

BIG DATA AND SDG'S INDICATORS AS EXAMPLES OF INEGI'S EXPERIENCES WITH PARTNERSHIPS GEARED TOWARDS THE GENERATION OF STATISTICAL AND GEOGRAPHICAL INFORMATION

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Introduction

- Throughout its life, the National Institute of Statistics and Geography, (INEGI), as is the case of most National Statistical Offices, has frequently established numerous partnerships and associations as part of its regular activities.
- At the INEGI we consider that all of these partnerships have had a strategic nature, and they had responded to different purposes, and without a doubt, they have been relevant in achieving our production and dissemination goals, but more importantly these partnerships have been the foundation in consolidating INEGI's role as the coordinator of the National Statistical and Geographical Information System.
- Two examples:
 - a) *Big Data*
 - b) *SDGs.*



Partnerships for generating statistical products based on big data

- Big data as the fourth pillar.
- Alternative sources. Social networks, mobile phone companies, internet queries, banks, etc.



1. “El Estado de Ánimo de los Tuiteros” .

- *Partners: University of Pennsylvania, Universidad Tecmilenio, “Centro Geo” and “Infotec”.*
- *Experimental statistics*
<http://www.beta.inegi.org.mx/app/animotuitero/#/app/multiline>

2. Statistics of tourism using Twitter.

- *Partner: Ministry of Tourism.*
- *Paper. <https://www.gob.mx/publicaciones/articulos/uso-productivo-de-big-data-y-redes-sociales-en-el-sector-turismo-2014?idiom=es>*



3. Mental health.

- *Partners. National Institute of Psychiatry, Data 2X, Georgia Tech, Positivamente.*
- *Work in process.*

4. Mobile phone carriers and mobility.

- *¿Partners?*

5. Earthquakes September 2017.

- *Partners. Global Pulse, BBVA–Bancomer and Telefónica.*
- *Work in process.*



Partnerships for the SDGs Indicators

- Mexico has adopted SDGs as a commitment of the Mexican State.
- The federal government created the National Commission for the 2030 Agenda as the high level political forum for the definition of public policies and national goals.
- This Commission includes the President's cabinet, state governors, representatives of the private sector, the academy and the organized civil society. In this Commission, INEGI is a permanent invitee, transmitting the agreements reached in the Specialized Technical Committee for the SDGs indicators.



Legal framework

- Law of the Statistical and Geographic Information System (LSNIEG).
 - *National System of Statistical and Geographical Information.*
 - *Specialized Technical Committees.*
 - *Specialized Technical Committee for the SDGs indicators.*



The Specialized Technical Committee

- The Specialized Technical Committee on the SDGs (STC SDG) was established by INEGI's Governing Board in November 2015, and named the Office of the President of Mexico as its Chair, with INEGI as the technical secretariat.
- The STC SDG has currently 20 members from different ministries of the federal government, and 2 observers (one is UNDP).



Results:

- a) The assessment of the country's capacity to produce the statistics and indicators for the SDGs;
- b) Agreement on the custodian agencies for each indicator;
- c) Subject matter meetings were held with the custodian agencies' technical experts for each indicator, analyzing available sources, potential sources, and the need for information to be shared among different agencies.
- d) The official national reporting platform for the SDGs, launched in April 2017; which will be transferred to INEGI for its further development, maintenance and improvement, under the open source standards, open data and inclusion of geospatial information.



Pros and cons

- The main difficulties have arisen from some of our partners include:
 - *lack of technical capacity;*
 - *lack of will;*
 - *some institutions have their own agenda, hence the lack interest when they are not reflected in the general objective of the partnership;*
 - *the frequent rotation of the officers in a few ministries, and the lack of documentation on the work carried out.*
- Factors favoring alliances.
 - *INEGI's professional independence and legal autonomy.*
 - *High level of trust and the recognition that the Institute has among different sectors and actors.*



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