



Ministerial Segment

Geospatial activity in Mexico: milestones and new paradigms

5th High Level Forum on United Nations Global Geospatial Information Management
Implementing the SDGs: The Role of Geospatial Technology and Innovation

Julio A. Santaella
President of INEGI
November 28, 2017



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New technologies are leading to an exponential increase in the volume and types of data available

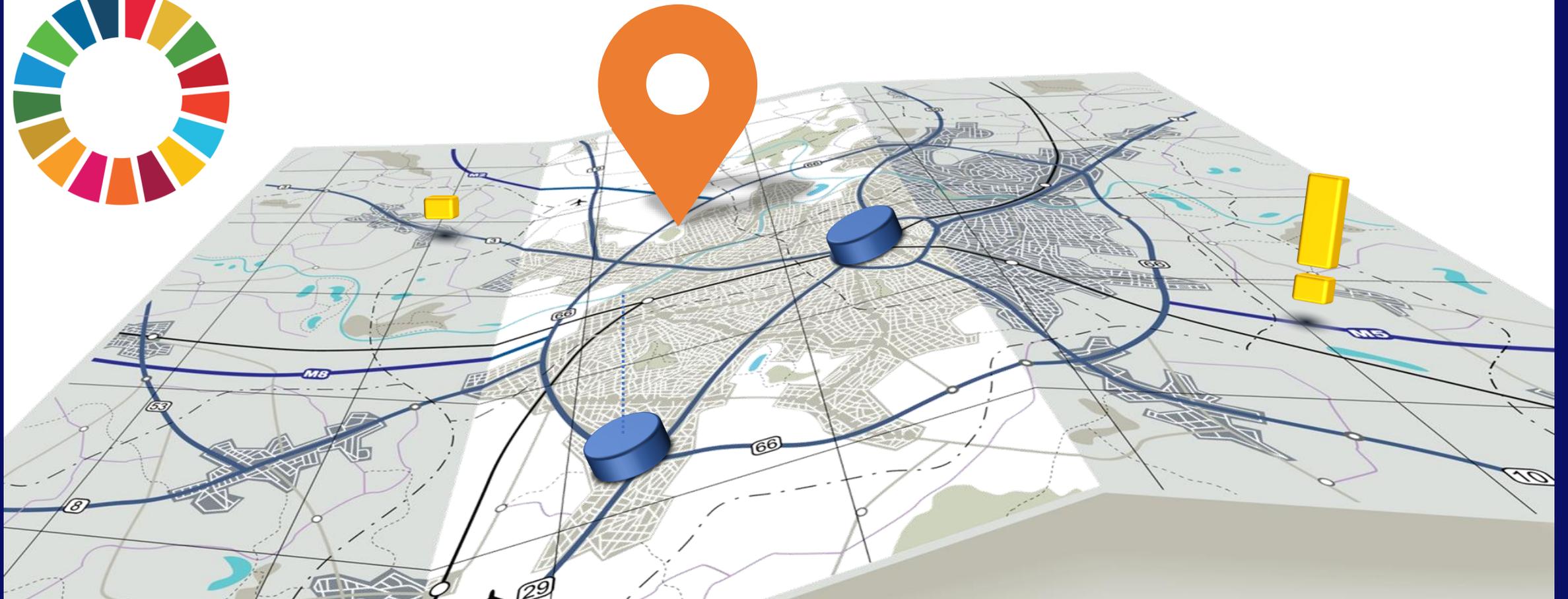


Society demands MORE information: NSOs and NGIs must be up to the new challenges

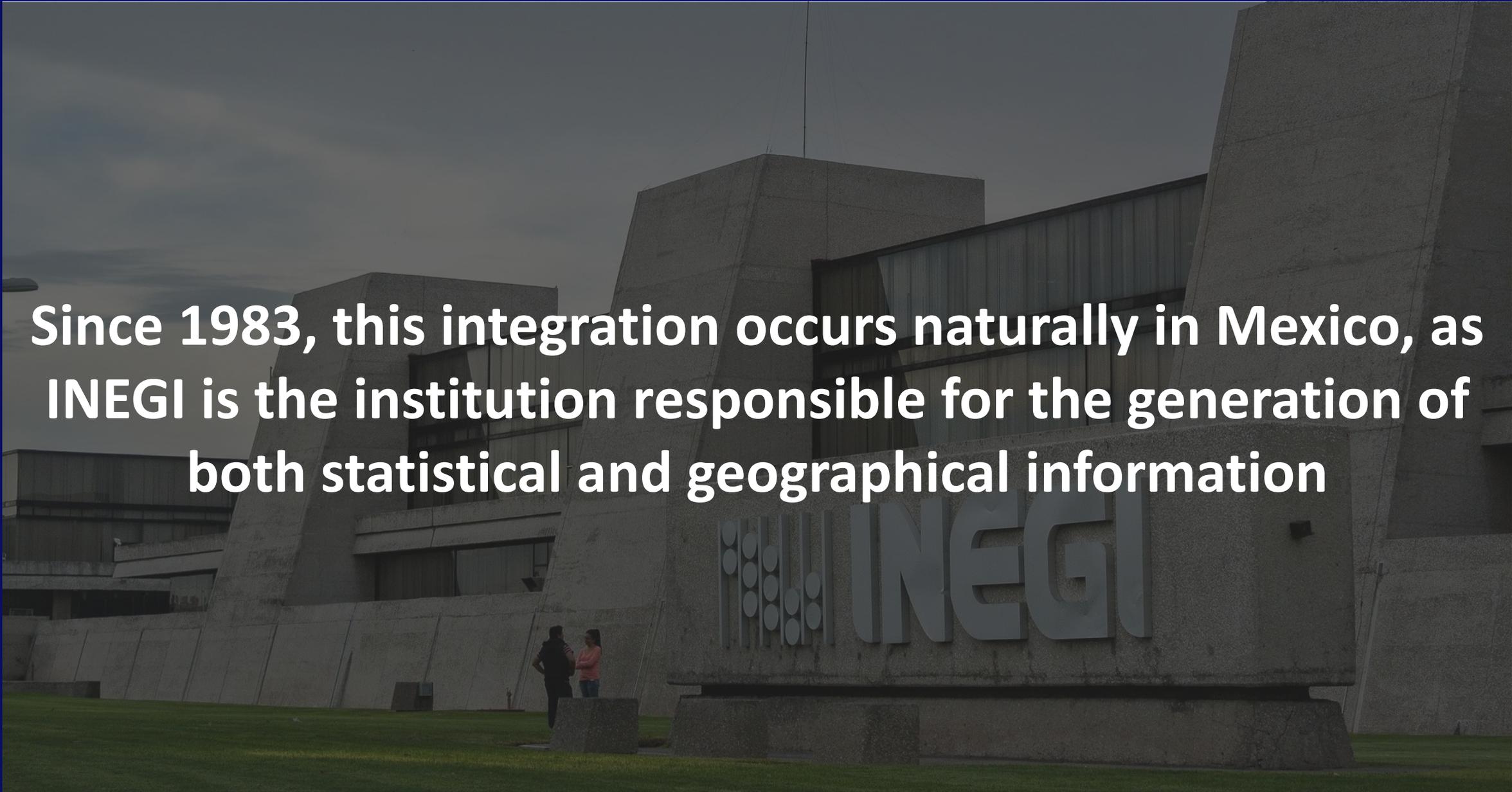


In this new data ecosystem, the integration of geospatial information with statistics is no longer just desirable, but indispensable

How is this integration done in Mexico?



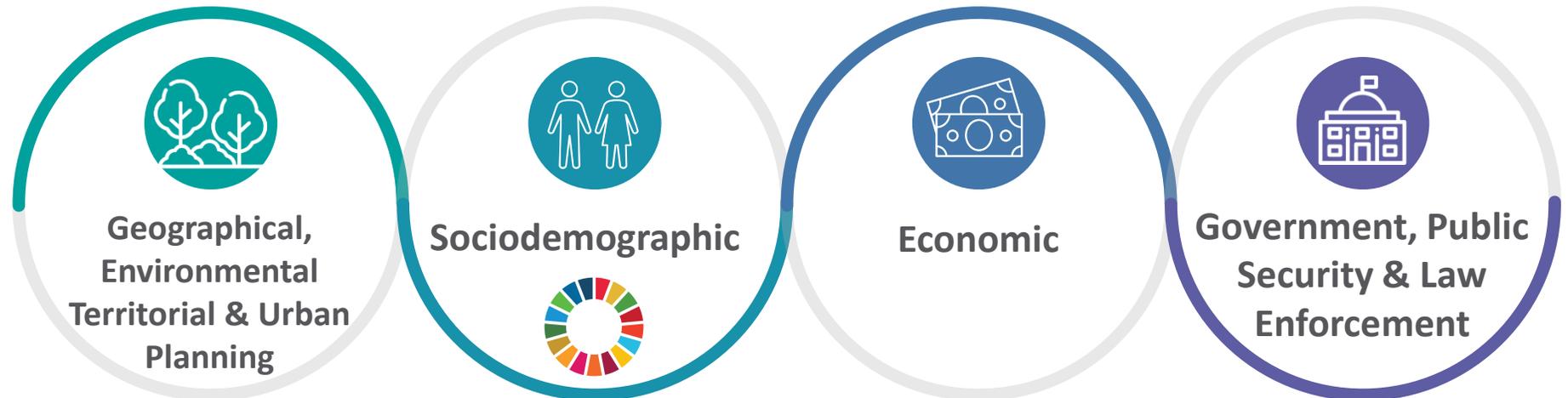
How does it help monitoring the SDGs?



Since 1983, this integration occurs naturally in Mexico, as INEGI is the institution responsible for the generation of both statistical and geographical information

Mexico's coordination framework to produce statistical & geographical information

Coordinated by INEGI, Public Entities are organized in 4 Subsystems of Information that interact with each other



Each Subsystem has **Specialized Technical Committees (STCs)** that set technical standards, guidelines, methodologies and processes

The STC on SDGs, headed by the office of the Presidency, coordinates the efforts to measure and monitor the progress of the 2030 Agenda



2030 Agenda: a State undertaking



Mexico's National Council for Sustainable Development and 2030 Agenda was installed on April 26, 2017

The National Council is conceived as a State-wide long-term commitment





OBJETIVOS DE DESARROLLO SOSTENIBLE

The Office of the Presidency of the Republic along with INEGI launched an online platform to monitor the progress of SGDs.

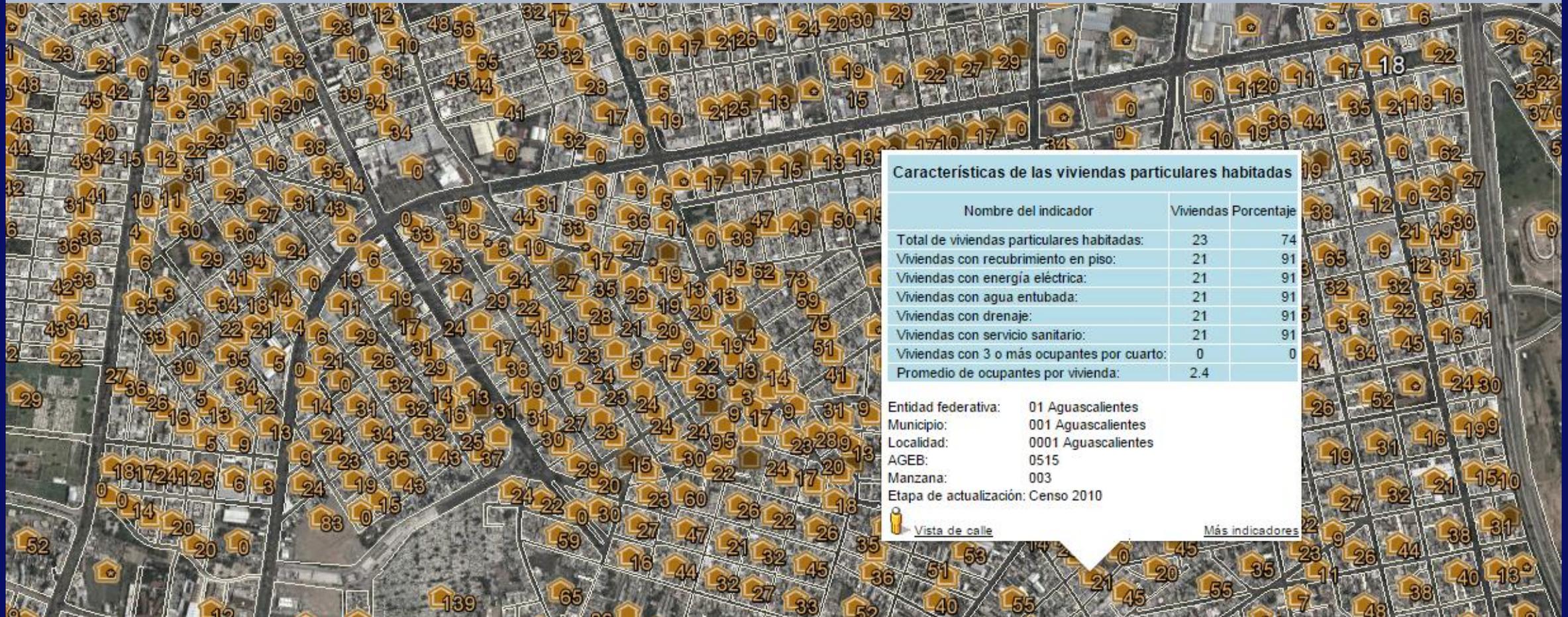
It currently has 79 indicators & is continuously updated

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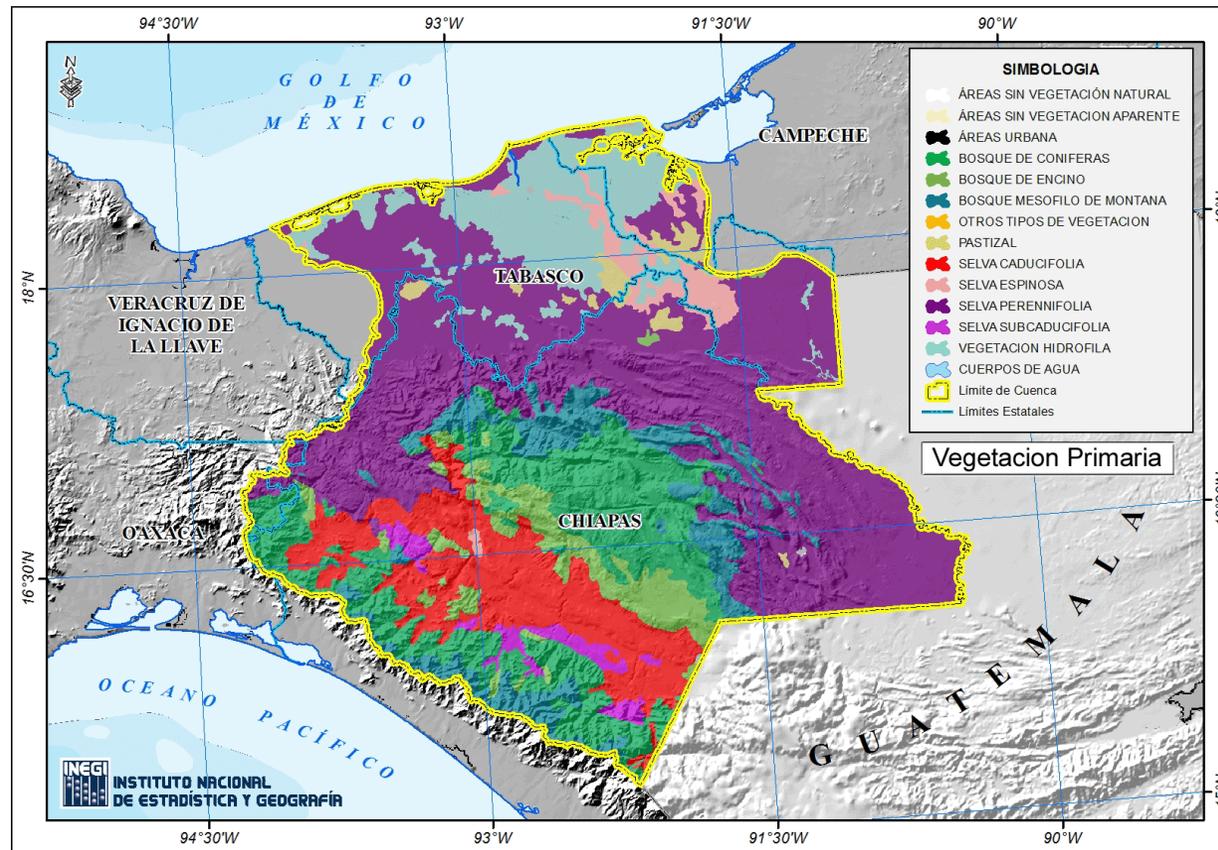
Indicator 1.4.1 (TIER 3) - Proportion of the population living in households with access to basic services



Input - National Housing Inventory

Indicator 15.2.1 (TIER 2) - Towards a sustainable forest management

Grijalva – Usumacinta basin



Input - Information on land use and vegetation

Significant steps have been taken to make the most of the integration of geospatial and statistical information, but there is still a long way to go



2030



2028

2024

2020

2018

We must establish a clearly defined roadmap in order to achieve our goals

Geospatial OpenData

Participatory mapping

BigData linked with

geoespacial information

Develop tools to facilitate the

use of geospatial information

For example

Big

Data

Big

Opportunity

**The use of Big Data for monitoring SDGs,
a tool yet to be fully exploited**

Big

Challenge



Social networks and millions of devices

- **GPS trackers**
- **mobile phones**
- **air quality sensors**
- **traffic cameras**
- **credit card POS**
- **IOT**

**generate information
at very low cost**

Potential use example:

Origin – Destination Survey

This kind of surveys are among the most challenging for official statistics



**Home interview
survey /
Road side
survey**

VS

**GPS
trackers**



SDG INDICATOR

11.2.1 (TIER 2) Proportion of population that has convenient access to public transport by sex, age & persons with disabilities

The world needs definitions

Who do Geospatial Big Data belong?

Information vs privacy dilemma



NSOs & NGIs

Partnerships with third parties

IT developers, telcos, think tanks, information generators or holders, etc.



Final remarks

- The 2030 Agenda is not only a current challenge but will remain challenging us in the future
- Involvement of **third parties and partnerships** is **critical** to speed up the process and boosts NSOs and NGIs efforts





- **Mexico is fully committed with the 2030 Agenda**
- **Lets make the most out of the opportunities** new geospatial technologies offer to official statistics and geospatial information



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