

Integration of Statistics & Geospatial Data: From local implementation to global geostatistical framework

**Mapping for a Sustainable
World:**

**How to Guide Geospatial Data
Integration in Official Statistics**

- **Analyze the book Mapping for a Sustainable World.**
- **Introduce the GSGF and storyline of this kind of supports to NSOs and identify steps for implementing comprehensive geostatistical frameworks.**

The logo for GeoCensos features the word "GeoCensos" in a bold, black, sans-serif font. The letter "O" is replaced by a small, stylized globe showing the Earth. Below the main text, the word "GEOCENSUS" is repeated in a smaller, lighter, all-caps font, with a slight shadow effect.

Amsterdam, October 21st, 2021

SWOT analysis

	Opportunities	Threats
Strenghts		
Weaknesses		

What is the objective of this guide and its goals?

The objective of this thematic guide is to implement in a sequential manner the GSGF in NSS and to facilitate its integration into the National Strategy for the Development of Statistics (NSDS).

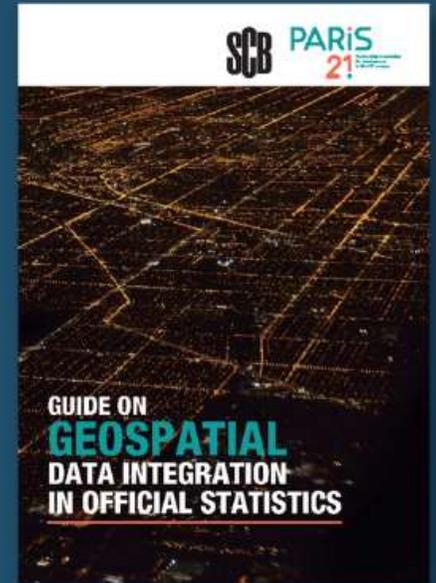
The guide explains and illustrates:

- 1. Principles,**
- 2. Processes, procedures and requirements,**
- 3. In each step of the guide, activities and good practices for a better integration of statistical and geospatial data in official statistics are explained.**

Its goal is to inform and provide guidance to strategic decision makers at NSOs and National Geospatial Mapping Agencies (NGMAs) and other strategic levels of statistical governance, to the point that it is understandable to non-technicians in the field.

Traditional statistical systems together with geospatial data can provide the clearest picture of development challenges and pinpoint the phenomena behind them. But how do they get started?

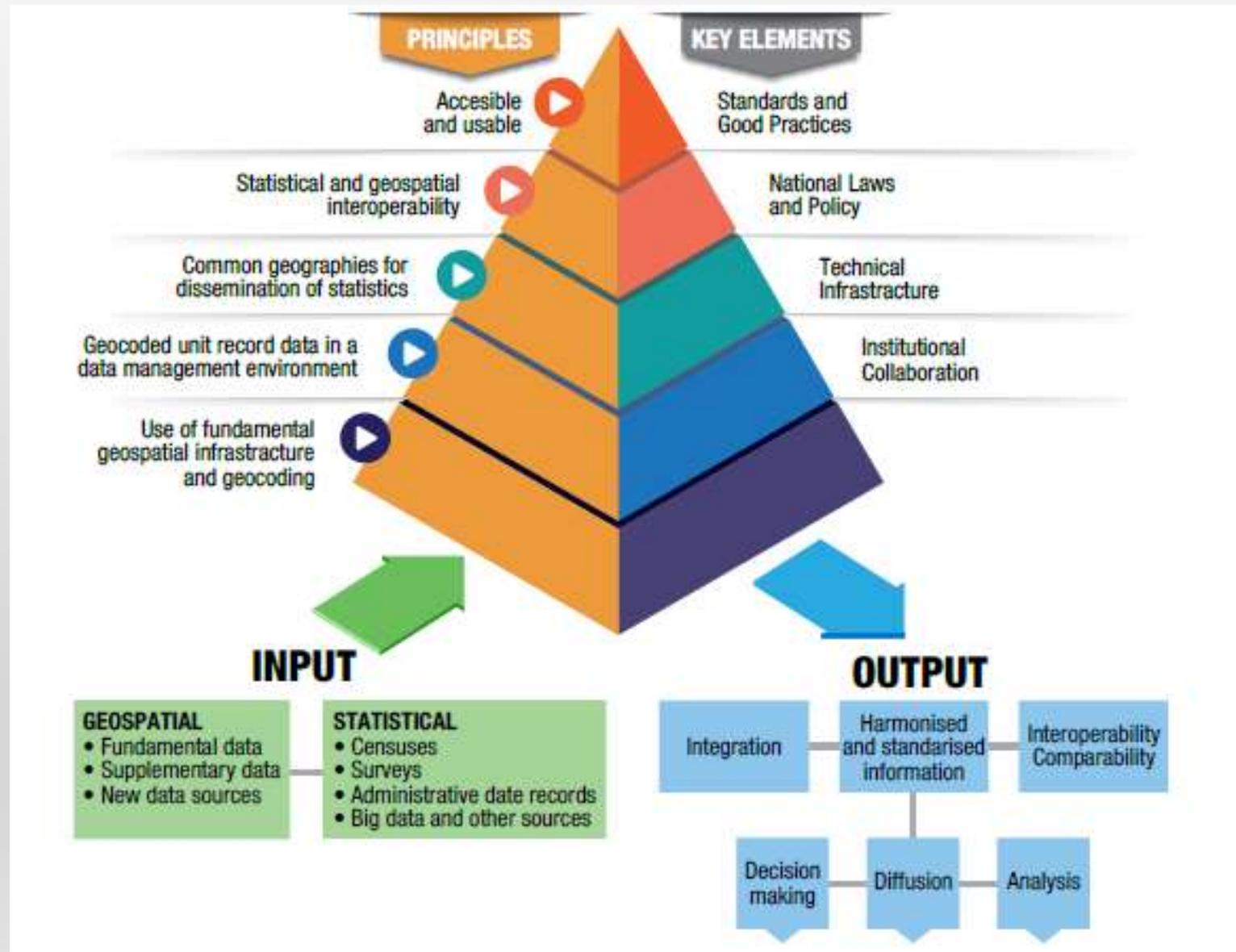
- STEP 1:** Get the right people together and put them on the map
- STEP 2:** Assess and secure the necessary human resources
- STEP 3:** Assess and secure technical infrastructure
- STEP 4:** Address geocoded infrastructures, safeguarding access to all scales
- STEP 5:** Set up a basic framework of geographies for analysis and dissemination
- STEP 6:** Design a data management environment fit for multipurpose use
- STEP 7:** Define goals for dissemination and procure the necessary tools for it
- STEP 8:** Use good practices and standards to obtain interoperability



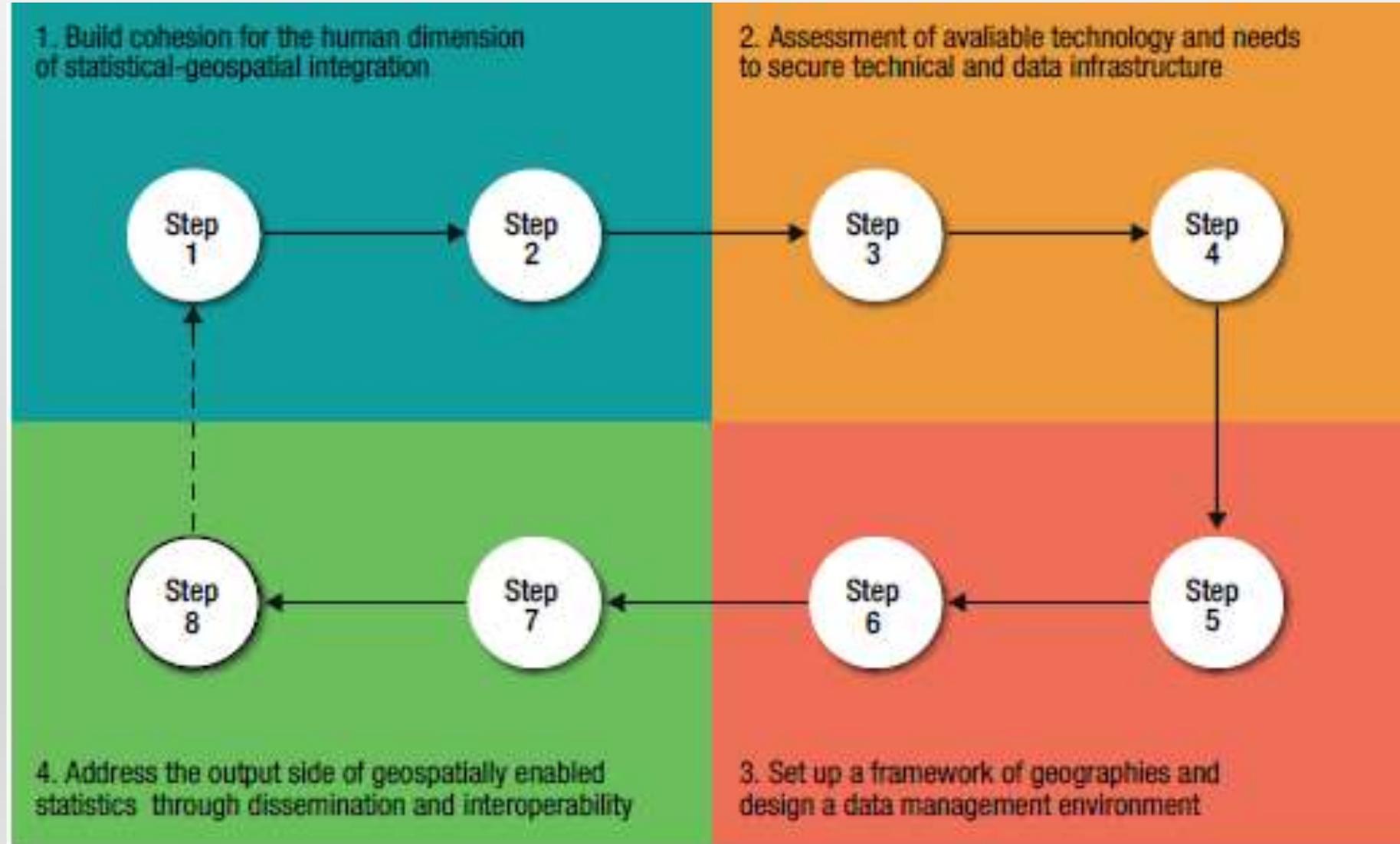
 @ContactPARIS21 | @StatsSweden

paris21.org/geospatial

The Global Statistical Geospatial Framework GSGF

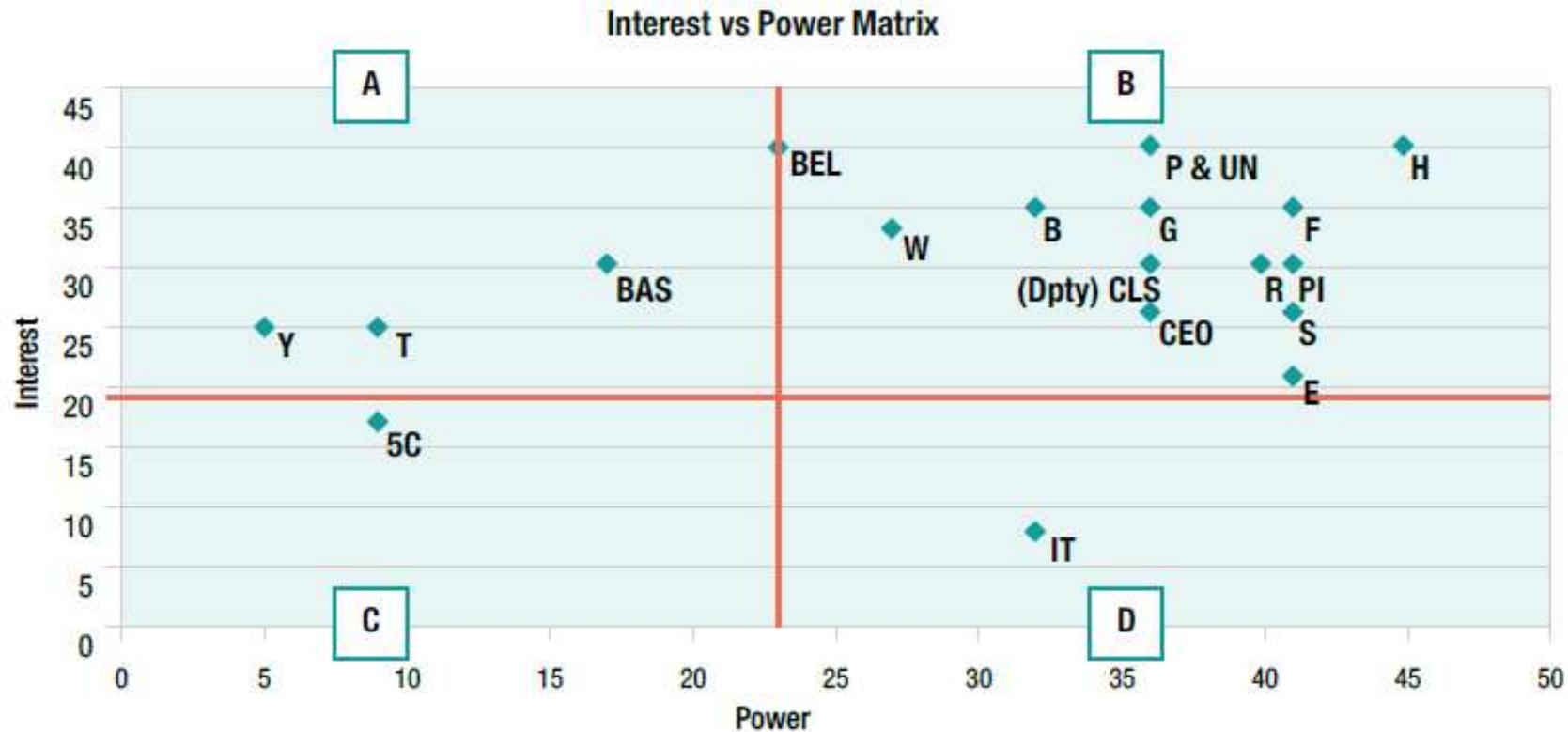


The implementation cycle



Case Study

Tool: Mapping a power / interest matrix in HN.



Source: Carranza Tresoldi (2009_{1,2}), *Metodología de Taller de Presentación y Difusión de Infraestructuras de Datos Espaciales para Honduras* [Methodology of a Workshop for Dissemination of Spatial Data Infrastructures for Honduras], https://www.academia.edu/218876/Metodolog%C3%ADa_de_Taller_de_Presentaci%C3%B3n_y_Difusi%C3%B3n_de_Infraestructuras_de_Datos_Espaciales_para_Honduras

Exploring lessons and moving forward

These kind of supporting documents are formulated to "translate" and advise those responsible at the strategic level on how to implement general geostatistical frameworks and mapping strategies. Its usefulness can be increased and enhanced if:

- 1. The views of all relevant stakeholders are integrated, not only from Professional Bodies, International Organizations but also academia and civil society.**
- 2. Documents like these should not leave behind the capacity building needs at LMICs in all regions.**
- 3. We need to compile and "fish" constantly new case studies from all walks of the geostatistical life.**

We need the entire data and statistical ecosystem to get involved in consultations to improve together these kind of inputs.

**We can map out
together a better
world.**

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Thanks!



October 2021, Javier Carranza @geocensos 