

Institute of Statistical and Geographical Information of Jalisco State
Subnational Statistical and Geographical System
India. January 2017



INSTITUTO DE
INFORMACIÓN
ESTADÍSTICA Y
GEOGRÁFICA

Subnational Statistical and Geographical System

National Statistical and Geographical Information System



Coordinated by:



IIEG Jalisco is the first and only Subnational Information System in Mexico

Designed and developed under supervision by the **National Statistical and Geographical Information System** (SNIEG) that is integrated by the most important government agencies, federal entities and state units of statistics and geographical information in Mexico.

SNIEG is articulated through an **Information National Network**, the purpose of this National System is the production, distribution and publication of high quality statistical and geographic information.

Strategy Development



Merge and Fusion (2013-2014)

In 2013 the governor Aristoteles Sandoval **merged the three specialized agencies** of Jalisco's State, these agencies were responsible of all the production and distribution of statistics and geographical information as **separate individual agencies**.



Information Units and Geospatial Dimension



This unique model groups the **four strategic information modules** specified in the SNIEG performing the functions of collection, generation, analysis, supply, administration, publication, supervision, treatment and dissemination of all the data for Jalisco's State, including its 125 municipalities.

All this information is **introduced into a Geospatial Dimension Model**, allowing the enrichment of data by its transformation into geospatial products, made available for consumption by its end users, either in raw format or according to Spatial Data Infrastructure (SDI).

Information Units



Demographic and Social

Former State
Population Council



Economic and Financial

Former State
Information System



Geography and Environment

Former Territorial
Information Institute



Government, Security and Justice

Recently created under
the same budget

State of Jalisco Spatial Data Infrastructure

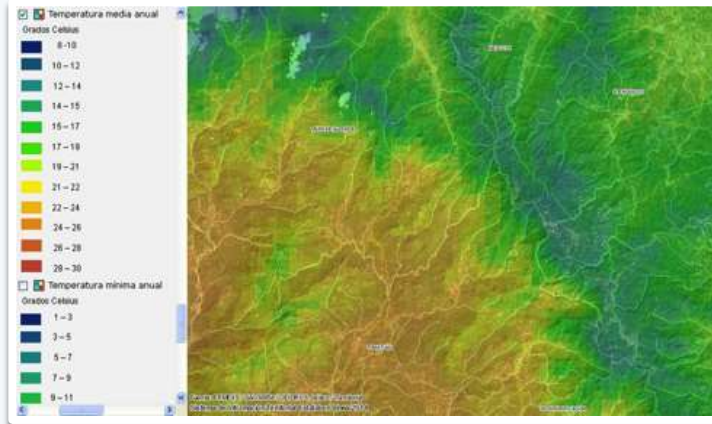


The **Spatial Data Infrastructure (SDI)** of Jalisco envelops, within one single platform, the Geospatial Data of all the State and its 125 municipalities, using three web components for consulting, analysis and raw data downloading under an open license model.

All the IT infrastructure and specialized personnel works at the IIEG facilities and administration.

The **target of this infrastructure** is to collect, convert, process and publish all Geospatial information in open data formats and licensing; available in a user friendly interphase, regardless of his geographic information proficiency, guaranteeing open access and functionality of its components.

State of Jalisco Spatial Data Infrastructure



WMS / WFS / WCS

Territorial Information Online System

<http://sitel.jalisco.gob.mx>

This project stores more than **2,500 Geospatial Layers** based on Spatial Data Infrastructure based on international standards and the Open Geospatial Consortium (OGC), allowing open and free access to raster files and imagery via Web Map Services (WMS), cartography and vector files via Web File Services (WFS), as well as Digital Elevation Models using Web Coverage Service (WCS).

State of Jalisco Spatial Data Infrastructure



State of Jalisco Main Map

<http://mapajalisco.gob.mx>

Integrates **600 Geospatial layers** in one single web platform, targeting all the Geospatial Data of Jalisco State, hence its frequent updates.

Framed under the Digital Map system of INEGI, an open source and free access platform that allows for different kinds of data visualization as a layer, data consulting and Spatial Analysis based in 370 different query logics and 186 thematic maps.

The system allows the connection with different kind of Web Map Services (WMS), web APIs and other mapping solutions from other Map Servers and Geodatabases.

State of Jalisco Spatial Data Infrastructure



MAPS / TABLES / GRAPHS

State of Jalisco Query System

<http://consultajalisco.gob.mx>

This system stores **104 Georeferenced Layers** of the State of Jalisco and its 125 municipalities on relevant subjects such as Population and Society, Economics, Government and Security, Geography and environment.

Displays the statistics and indicators through **maps, tables and graphs**; allowing for saving and exporting queries into a dashboard interphase.

The users have access to useful and timely information and queries for decision-making.



Results

- ✓ This infrastructure is currently **100% functional**.
- ✓ The operations and workflow are unique as a Statistics and Geographic Subnational Information System, bringing to the society stable services with **24/7 connection**, serving today more than **6,000 users per month** and increasing.

More about the IIEG

There's more to tell about this successful and replicable practice:



- ✓ The State of Jalisco, through the IIEG, is the only one in Mexico with the full development of the **8 projects for information use suggested by the INEGI** to be implemented at the State level.
- ✓ The Organization for Economic Co-operation and Development (OECD) has acknowledged the IIEG Jalisco as a **good practice and model to replicate**.
- ✓ IIEG Jalisco success model has been **presented in different venues** in Paris France, Washington D.C., Lima Peru and different events and conferences around Mexico and Latin America.

More About the IIEG



IBM

LAS MÁS INNOVADORAS
InnovationWeek | SECTOR PÚBLICO - 2015

U-GEOB
Tecnología en Gobierno

- ✓ Winner of multiple **prizes in innovation**.
- ✓ The states of Nayarit, Campeche, Zacatecas and Guanajuato already started the process to develop their own **Subnational Statistical and Geographical System** following the IIEG Jalisco success model.
- ✓ **Specialist and creative human resources** in Statistics, Business, Geography, Demographics, Environment, Government, Information Technologies and Data Management.
- ✓ **Big Data Analysis and Business intelligence** project developer.
- ✓ **GIS and Geospatial and solutions** project developer.



More About the IIEG



- ✓ Sustainable Facilities with the **Gold Environmental Distinctive** awarded by the most prestigious University in Mexico.
- ✓ **Open Data leadership** in Jalisco.
- ✓ Reinforces the **culture of information** and sustained demand.
- ✓ Provides **user friendly statistics**, for the benefit of the population.
- ✓ Projected towards a **data science**.
- ✓ **Evaluation and distribution of Open Data** (valuated by the World Bank).
- ✓ Leadership in **technical cooperation** between international information entities and State of Jalisco.





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