

New innovation approaches to support the implementation of the Sustainable Development Goals

The experience of Mexico

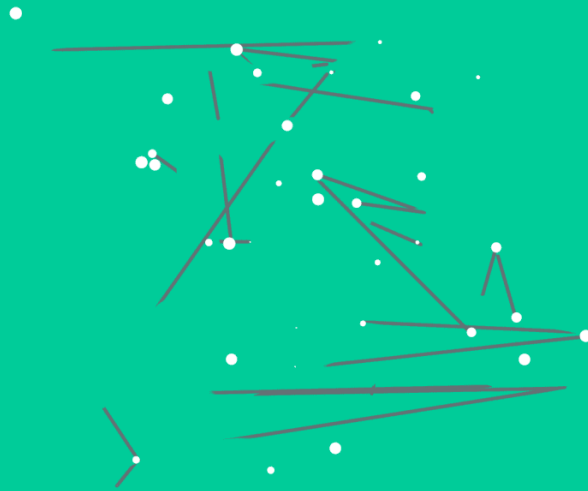
Commission on Science and Technology for Development
20th session

Geneva, 2017



Telecommunications Reform

Establishment of an
Universal Digital
Inclusion Policy,
**The National Digital
Strategy**



Telecommunications and
broadcasting updated
legal framework
to promote competition.

Autonomous regulation
entity to increase
competition on the
telecom sector
**Federal Institute of
Telecommunications (IFT).**

Internet access became a
constitutional right

Source:
<http://www.reformas.gob.mx/en/>



Enrique Peña Nieto, President of Mexico/ Opening address during the presentation of the National Digital Strategy

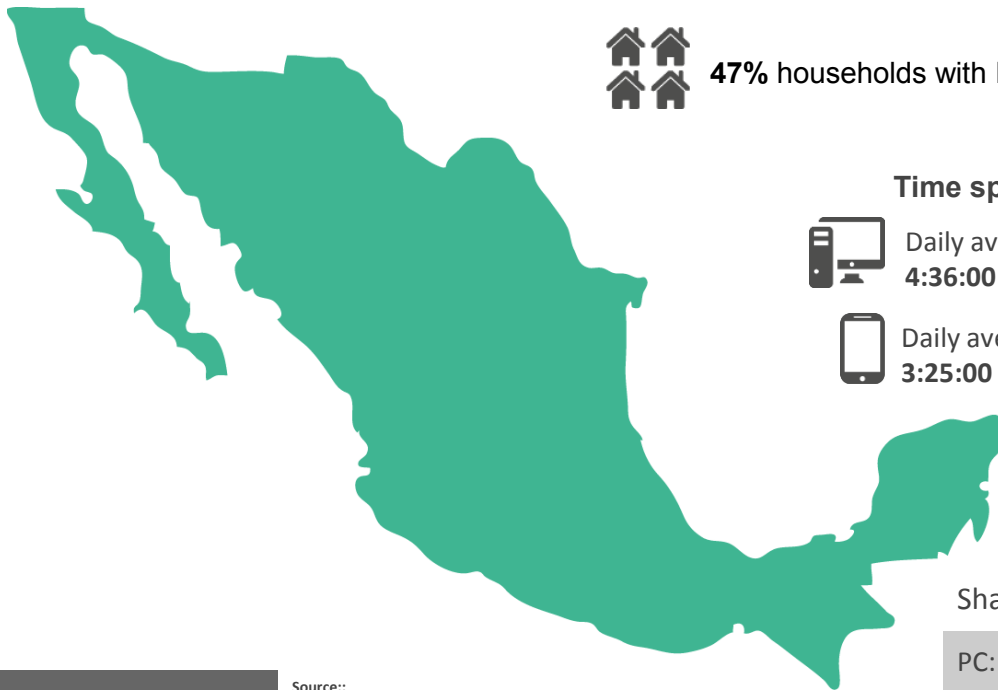
"The objective of the National Digital Strategy is to improve the use of technology to trigger our country's development. We are looking to develop a more innovative, competitive and prosperous Mexico, and ICTs are great means to reach these noble purposes. We are dancing a historic opportunity to transform our country and create a better future for all Mexico".



Alejandra Lagunes Soto Ruiz, Coordinator of the National Digital Strategy and Chief Information Officer (CIO) / "The National Digital Strategy is the government's commitment to transform Mexico through technology, face the present and be well prepared for the future"



Mtra. Arely Gómez, Minister of Public Administration / "I will strongly support the implementation of the The One Stop Shop, the Open Data Policy and the Usage of ICT as a platform to government transformation."



Internet users
65.5 Millions²



Mobile Phone Lines
110 Millions³



Mobile Internet Users
60.6 Millions³



47% households with Internet Access²

Time spent online:⁴



Daily average use via PC
4:36:00 horas



Daily average use via mobile
3:25:00 horas

Share of web traffic per device⁴

PC: 56%

Mobile: 39%

Tablets: 5%

Other device: 0.1%

Population: 121,005,815¹



Male 48.8%



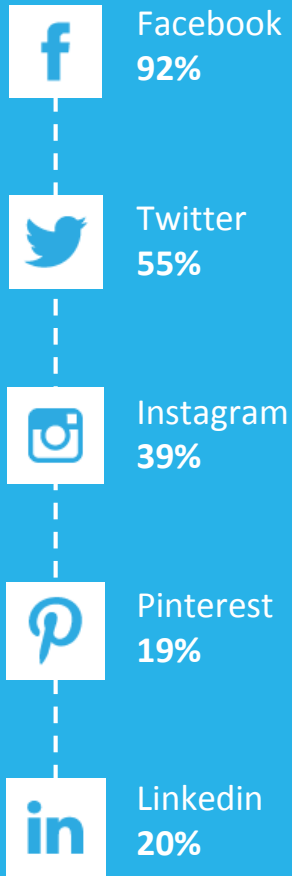
Female 51.2%

Source::

1. CONAPO Indicadores de la dinámica demográfica 1990-2010 y de proyecciones de población 2010-2030 de México y las entidades federativas.
2. ENDUTIH, 2016
3. IIFT Tercer Informe Trimestral Estadístico 2016.
4. We are Social Web Index: Guide to Digital, Social & Mobile in 2016. Pág. 201.

Social Media in Mexico

Percentage of internet users¹

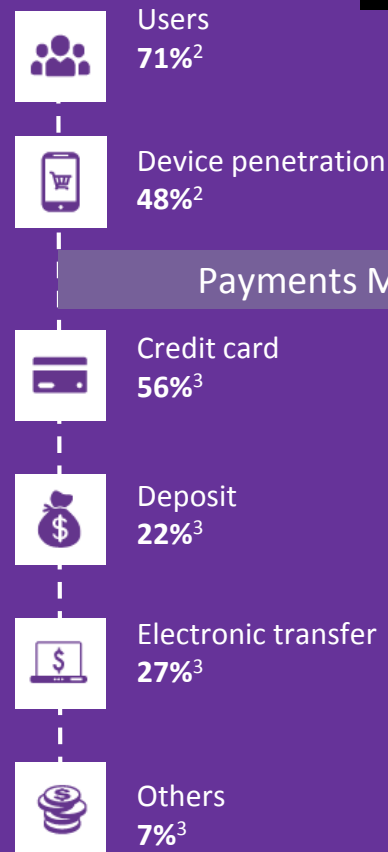


Source:

1. AMIPCI Estudio sobre los hábitos de los usuarios de internet en México 2016

eCommerce in Mexico

Percentage of Internet users

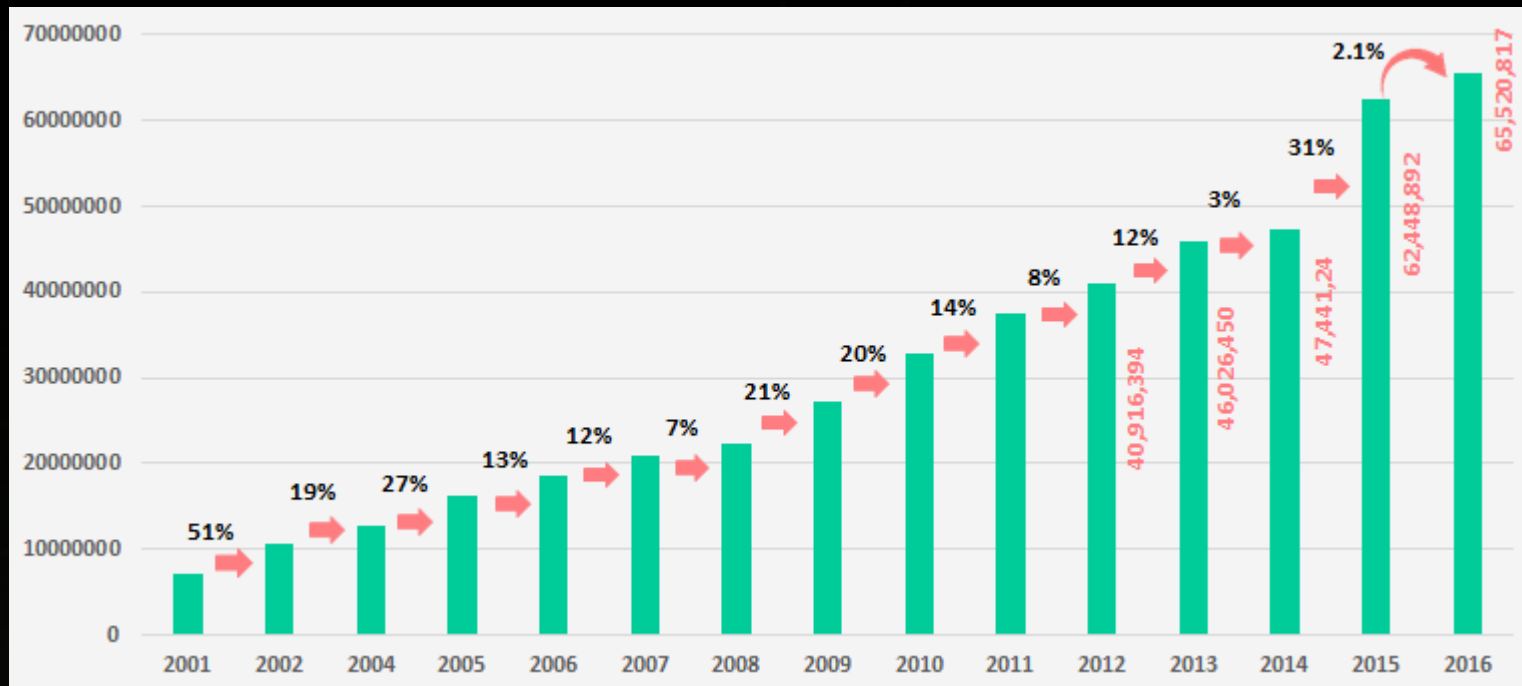


Source:

2. We are Social Web Index | Guide to Digital, Social & Mobile in 2015.

3. AMIPCI | Estudio de comercio electrónico en México, 2015.

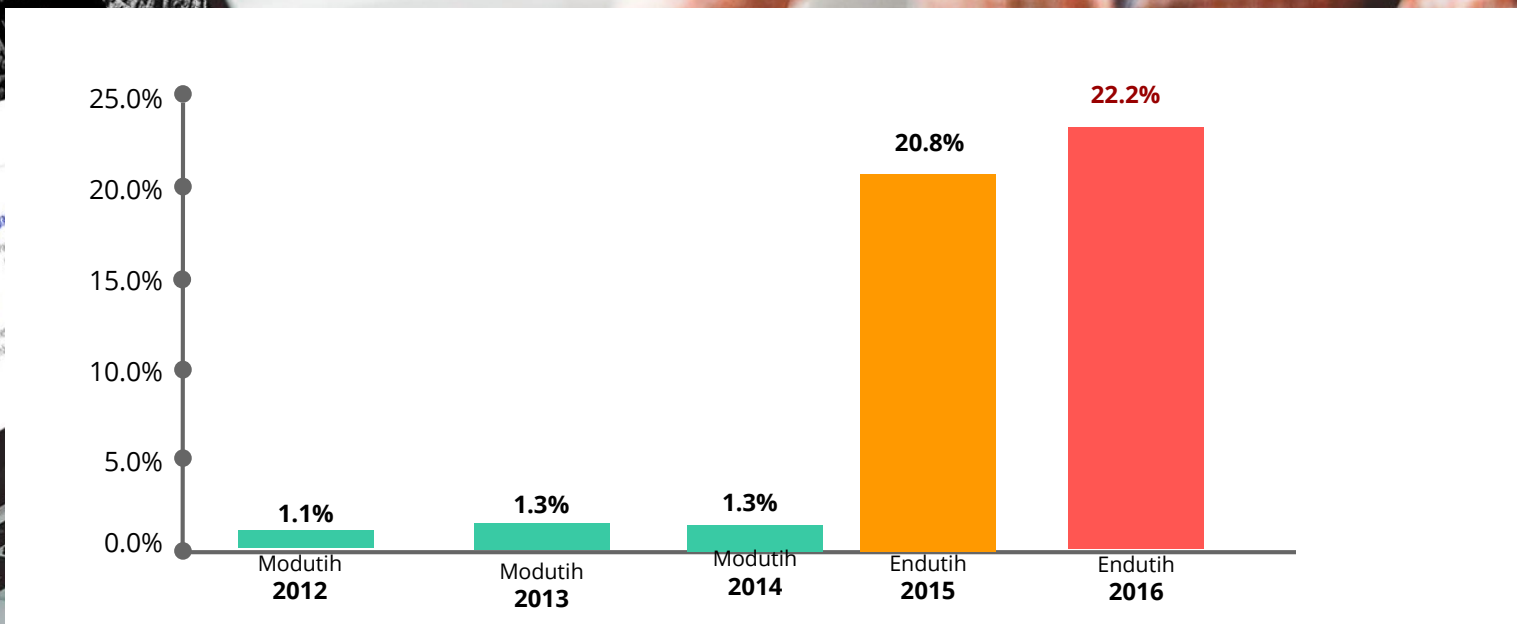
Internet users in Mexico del 2001 al 2016



1. Decree amending and supplementing various provisions of Articles 6., 7th., 27, 28, 73, 78, 94 and 105 of the Constitution of the United Mexican States, in telecommunications. (D.O.F. 06/11/13.)
2. Telecommunications and Broadcasting (D.O.F. 14.07.14.)

Source: INEGI, ENDUTIH 2016 <http://www.inegi.org.mx/est/contenidos/proyectos/encuestas/hogares/regulares/dutih/2016/default.aspx>

Percentage of Internet users interacting with the government



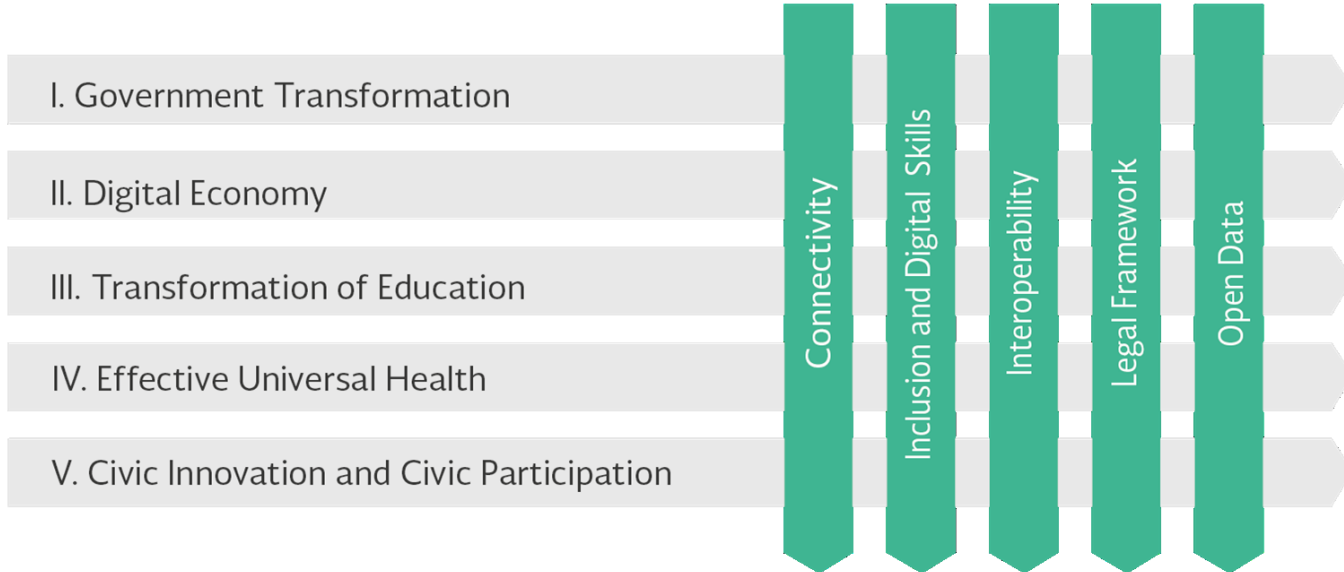
Note: In previous years the Modutih referred to the main uses of individuals, resulting in social media above the government. We worked with INEGI to create a question that allowed us to know the different ways in which the citizen interacts with government: For use in activities to interact with government, download formats and to fill or send formats

Source: INEGI, ENDUTIH 2016 <http://www.inegi.org.mx/est/contenidos/proyectos/encuestas/hogares/regulares/dutih/2016/default.aspx>

National Digital Strategy

Objectives

Enablers



gob.mx/gobierno

(e-gov)

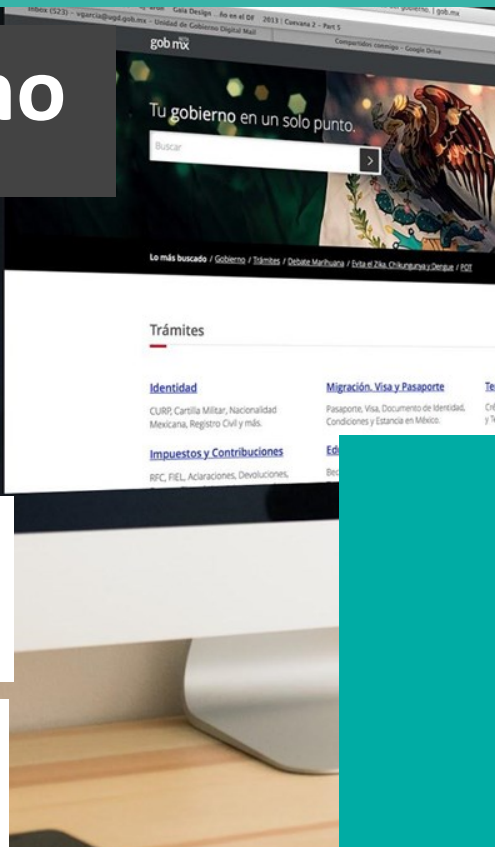
gob.mx/tramites

e-services

145 dependencies are currently **migrated** to gob.mx and under a process of continuous innovation

Access to information of **299 government institutions**

Accessibility for motor, hearing and visual disabilities



Access to more than

6,000 services

2, 890 procedures with digital services standard

Files - 2,890/6125

Downloadable forms - 636/945

Web forms - 978/2144

Decreto por el que se establece la Ventanilla Única Nacional para los Trámites e Información del Gobierno.

gov.mx/participa

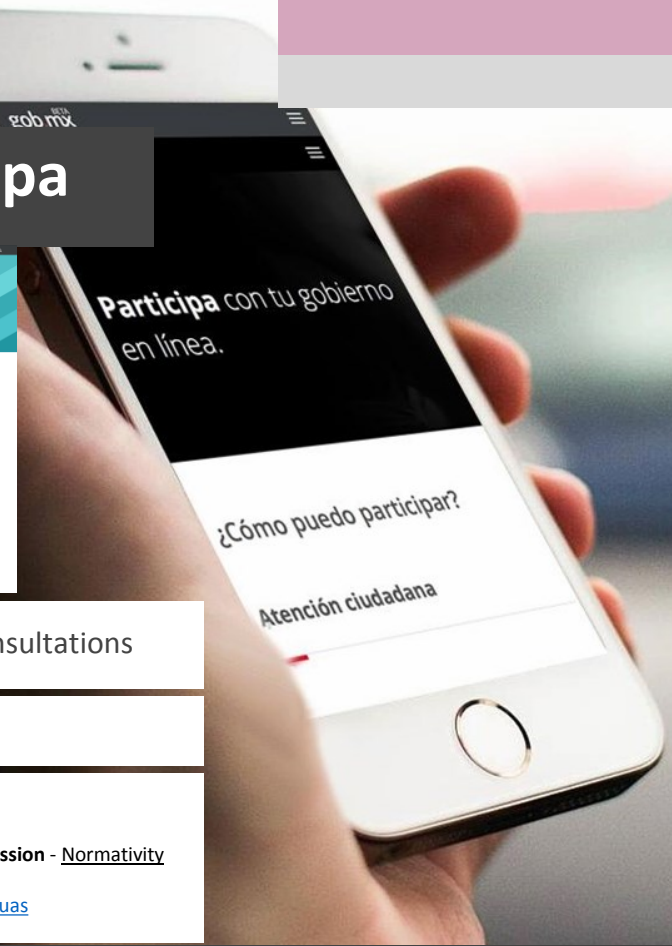
e-participation



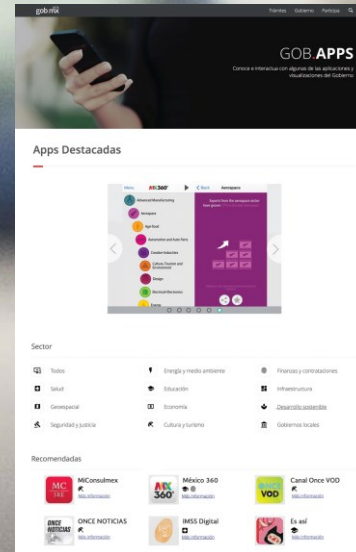
1,248 topics of public consultations

+27 mil on-line petitions

- From:**
- **Open Government Portal**
 - **Federal Regulatory Improvement Commission - Normativity Consultation**
 - **Tú Evalúas (You Evaluate) gov.mx/tuevaluas**



gov.mx/apps



12 certified mobile apps

Upcoming releases:
SFP: SIDECA y gov.mx with e-ID y mobile payments.

Continuing the increasing service transactionality

258,138,320 annual transactions of
2,024 transactional available services

500 beneficiaries of *PROSPERA*
Digital social program in **600**
communities

+ of **400 services**
with **e.firma**

150,174,506
consultation and printing of
the online CURP (PDF)

Nowadays **1.4 million**
of pensioners perform
online services each month
at *IMSS*

In 3 years more than **94**
million non face-to-face
visits have been performed
at *IMSS*

1st position in
Latin America and
the Caribbean in
Digital Services and
Digital Participation
and **14th** and
19th worldwide
respectively

800,000
women enrolled to
“family head insurance”
online

9,813,447 *CFE* digital
electricity bill prints per
year

Over **3,000** simplified
companies incorporated
100% online by 2017

81% of satisfaction in
digital services

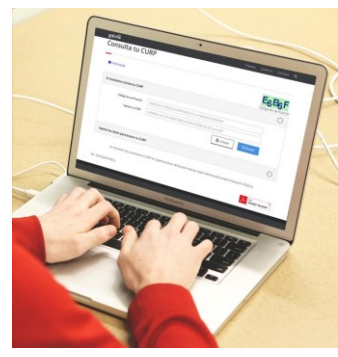
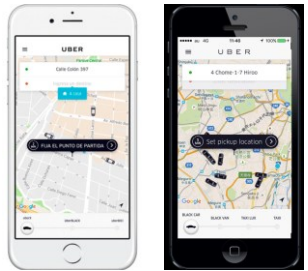
Digital Services Standard





Mexico
Japan
Service Information sheets
Downloadable forms
Web forms

ID	Sources of Trust	Document/ Public Services
1	SEGOB	CURP (Unique Population Registry Number/Birth Certificate), Consultation and printing of birth certificates for the APF
2	SEDENA	ID card of the National Military Service
3	SRE	Passport
4	SEP	Title and Professional ID
5	SAT	Federal Taxpayer Registration, e.firma (e.signature)
6	CFE	Electric Power Receipt



Sources of Trust Certificates



- In accordance with Section IX of Article XIII of the Interoperability and Open Data Framework (EIDA), the following government entities were granted with the character of a source of trust by considering their attributions.

Digital Services Standard and integration to gob.mx

Formats	gob.mx
More information	gob.mx
Downloadable forms	gob.mx
Web forms	gob.mx
Security	gob.mx
Analytical	gob.mx
Accessibility	gob.mx
Content migration	gob.mx

Seal of Excellence



2017 Pilots in the next Ministries and Government Entities	Education SEP	Title and Professional ID	Military SEDENA	ID card of the National Military Service	Energy SENER	Renewable energies	Health SS	Digital IMSS, COFEPRIS	Economy SE	SAS/ Your enterprise
	Interior SEGOB	CURP (Unique Population Registry Number/Birth Certificate)	Federal Electricity Commission CFE	Electric Power Receipt		Electronic Delivery Bureau /Energy Regulatory Commission	Environment SEMARNAT	Environment impact manifestation (MIA)	Foreign Affairs SRE	Passport

- Online Federal Highway Transportation Licensing (SCT): Favoring the productive sector of motor transportation.
- Opening up a business: Establishment of Simplified-share Companies (SAS): Providing the possibility of incorporation of Simplified Shares Companies online in just 24 hours.
- Digital IMSS: 8 out of 10 services are performed over the Internet, as well as the medical appointments.
- SAGARPA apps: #SagarpaProduce and #SagarpaMercados facilitate the information access to products and markets.
- SENER on line: Renewable energies on line, has digitized the public services of the energy sector, while meeting the commitments of clean energies.
- Digital COFEPRIS: Generates more than 2 millions for users.
- Digital SEP: Promoted an online citizen participation exercise and consulted the 2016 Educational Model, as well as the launch of the @prende 2.0 program that seeks to encourage digital skills in students and teachers.
- Mexico's Challenge: It seeks to promote the solution to public problems through innovation, inviting our entrepreneurs to generate solutions with technology.



Inicia SFP campaña para dar a conocer el Sistema Integral de Quejas y Denuncias Ciudadanas (SIDECC)

Próximamente, se lanzará también una aplicación para teléfonos móviles conectados a internet.

La Secretaría de la Función Pública (SFP) informa que, a partir de hoy, inicia una campaña a través de tiempos oficiales, para dar a conocer el funcionamiento del **Sistema Integral de Quejas y Denuncias Ciudadanas (SIDECC)**, mecanismo que contribuye a combatir los actos de corrupción, así como a dar certeza y seguridad jurídica a los trámites, misma que se ampliará a medios comerciales digitales, el próximo 4 de noviembre.

Con ello, se aprovechan los recursos tecnológicos de una plataforma única, mediante sencillos procesos, que permite incluso aportar testimonios en formatos de foto, video, audio y/o texto.

De esta forma, permite una comunicación adecuada entre la población y la autoridad, al tiempo que se armoniza un mecanismo congruente con el Sistema Nacional Anticorrupción (SNA), al inhibir conductas indebidas, tanto de particulares como de servidoras y servidores públicos.

El SIDECC posibilita la presentación oportuna de las quejas y/o denuncias, que puedan constituir una probable responsabilidad administrativa, además de permitir el seguimiento a las investigaciones correspondientes, hasta su conclusión.



Inicia SFP campaña para dar a conocer el Sistema Integral de Quejas y Denuncias Ciudadanas (SIDECC).



Sistema Integral de Quejas y Denuncias Ciudadanas (SIDECC)

▶ 0:00 / 0:30

Audio

Autor
Secretaría de la Función Pública

Fecha de publicación
25 de octubre de 2016

Multimedia



Why gov.mx is designed this way?

Allows accessibility for people with disabilities

Provides ease at the time of information search

Adaptable page for different devices and dimensions



Trámites

Denuncias, quejas e inconformidades

Quejas y denuncias contra: servidores públicos federales, COFEPRI, ISSSTE, PGR, PROFREDET.

Identidad

CURP, Cartilla Militar, Nacionalidad Mexicana, Registro Civil y más.

Migración, Visa y Pasaporte

Pasaporte, Visa, Documento de Identidad, Condiciones y Estancia en México.

Territorio y Vivienda

Crédito para la Vivienda, Desarrollo Urbano y Territorial y más.

Impuestos y Contribuciones

RFC, FIEL, Aclaraciones, Devoluciones, Factura Electrónica, Aduanas y más.

Educación

Becas, Deporte, Cultura, Ciencia y Tecnología, Título, Cédula Profesional y más.

Salud

Atención, Quejas Médicas, Seguros Médicos, Protección Sanitaria y más.

Trabajo

Obligaciones Patronales, Sindicatos, Movimientos Afiliatorios y más.

Asociaciones y organizaciones

Cámaras Empresariales, Colegios de Profesionistas y Sociedad Civil.

Comunicaciones y Transportes

Transporte, Servicios Portuarios, Satelitales, Telefónicos, Telecomunicaciones y más.

Economía

Tu Empresa, Comercio Exterior, Protección al Consumidor y Sectores Productivos.

Energía

Actividades reguladas por el CRE, Energías Renovables, Informes y Servicios de la CFE.

Medio Ambiente

Importación y Exportación, Impacto Ambiental, Residuos Peligrosos, Vida Silvestre.

Programas Sociales

Jóvenes, Adultos Mayores, Indígenas, Mujeres, Migrantes, Personas con Discapacidad.

Seguridad, legalidad y justicia

Atención Ciudadana, Contrataciones Públicas, Protección Civil y más.

Servicios Financieros

AFORES y SIEFORES, Ahorro y Crédito Popular, Protección del Usuario y más.

Turismo

Proyectos Turísticos, Registro Nacional de Turismo, TURISSTE y más.



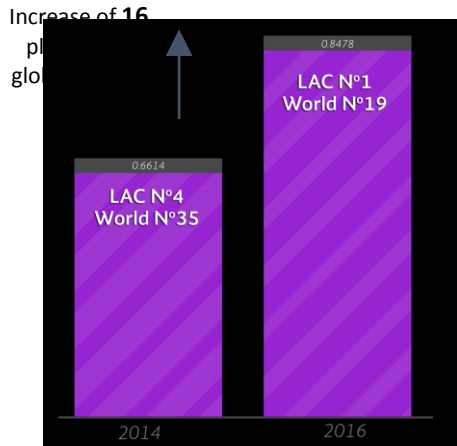
To Have a page with simple and intuitive navigation

Standardized design and easy interaction with the user

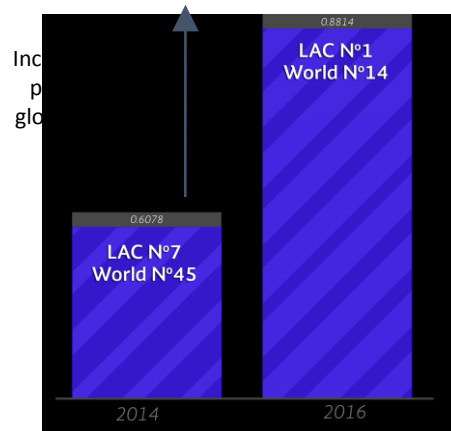
Allows viewing in English and French for foreigners

UN E-Government Survey 2016: Mexico leads the LAC region in Online Services and e-Participation

Online Services Index



e-Participation Index



Digital Initiatives of Mexico recognized as best international practice



United Nations recognizes Mexico for:

- Have on-line service systems with **strategic design**.
- Promote mechanisms of **open government and e-participation**.
- Increase efforts to innovate **institutional coordination, transparency and ease of access**.



OECD Recognizes good practices in Mexico:

- National Digital Strategy (EDN).
- National One-Stop Shop (VUN).
- ICT policy.
- CIDGE.
- Regulatory Framework of the EDN.
- Digital Inclusion.
- Open Data
- Open Mexico Network.
- Prospera with Digital Inclusion

* The E-Government Index consists of: 1) Online Services Index, 2) Technology Infrastructure Index, and 3) Human Capital Index

GOAL 2018:

reduce the economic cost
*(the time people waste on
administrative
management)* of gov
procedures by

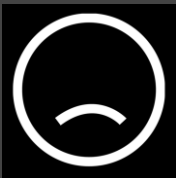
25%.



Happy



Neutral



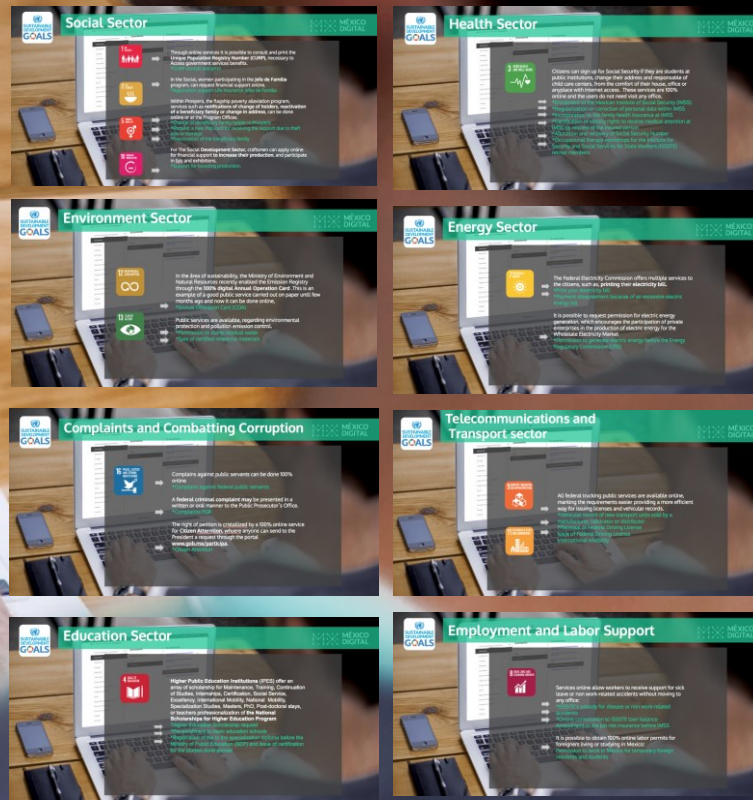
Unhappy

gov.mx is a key enabler for the SDGs



Through gov.mx we democratize access to 100% online digital services in the most strategic sectors for the sustainable development of the country.

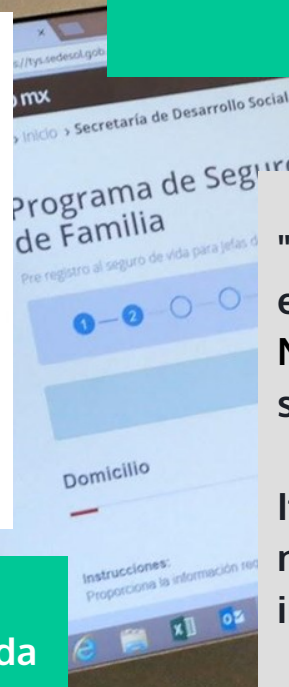
Follow the Data Tool for the SDG's in Mexico here:
agenda2030.datos.gov.mx



The experience of e-government



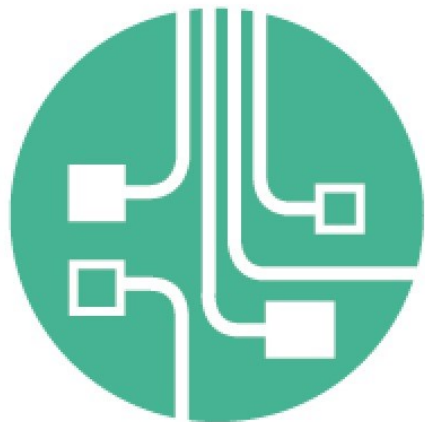
Lupita Hernández
Beneficiary of "Seguro de Vida
para Jefas de Familia" Program



"To make the pre-registration on the internet is very easy, just enter my CURP (Unique Population Registry Number) and my data appeared and on each screen shows me the progress until I finish my registration

It's good to know that you have this program online, now I can be calm, if I die, my daughter will have an income so she can continue attending school. "

Review leagues
<https://tys.sedesol.gob.mx/Tramite/vistas/public/users/add.xhtml?cid=1>



BLOCKCHAIN HACKMX



Agenda 2030 for Sustainable Development

“A universal, transformative and integrated agenda that heralds a historic milestone for our world”.

Ban Ki-moon, Former U.N. General Secretary



DECREE by which the National Council of Agenda 2030 is created.

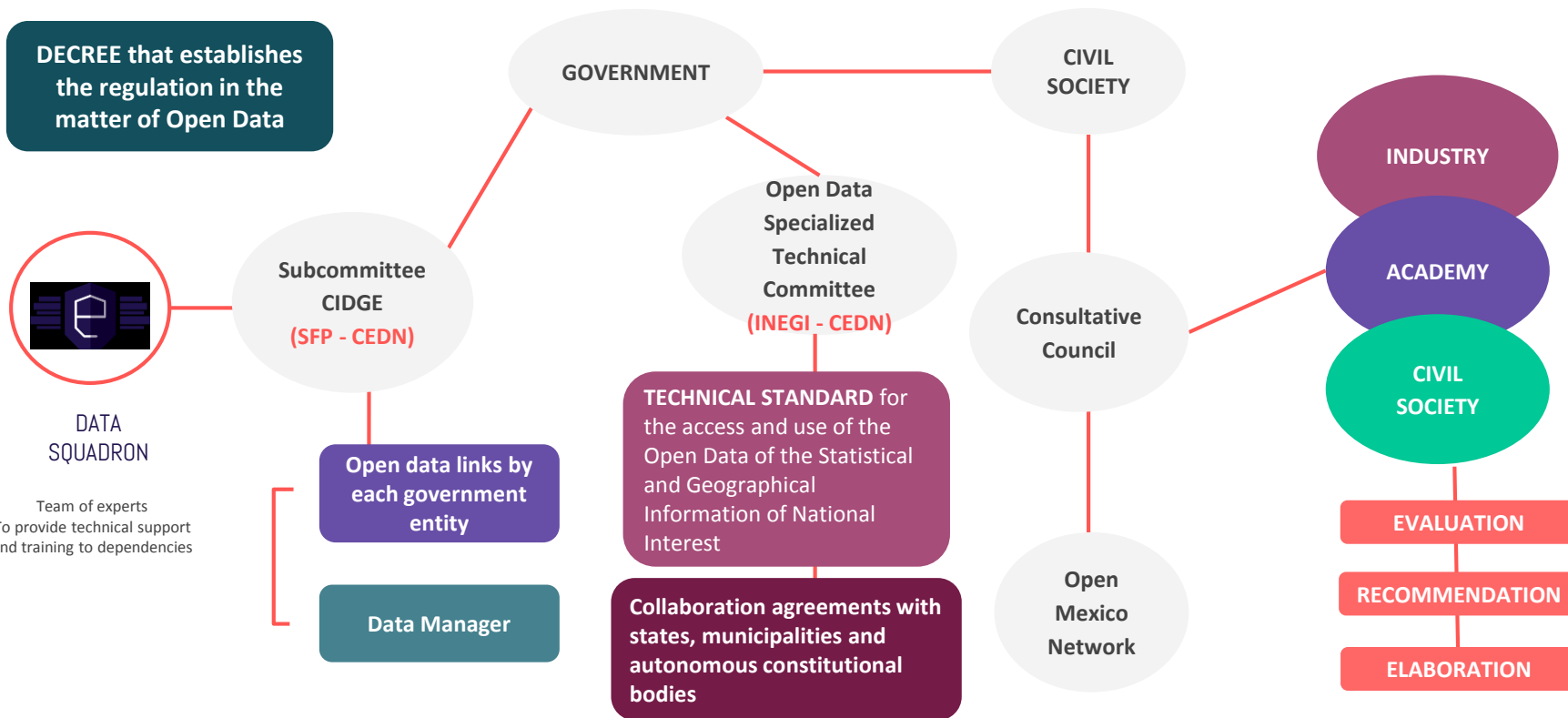
Installation of the National Council of the 2030 Agenda for Sustainable Development (April 26th, 2017) by the President of Mexico.

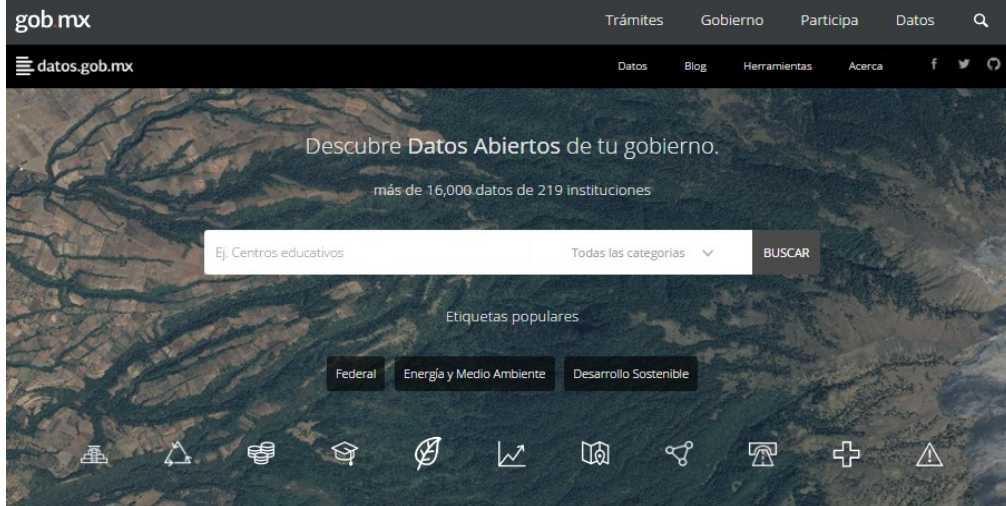
Three powers of government, autonomous constitutional bodies, as well as representatives of international organizations in the implementation, monitoring and evaluation.

Mexico faces Agenda 2030 by articulating joint efforts for the fulfillment of the 17 Sustainable Development Objectives (SDG), and its 169 goals.



Open Data National Policy





21,824
Databases
published by 222
government entities

Datos

Recomendados			Recientes	Más descargados
Nombre	Institución	Formato		
Sistema Nacional de Información de la Calidad del Aire	INECC	JSON		
Cuarto Informe de Gobierno	Presidencia	XLSX		
Transparencia Presupuestaria	SHCP / Transparencia Presupuestaria	CSV		
Contrataciones abiertas - NAICM	GACM	JSON		
PROSPERA, Programa de Inclusión Social	SEDESOL	ZIP		

Open Data apps

24
Web

12
Mobile

66
other

Mexico launched the Data Tool for Sustainable Development, a platform to visualize, explore and compare indicators related to the Sustainable Development Goals of the 2030 Agenda, that can be consulted through time, with different levels of spatial disaggregation, temporal and demographic groups.

Open data chapter

Mission

The overarching goal is to foster greater coherence and collaboration for the increased adoption and implementation of shared open data principles, standards and good practices across sectors around the world.

Datos

Recomendados			Recientes	Más descargados
Nombre	Institución	Formato		
Quién es Quién en los precios	PROFECO	JSON		
Ubicación de Códigos Postales en México	Correos de México	KML		
PROSPERA, Programa de Inclusión Social	SEDESOL	ZIP		
Índice de Rezago Social, 2000, 2005 y 2010 (nacional, estatal, municipal y localidad)	CONSEVAL	CSV		
Catálogo de Núcleos Agrarios	RAN	XLSX		





Mexican Government, in cooperation with the Center for Economic Research of Mexico are working on '[DataLab](#)', an initiative that will couple and support research fellows and public institutions to work together in finding solutions to public problems through the use of data

Red México Conectado is a multi stakeholder mechanism to promote best practices, build capacities and enable the publication of open data from the local level in [datos.gob.mx](#)



In collaboration with the GovLab, the Government of Mexico developed the project [Open Data 100 MX](#), the first mapping ever of companies using open data as a key input to generate economic and social value. More than 100 companies were identified, many of which are new businesses entirely based on open data, or that use open data as one of their core business proposals.

DEMOS and the UK Embassy in Mexico are working in '[Labora](#)', a platform that supports for civic and social entrepreneurs by offering capacity building trainings, and catered mechanisms to connect them to a world class network of businesses, mentors and investors to accelerate impact through the use of open data in their products and services



ICT Policy the federal public administration

Action Plan:

- Design Technology Architecture for the Federal Public Administration
- Promote consolidation of computing services and the sharing of ICT resources and infrastructure in government agencies and departments.

Information Security

ICT operation
Mexican market
Data sovereignty

Consolidate

Consolidate
Contracts
Applications
Telecommunications
Data center
Reduce the Budget

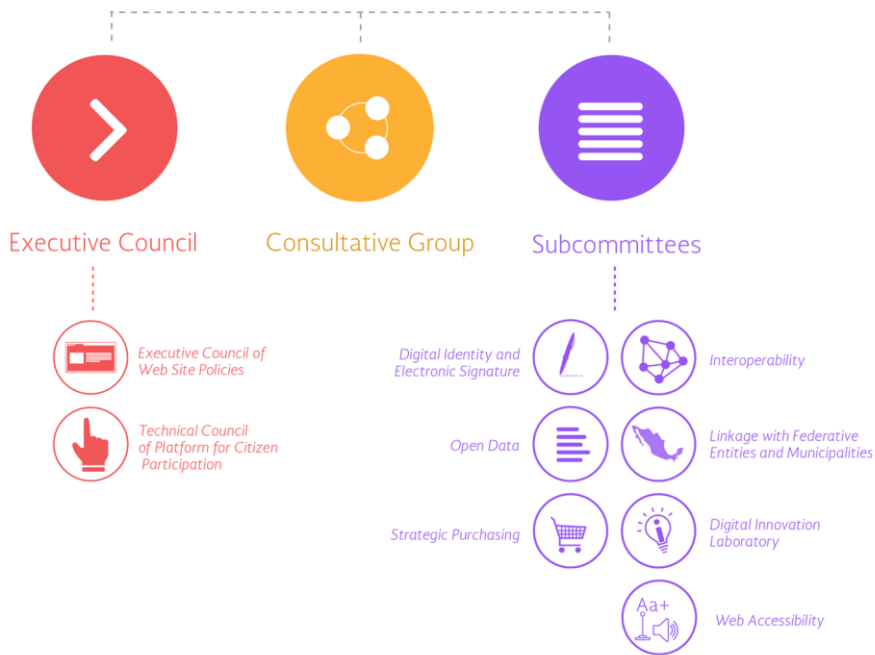


Interoperate

components
Enterprise
architecture
(cloud government)
Use installed databases
Promote technological neutrality

CIDGE

State Ministers



INTER-SECRETARIAL COMMISSION FOR THE DEVELOPMENT OF THE ELECTRONIC GOVERNMENT (CIDGE)

* Attributions: Article 18 of the Internal Regulation of the SFP.

** Agreement aimed at creating permanent CIDGE, published in the DOF on December 9, 2005.

Código X

It is an initiative directed from the Coordination of National Digital Strategy of the Presidency to consolidate efforts at the national and international levels of industry, civil society, academia and government in order to promote the inclusion of girls and women in Information and Communication Technologies (ICT).



Código X 2017 Event:

Women and girls Future of technology

May 19th-21st

In promoting the "CodeX" initiative, a joint effort has been established between the National Digital Strategy Coordination:

ICT industry representatives: CANIETI, AMITI, Asociación de Internet MX.

ICT Companies: AT&T, Cisco, Google, KIO Networks, Brain Up, Software Guru, Telefónica Movistar.

Government entities: SEP- @prendeMX, SEGOB - Conavim, INMUJERES, Centro de Cultura Digital, SCT - Puntos México Conectado.

International Organizations: ITU, ONU Mujeres, OECD.

Education Sector: ANIEI – National Association of Institutions of Education in Informatics, ITAM, CIDE - Talentum, Movimiento STEM.





Innovation



Create solutions



Business opportunities



Open innovation



Your connection to OPEN GOVERNMENT

Challenge Mexico: Open innovation platform that encourages the participation of the country's creative talent to generate solutions to a real problem and that can be translated into a business opportunity. <https://retomexico.org/>

Civic Innovation and Citizen Participation



Agents of National Innovation is a project of the National Digital Strategy spearhead in the redefinition of the collaboration of the public sector and citizenship, whose purpose is to promote technology-based projects that respond to public problems. The projects launched by the 1st generation of Innovation Agents are already having a transformative impact on:

- 1) The **health** sector through the Mexican Social Security Institute (IMSS), responding to the challenge of how, through social innovation, we can bring IMSS services to the citizen.
- 2) The **economy** through the National Institute of Entrepreneurs (INADEM), developing a digital system for the Entrepreneur Fund to facilitate and transparent the process of obtaining resources for Mexican entrepreneurs.
- 3) In **citizen security and prevention** through the Secretariat for Prevention and Citizen Participation in the Ministry of the Interior (SEGOB), seeking new mechanisms to involve the population in the social prevention of violence.
- 4) In **education**, through the Ministry of Public Education (SEP), helping to rethink distance education from the new technological tools.
- 5) Within **government transformation and democratization of productivity** through the Performance Evaluation Unit of the Ministry of Finance and Public Credit (SHCP), generating new mechanisms to integrate satisfaction with budget projects and receive feedback from beneficiaries to evaluate public policies.

Entrepreneurs are able to innovate in Government through digital solutions

Public Challenges

Democratize public Investment for digital innovation

Public Challenges is a strategy of the National Digital Strategy Coordination that invites to the entrepreneurs and innovators of the country to propose and to develop solutions for problems of the Federal Government.

Among the Private Challenges is the development of a platform to promote the presence of emerging ICT companies.

From 2014 to 2016: more than **2,500 entrepreneurs and small companies.**

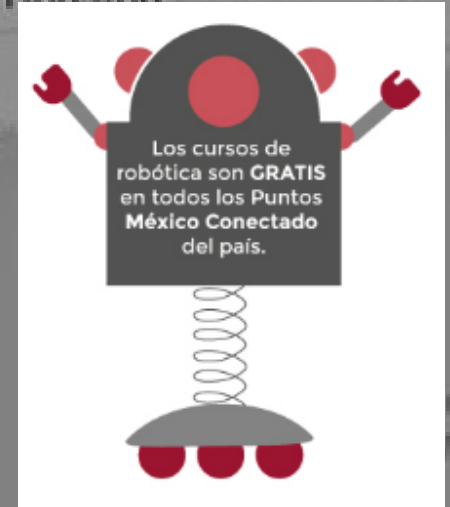
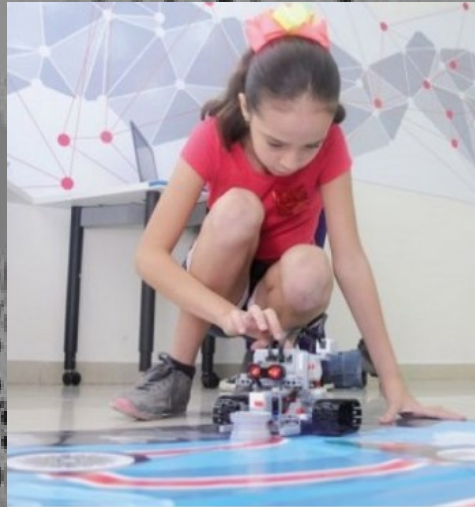
1,700 initial proposals

75 functional prototypes

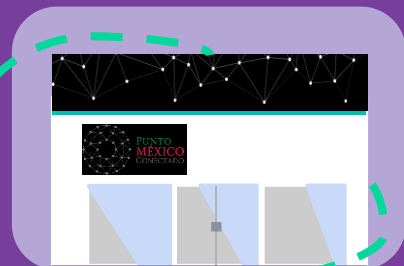


The public and private sectors promote Digital Inclusion

The “Mexico Connected Spots” (PMC's for its abbreviation in spanish), allows girls and women to take courses related to ICT's, an example of these are the **Basic Robotics CodeX-PMC's**



Digital Inclusion to close gaps



Women beneficiaries of the social program *Prospera Digital*
Ages between 18-55
They have up to 4 hours a week (+0.5 hrs of transport approx.)
They live in a urban microzone in Ecatepec near a Mexico Connected Spot



Education



Work



Income



Role at home

Transforming education with @prende.mx

2,022,998 electronic devices delivered to primary school students from 2013 to 2015

1,881,365 student beneficiaries

141,633 education actors beneficiaries

33,416 Public Schools benefited.

3,000 peripheral equipment for students with special needs

Integral Project that incorporates every component so that ICT's support educational processes and benefit all of the country. We are using **technology** to develop the **digital skills** that both **students and teachers** require to excel in the XXI century:

- *Collaboration*
- *Critical Thinking*
- *Communication Skills*
- *Self-management*
- *Digital Ethics*

Strategic Alliances

The **@prende.mx** program **is beign posible** due to the collaboration of:

State
Governments

Civil Society

Industry

Legislative
Power

Federal
Government

@prende^{2.0}
www.aprende.edu.mx

International Cooperation

Mexico leads the Network of e-Government Leaders of Latin America and the Caribbean (Red GEALC).

Mexico hosted the 11th Internet Governance Forum

Mexico participates in the Working Party of e-Government on OECD:

- Digital Service Delivery
- Electronic Identification
- Open data experts group

Mexico leads the eLAC, a plan of action for Latin America and the Caribbean Digital Agenda in line with the Sustainable Development Goals and the World Summit on the Information Society (WSIS).



Mexico is an active member of the Internet Governance Forum Multistakeholder Advisory Group and host country of the 11th Internet Governance Forum.

¡Muchas gracias!

Thank you

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