Enabling the georeferencing of statistical information
Why?

- Provide georeferenced data.
- Associated with regular or irregular framework.
- To support better public policy design and verification.
- To support location base services.
Considering that geospatial information is critical, this platform provide geoinformatics tools to facilitate the execution of field operations to collect statistical and geographic information and allow, in field, georeferencing the information.
GeoInformatics tools.

Module 1: Operational Planning module
Web Application

Module 2: Field Cartographical module
Mobile Application

Module 3: Operational Monitoring module
Web Application

GeoICT

Cartography at the end of the event

Geospatial Database
- Cartography
- Planning
- Integration and Updates cartography

Validation and integration process
Publication
Web and desktop apps to take advantage of the new information
Timeline, evolution of the GEOMATIC SOLUTION.

- Operational monitoring module
- Field cartographic module
- Monitoring field in Android
- Integration, Planning, monitoring field
- Integration, Planning, monitoring field
- Integration, Planning, monitoring field
- Integration, Planning, monitoring field
- Operational planning module
- Censos económicos 2009
- Censos económicos 2014
- Censos económicos 2019
- Censo de Población y Vivienda 2010
- Censos intercensal 2015
- Censo 2022 Agropecuario

Years:
- 2007
- 2009
- 2010
- 2014
- 2015
- 2019
- 2020
- 2022
OPERATIONAL PLANNING MODULE

Web application that allows detailed event planning (Census, surveys and geographic events) by assigning control sections, workload and time distribution.
Mobile application to georeference economic units, dwellings, service and others, as well as identifying and applying cartography updates detected during the event.
OPERATIONAL MONITORING MODULE

Web application for monitoring the advance and geographical coverage of the event, provide maps and various tools for analysis.
A web application that provides tools to georreference administrative records. It provides a homogeneous and systematic address definition.
The Digital Map of México, as a digital window to know statistical and geographic information generated in Mexico is the mechanism for publishing geographic and statistical information generated by INEGI and other state units of México.
Information available for PUBLIC USE

- National Road Network
  - Gas stations, Toll booths, Reference poles
- Economic Census
- DENUE
  - 5,528,698 economic units nationwide, updated to May 2022
- Ortophotos
  - Scale 1:20 000 (12,915)
  - Scale 1:10 000 (13,334)
- Agricultural Census
- Origin-Destination Survey in Households of the Metropolitan Zone of the Valley of Mexico

More than 270 statistical and geographical data layer
MxSIG is a software solution that allows the integration of Geomatics Solutions for the web. The software that makes it possible is a mixture of the best open source, free software and software developed at INEGI, which, under the MxSIG concept, is also released under a free or open-source software license.
Thank you for your attention

Lic. Luis Gerardo Esparza Ríos
gerardo.esparza@inegi.org.mx