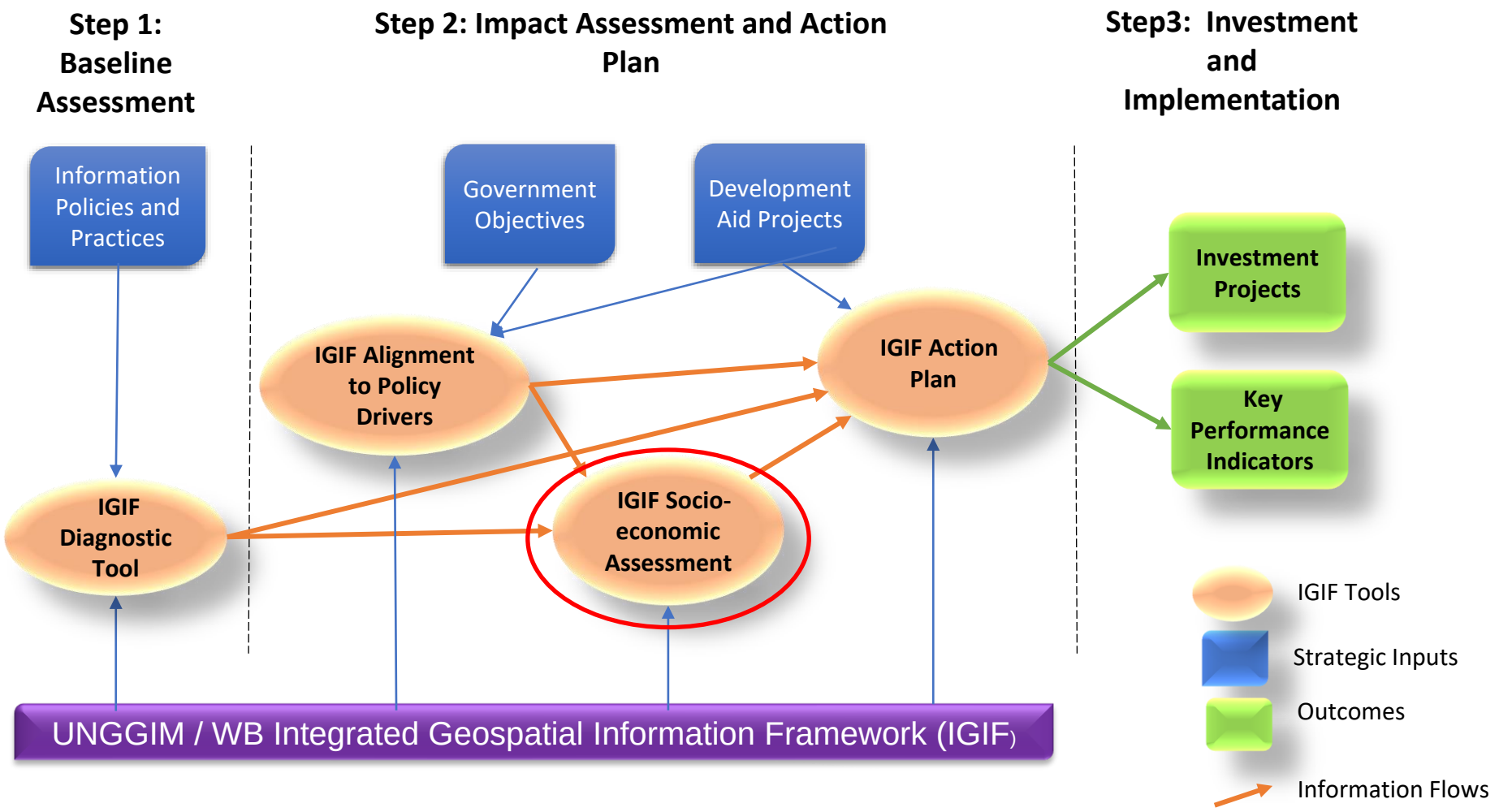
Por qué: política y toma de decisiones



Source: https://www.thefamouspeople.com/profiles/peter-drucker-132.php

Cómo: Metodología IGIF del Banco Mundial



IGIF - Enfoque de seis pasos

Step 1: Establish Scope and Priorities

Step 2: Develop Engagement Plan

Step 3: Collate Base Socio-Economic Evidence

Step 4: Analysis

- Identification of costs
- Identification of benefits
- Quantification of most significant benefits

Step 5: Construct Financial Model

Step 6: Report

Guideline available on application from World Bank team
- it is based on IGIF Finance Strategic Pathway: Appendix 3.7

GLOBAL CONSULTATION DRAFT: 19 June 2020

Strategic Pathway 3

Financial

*This **strategic pathway** establishes the business model, develops financial partnerships, and identifies the investment needs and means of financing for delivering integrated geospatial information management, as well as recognizing the benefits realization milestones that will achieve and maintain momentum.*

*The **objective** is to achieve an understanding of the financial plans required to establish and maintain an integrated geospatial information management, as well as the longer-term investment program that enables government to respond to evolving societal, environmental and economic demands for geospatial data.*

Summary

Financial governance, planning, management, and investment are required to achieve sustainable integrated geospatial information management. Investment will typically be realized when governments can see evidence that geospatial information will deliver social, environmental, and economic benefits nationally, and there is a corresponding and credible financial plan to realize these targeted benefits.

For most countries, investment in geospatial information management is framed in terms of a business case that provides justification for undertaking a program or project, includes an evaluation of the benefits, costs, and risks associated with different implementation options, and the rationale for the preferred solution. This business case answers the questions "why is this investment activity important?" and "what benefits does the country derive from its implementation?" The business case addresses the viability of the proposed investment and answers the question "what problem or challenge is solved with this investment?"

The preparation of a business case is only one aspect of financing integrated geospatial information management. Additionally, there is a need for a robust and sustainable business model built around strong realizable value propositions followed by a financial plan that describes how the business model is achieved. This business model typically is based on market development opportunities for geospatial information management, which in today's terms, is likely to focus increasingly on a range of location-based services rather than traditional data and map products.

Common to all financial arrangements are four key elements that are required to deliver integrated geospatial information management that can be strengthened, supported and sustained over the longer term.

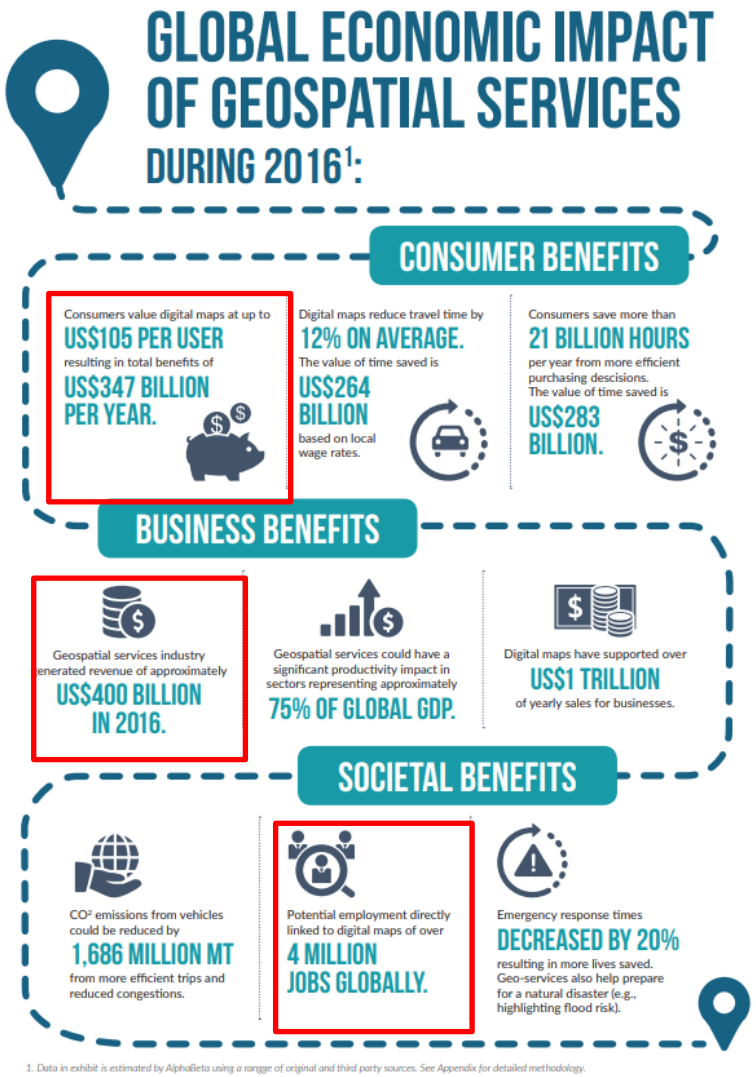
Strategic Pathway 3: Financial Page | 1

Impacto geoeconómico global

Actualmente existen muchos estudios a nivel mundial y nacional, por lo que a menudo es mejor comenzar con estos - Aplicable generalmente:

- Valor del mapeo digital para los consumidores
- Valor general de la industria de servicios geoespaciales
- Nuevos puestos de trabajo creados

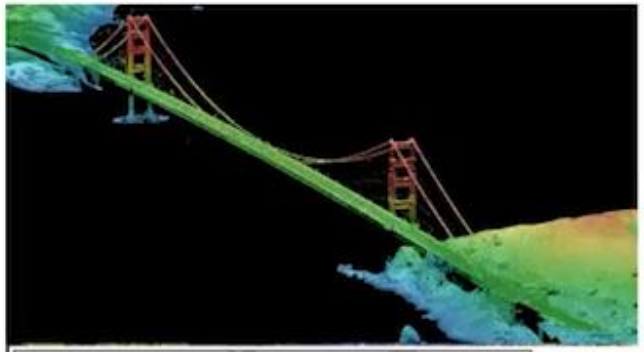
- Estos valores se pueden escalar fácilmente, según el PIB de su país, para indicar el valor potencial.



Cartografía nacional - Estados Unidos

3D Elevation Program

Collect enhanced elevation data in the form of high-quality light detection and ranging (lidar) data over the conterminous United States, Hawaii, and the U.S. territories, with data acquired over an 8-year period.

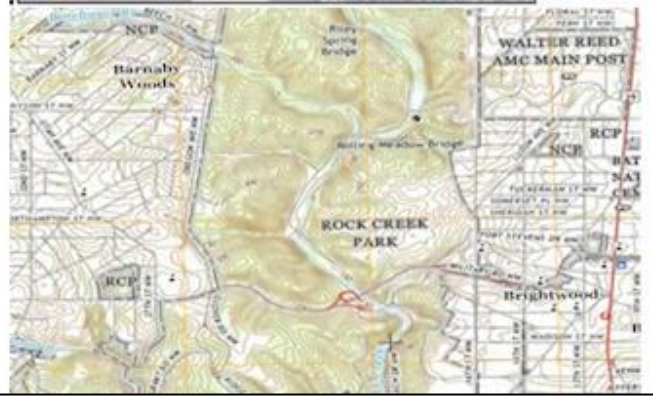


National Hydrography Datasets

NHD represents the nation's drainage networks and related features, including rivers, streams, canals, lakes, ponds, glaciers, coastlines, dams, and streamgages

The National Map

TNM is a collaborative effort among the USGS and other Federal, State, and local partners to improve and deliver topographic information for the Nation



3D Nation Elevation Requirements and Benefits Study

Hydrography Requirements and Benefits Study

Industry Use Study

Base de datos EVRI

Inventario de referencia de valoración ambiental

- Un proyecto de investigación colaborativa
- Organizado y comisariado por el gobierno canadiense
- Contiene detalles de alrededor de 3000 estudios realizados para evaluar los beneficios de los proyectos ambientales.
- La mayoría ha calculado el valor en términos financieros.
- Muchos tienen componentes geoespaciales

Source: EVRI: https://www.evri.ca/

Nuevos proyectos IGIF

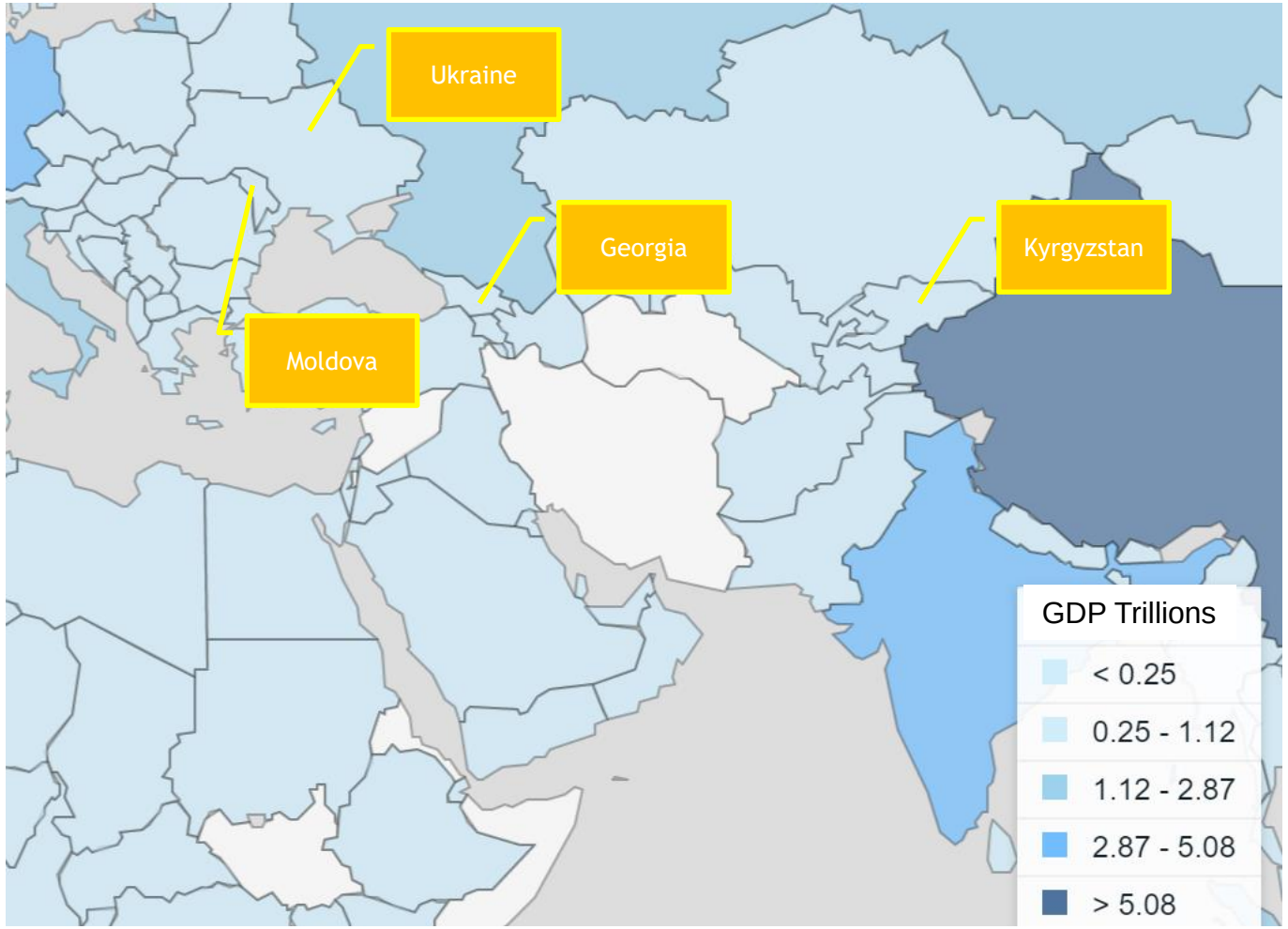
Kartverket

Norwegian Mapping Agency

Patrocinio de cuatro proyectos nacionales en Europa del Este y Asia Central

Uso de la metodología del Banco Mundial con especial atención a la evaluación del impacto socioeconómico

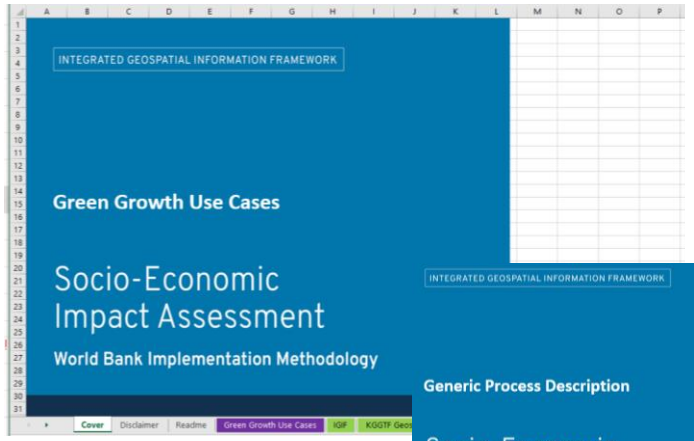
Fecha de finalización prevista para finales de 2021



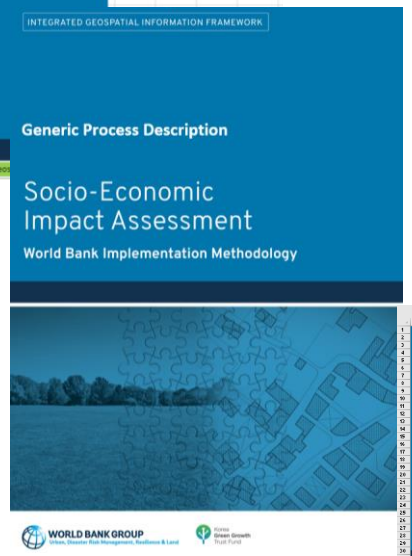
Source: World Bank https://data.worldbank.org/indicator/NY.GDP.MKTP.CD?view=map

Recursos adicionales

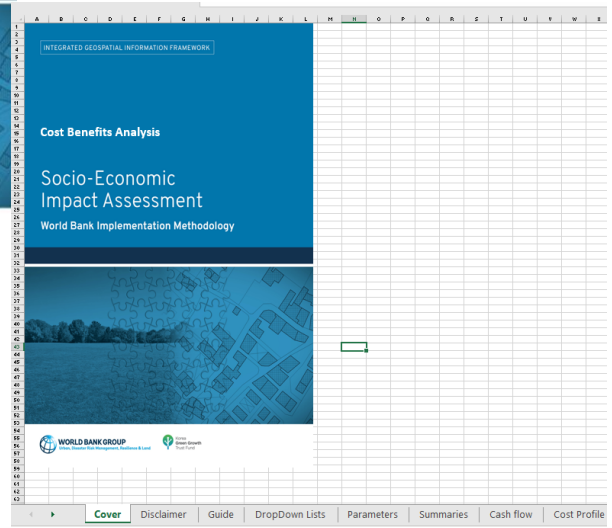
1. Ejemplo de inventario de casos de uso: crecimiento verde (Excel)



2. Descripción del proceso genérico para la evaluación del impacto socioeconómico (Word)



3. Plantilla de análisis de costes y beneficios (Excel)



Available from WB Online Training Campus
https://olc.worldbank.org/content/strengthening-geospatial-information-management-using-the-integrated-geospatial-information

Conclusiones clave

Ahora se dispone de un enfoque repetible y basado en estándares para evaluar los impactos socioeconómicos de la geoespacial.

Los mejores casos de negocio combinan beneficios cualitativos y cuantitativos (financieros).

Existe un creciente cuerpo de evidencia de beneficios cuantificados comprobados para diferentes casos de uso en muchos sectores económicos.

La metodología del Banco Mundial se centra en proporcionar resultados adecuados para su presentación para financiación local e internacional.

ConsultingWhere

Maximising the value of location information

Información del contacto

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