

# OPEN DATA IN MEXICO: LEGISLATION AND INSTITUTIONAL SETTING

**Julio A. Santaella**  
President of INEGI

UN Statistical Commission

Seminar on Emerging Issues, Open Data: Adding Value by Matching Access with Privacy and Security

March 3, 2017



**INSTITUTO NACIONAL  
DE ESTADÍSTICA Y GEOGRAFÍA**

# MEXICO'S APPROACH

- Mexico has a **National System of Statistical and Geographical Information (SNIEG - NSS)**.
- SNIEG's integration:
  - Set of **government departments** (State Units)
  - organized through **4 National Information Sub-Systems (NIS)**
  - with Specialized Technical Committees (STC)
  - regulated and coordinated by INEGI



# STC ON OPEN DATA (CTEDA)

- The CTEDA was created in December 2013
- Objectives:
  - Promote availability and use of **open data**
  - Develop and review guidelines, technical standards and best practices



# RESULTS OF THE CTEDA



- In November 2014 the **Technical Standard for Access and Publishing of Open Data of Statistical and Geographical Information of National Interest (TS)** was approved.
- It establishes provisions to make information available as **Open Data**.



INSTITUTO NACIONAL  
DE ESTADÍSTICA Y GEOGRAFÍA

# OPEN DATA ATTRIBUTES

- The TS establishes that **government departments in Mexico must provide access to their information as Open Data.**
- Attributes of open data information:

1. On-line	6. Machine-readable
2. Free	7. Integral
3. Non-discriminatory	8. Primary
4. Free of use	9. Timely
5. Open format	10. Permanent



# INSTITUTIONAL ALIGNMENT REGARDING PRIVACY

## Fundamental Principles of Official Statistics

Law of the National System of Statistical and Geographical Information

Principles and Best Practices for Statistical and Geographical Activities  
SNIEG

Technical Standard for Access and Publishing of Open Data of Statistical and Geographical Information

Standard for Dissemination and Promotion of Access, Knowledge and Use of Statistical and Geographical Information

Principle 6: Individual data collected by statistical agencies have to be **strictly confidential** and used exclusively for statistical purposes

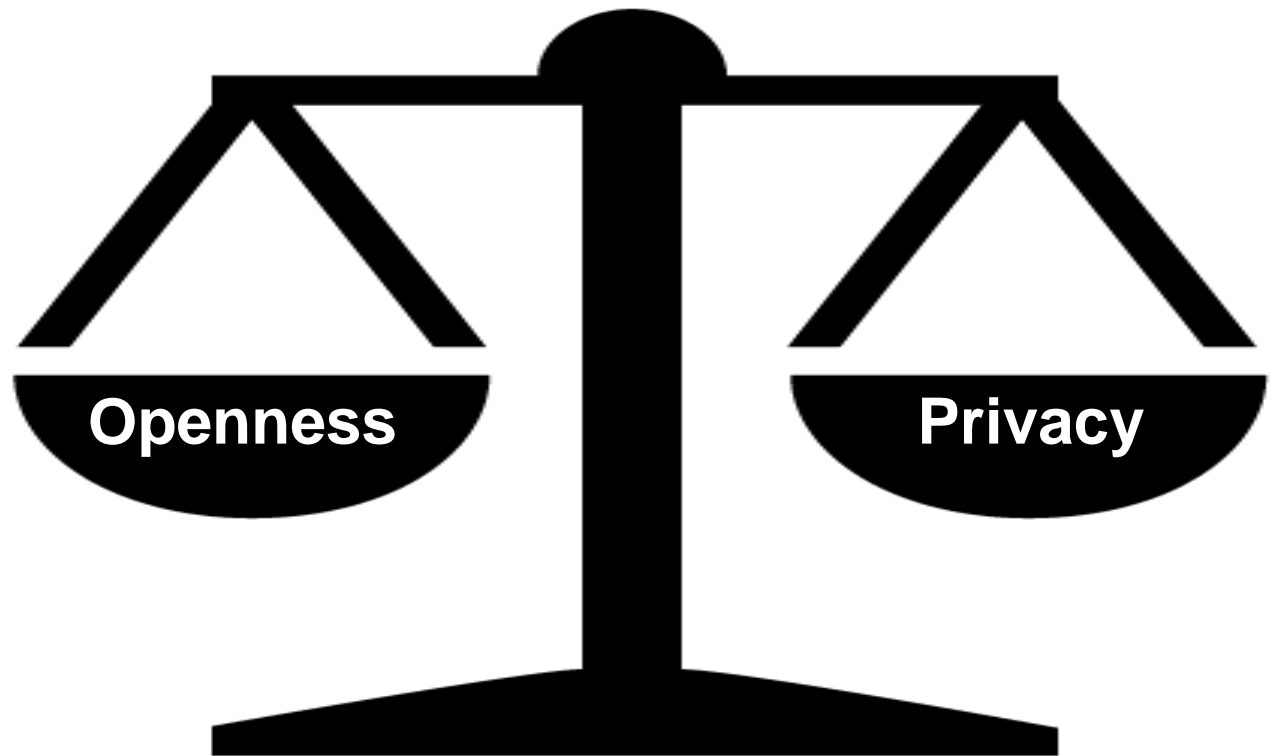
Data provided for statistical purposes will be **strictly confidential**

Guarantees **confidentiality** of data

Access to information does not violate principles of **confidentiality**

# BALANCE OPEN DATA - PRIVACY

- INEGI has taken steps towards balancing **openness** (data disaggregation) and **privacy** (personal information):
  - Open microdata as long as privacy principles are not violated
  - Microdata laboratory for specialized users only

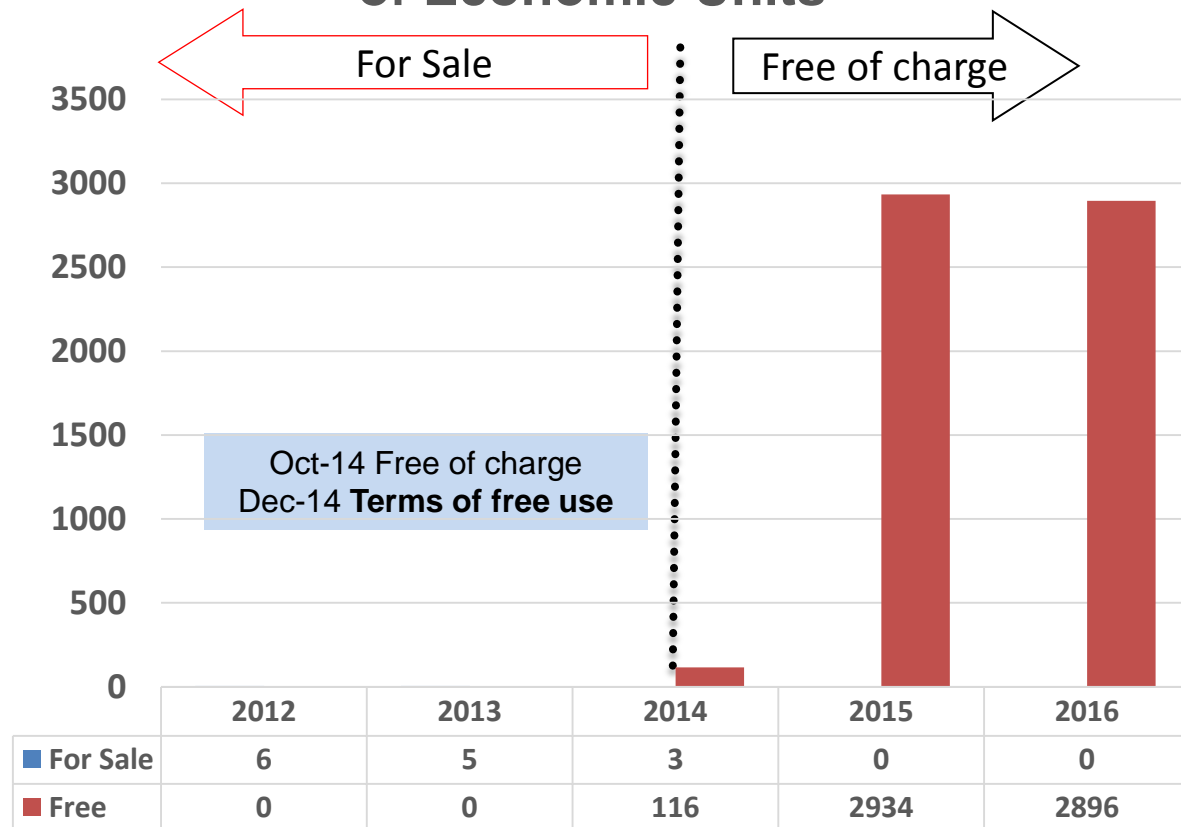


INSTITUTO NACIONAL  
DE ESTADÍSTICA Y GEOGRAFÍA

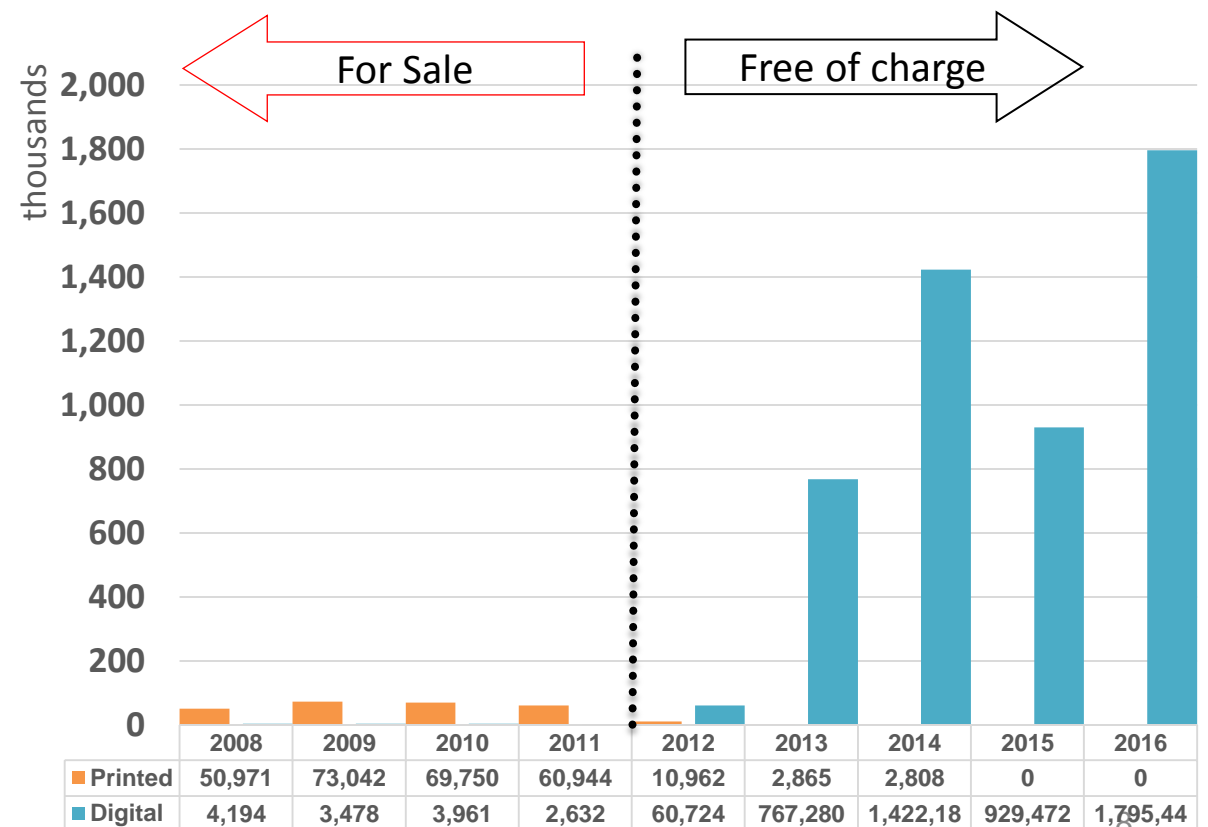
# OPEN DATA RELATED CHANGES AT INEGI

Remarkable examples of the impact of institutional changes

Sales / Downloads National Statistical Directory of Economic Units



Sales / Downloads of Digital Cartography





# OPEN DATA AT INEGI

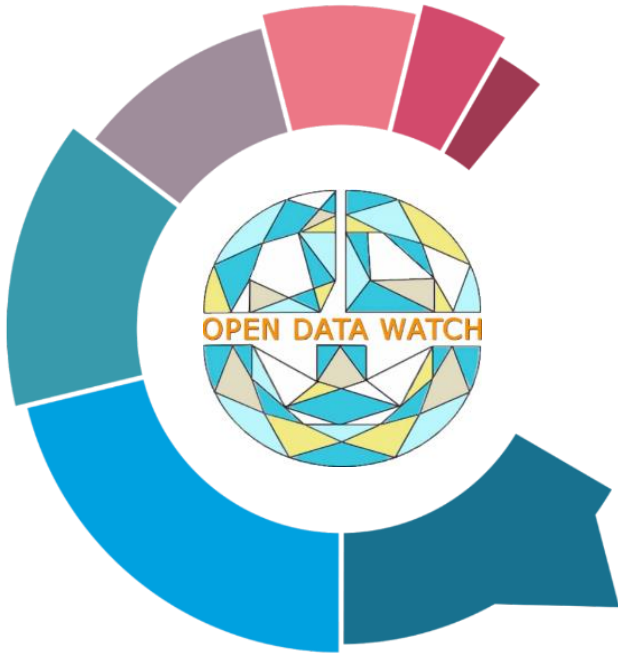
- Up to this day, INEGI has published **1,921 data resources as Open Data.**
- As a result, INEGI was ranked **1<sup>st</sup>** out of 125 countries in the ODIN 2015, and **16<sup>th</sup>** out of 173 countries in the 2016 edition.



[www.inegi.org.mx](http://www.inegi.org.mx)

## OPEN DATA INVENTORY 2015 & 2016

2015	2016
<b>Odin Score</b> <b>68</b>	<b>Odin Score</b> <b>67</b>
<b>1<sup>st</sup></b> Out of <b>125</b> countries	<b>16<sup>th</sup></b> Out of <b>173</b> countries



# NEXT STEPS



- The CTEDA will **review the Technical Standard** in order to include the SDGs indicators.
- In 2017 **all the statistical and geographical information** of National Interest will be available as Open Data.
- INEGI will start developing a **Linked Open Data** prototype.



# OPEN DATA IN MEXICO: LEGISLATION AND INSTITUTIONAL SETTING

**Julio A. Santaella**  
President of INEGI

UN Statistical Commission

Seminar on Emerging Issues, Open Data: Adding Value by Matching Access with Privacy and Security

March 3, 2017



**INSTITUTO NACIONAL  
DE ESTADÍSTICA Y GEOGRAFÍA**