MOVING FORWARD TO DIGITAL INCLUSION IN MEXICO

Dr. María Catalina Ovando Chico
General Director of Telecommunications and Broadcasting Policy
Ministry of Infrastructure, Communications and Transportation (SICT)

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

SICT: FOREMOST ENABLER OF DIGITAL INCLUSION IN MEXICO

- Connectivity to enhance digital inclusion
- Public policy update
- Digital skills education for all

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Social Coverage Program (PCS)

- Annual Publication aimed to provide **equal and affordable access** to telecommunications services for all Mexican people.
- Locates and identifies **rural and urban communities lacking Internet coverage.**
- Provides updated information for **public policy makers to promote wider coverage and penetration** of telecommunications services throughout the country.

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION

Social Coverage Program (PCS)

- PCS 2022-2023 findings:
  - **From more than 189,000 localities** considered by PCS, the Program identified nearly **64,000 with no Internet coverage**
  - **5.4 million people lack Internet coverage**

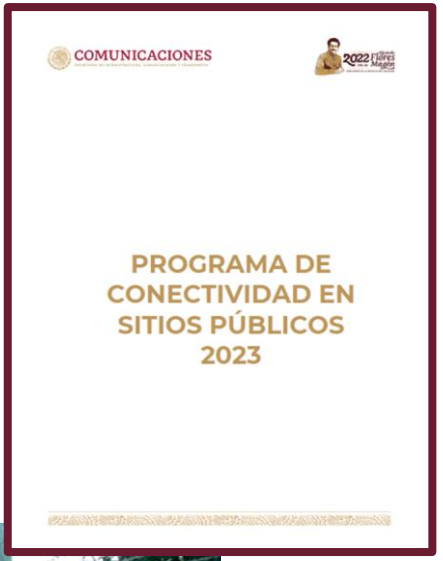
- Valuable input for **operators to extend their networks to serve underprivileged communities**

https://www.gob.mx/sct/acciones-y-programas/programa-de-cobertura-social

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Connectivity in Public Spaces Program (PCSP)



- Annual publication **identifies priority public spaces lacking connectivity** to broadband Internet
- Program aimed to **enable cost-free access to public projects and programs.**
- PCSP 2023 **identified 5,088 unconnected priority public spaces**

https://www.gob.mx/sct/acciones-y-programas/programa-de-conectividad-en-sitios-publicos

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Aldeas inteligentes, bienestar sostenible

- **Inspired by ITU's "Smart Villages",** the Project provides cost-free **satellite connectivity for rural communities.**
- **Supports community productive projects** to improve local economies, increase common welfare and promote digital alphabetization.
- **75 Smart Villages fully operational in 16 States.**
- **More than 100,000 people benefited.**

https://coberturauniversal.gob.mx/aldeas-inteligentes

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

“Telecommunications and Internet for all by CFE”

- Non-profit public company and **strategic pillar for official program “Internet for all”**.
- **Installs cost-free wireless Internet** in highways, public squares, health centers, hospitals, public schools and other community centers.
- **81,887 Wireless cost-free Internet sites** connected as of September 2023.
- Cost–free connectivity for underprivileged population and marginalized communities.

CFE-TEIT
Telecomunicaciones e Internet para Todos

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION (Progress)

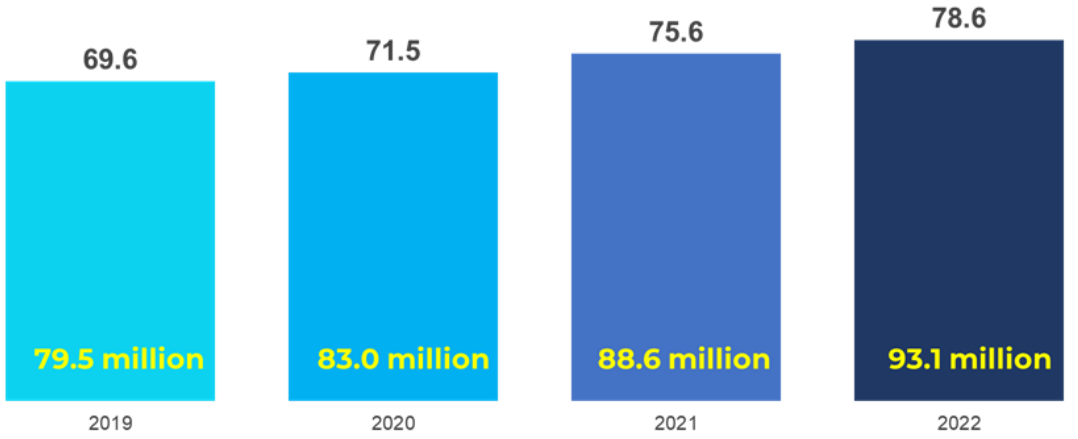
COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

National Survey of ICT Usage at Home (ENDUTIH 2022)

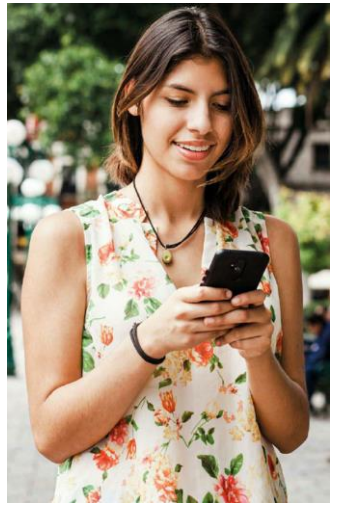
- **Key input** for public policy makers, regulators and new business developers.
- **Reliable indicators on progress of ICT usage** in Mexico.
- Enhanced visibility on **alternatives to increase ICT access and eliminate the digital divide.**

Internet users 2022:

93.1 million = 78.6%



Progress	2019 Users/Population %	2022 Users/Population %
Internet users	**79.5 million = 69.6%**	**93.1 million = 78.6%**
Mobile telephony users	**85.5 million = 74.9%**	**93.8 million = 79.2%**



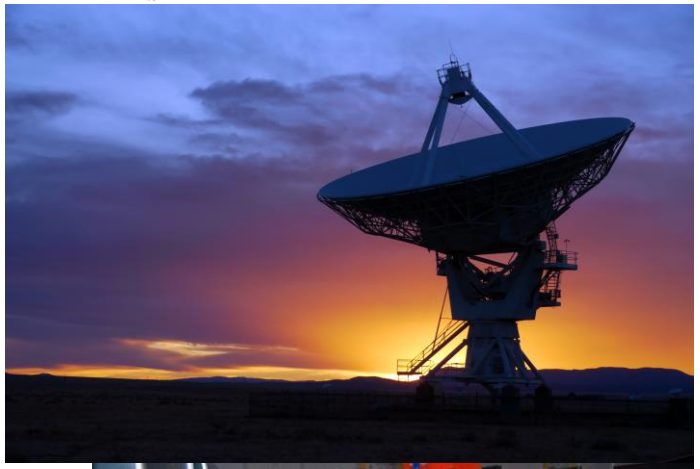
2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

Source: ENDUTIH 2022 - INEGI

PUBLIC POLICY UPDATE

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Federal Government Satellite Policy



- Ensures **Federal Government rectory upon satellite development**, orbital resources and applicable regulation.
- **Considers recent technology innovations** within global space industry & markets.
- **Establishes six fundamental pillars** and comprehensive strategic actions.

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

PUBLIC POLICY UPDATE

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Federal Government Satellite Policy (2)

The six fundamental pillars

1) **State Rectory**

- **Ensures integral and sustainable development**
- **Strengthens national sovereignty** and democratic regime

2) **Social and digital inclusion**

- Guarantees constitutional **right to access telecommunications and Internet**
- Bridges digital divide by providing satellite **Internet access to remote and isolated communities**

3) Economic development

- **Supports and enhances productive projects** within the communities

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

CONNECTIVITY TO ENHANCE DIGITAL INCLUSION

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Federal Government Satellite Policy (3)

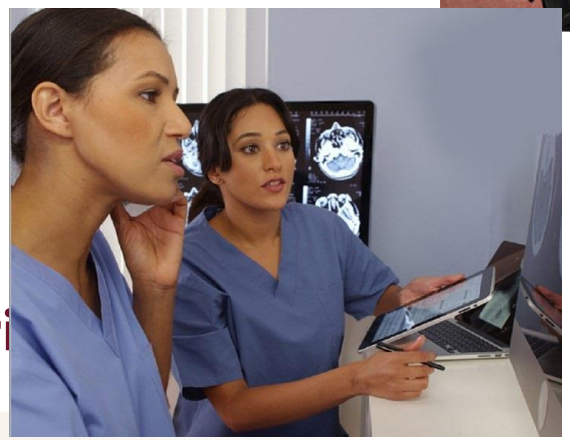
The six fundamental pillars

4) **National security and civil protection**

- Ensures integrity, stability and permanence of the Mexican State, and **safeguards peoples' life and patrimony**

5) **Technology development and satellite ecosystem**

- **GSO satellites redundancy** with terrestrial network to secure connectivity



6) **International cooperation**

- Encourages international cooperation on **satellite regulation, and scientific and industri collaboration**

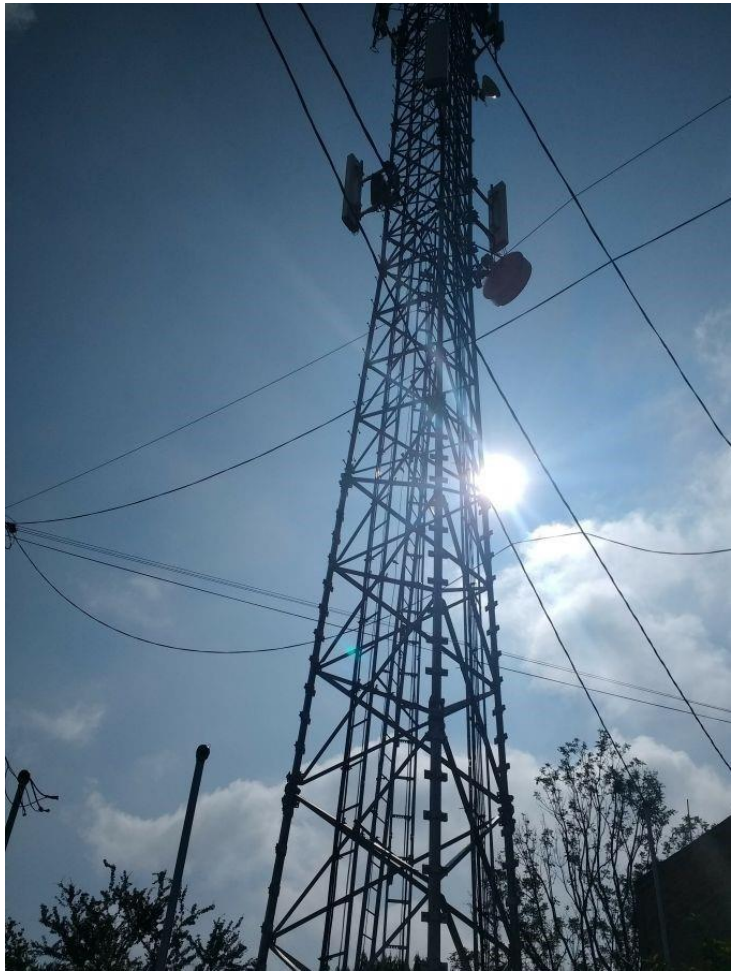
2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

PUBLIC POLICY UPDATE

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Standarization of the regulatory framework for telecom infrastructure display and maintenance.

- **Simplification and standardization of multiple municipal and state regulations** ruling telecom and broadcasting infrastructure display and maintenance.
- Initiative avoids **costly procedures.**



National Spectrum Program

- Objective:
  - Enhance optimal spectrum management for **development and implementation of new communication technologies to increase coverage and access for social and economic welfare.**
- **Developed by SICT,** ensures digitalization potential to leverage productivity and increase Mexico´s global competitiveness.

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

DIGITAL SKILLS EDUCATION FOR ALL

COMUNICACIONES
SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES

Strategic Alliance with UIT

- "Americas Girls Can Code" initiative (AGCC)
- Enhances codification skills and digital abilities in the STEM areas for young women and students

Update of the "Digital Skills Framework"

- Identifies priority digital skills and capabilities focused on closing digital divide to promote Mexico's social and economic development.

Strategic Alliance with Huawei "Seeds for the future", technology contest

- Since 2015, offers guidance and support for technology projects with social impact developed by Mexican students.

2023 AÑO DE Francisco VILLA
EL REVOLUCIONARIO DEL PUEBLO

2023
AÑO DE
Francisco
VILLA
EL REVOLUCIONARIO DEL PUEBLO

catalina.ovando@sct.gob.mx

ESTADOS UNIDOS MEXICANOS

COMUNICACIONES

SECRETARÍA DE INFRAESTRUCTURA, COMUNICACIONES Y TRANSPORTES