

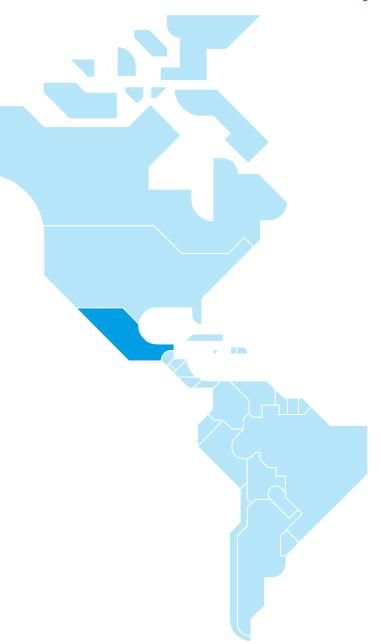
## JUNE **2016**

## Digital Context: Mexico



## Outline

- Overview
- **1 Digital scenario**
- **2** Demand side
- **3** Supply side
- **4** Regulation side



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## Overview

- Mexico has room for improvement in the digital dimension
- Increase of internet access and use. Currently there is more variety of devices for internet connection apart from computer
- The lack of money is the main barrier to access internet for the 60% of households without access
- E-banking and e-commerce have registered significant growth, but their use is around 10%, much lower than the principal uses: communication, information and leisure
- Mobile broadband gains relevance. Number of subscriptions have increased 82-fold
- The weight of fixed-telephone inversion has decreased in favor of internet service (+52%) and mobile communications (+38%)
- There are regulatory constraints for **digital sales of financial services**. There is room for improvement subject to regulatory changes
- Laws relating with ICT have a positive relation with the legal system efficiency and negative relation with piracy rate

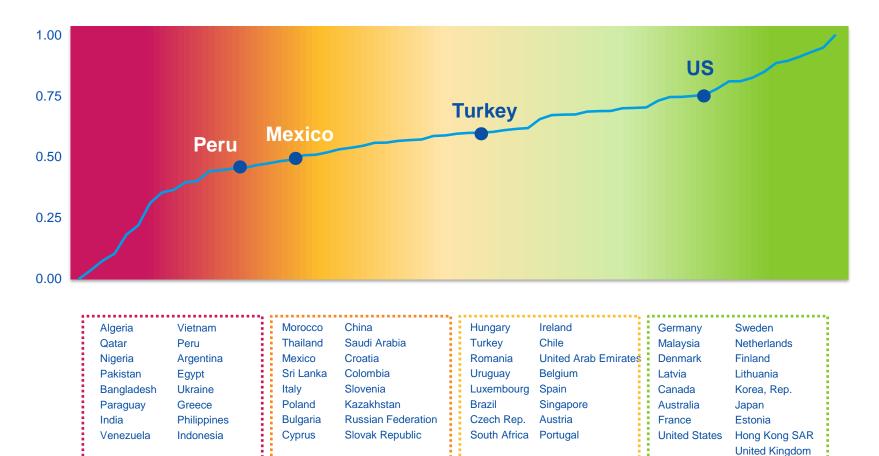


## Scenario: Digitization Index



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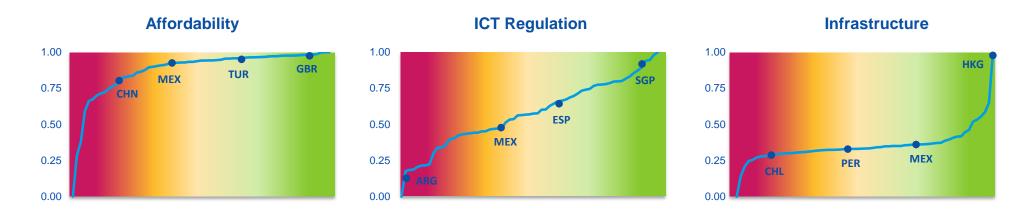
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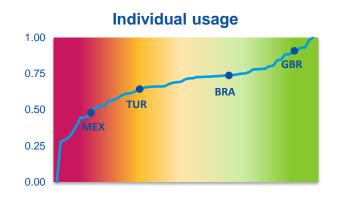


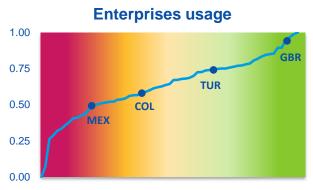
The index comprises the measure of infrastructure level indicators, adoption and use of technologies, costs and regulatory conditions



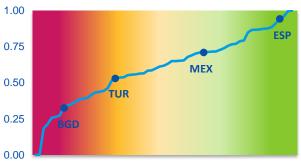
## 1.2. Structural digitization Index 2015: By dimension

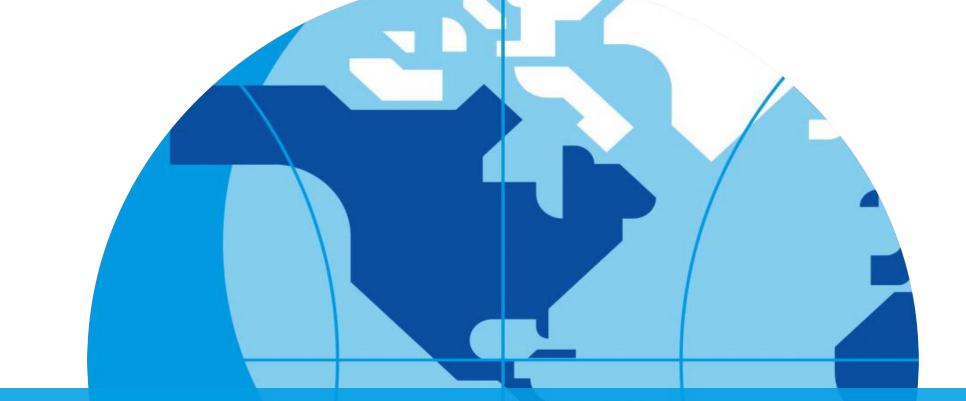






Content

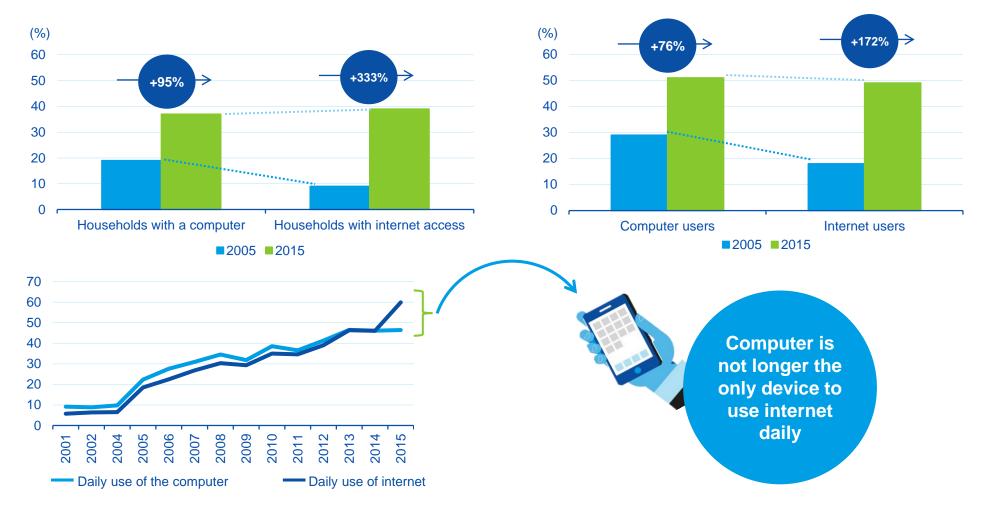




## **Demand side**

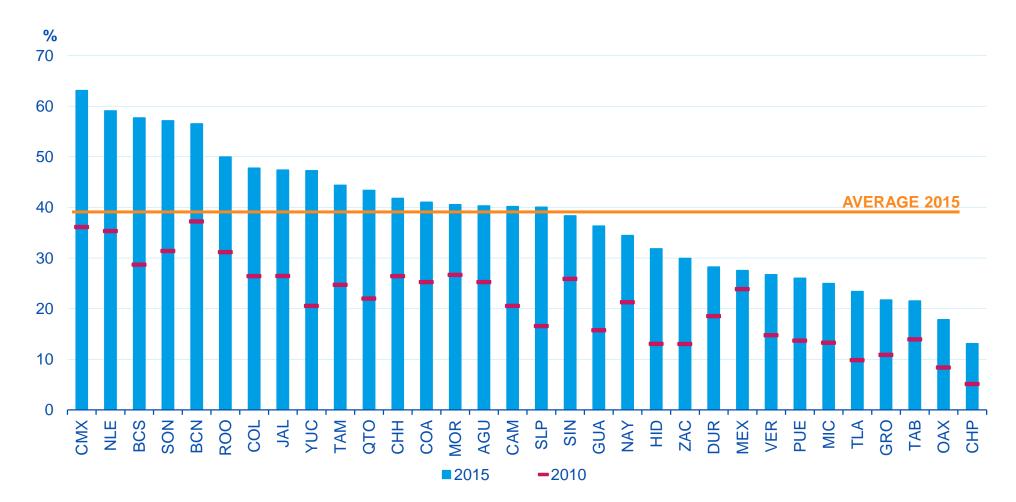


## 2.1. Computer and internet: Access at home and usage





## 2.2. Internet access at home: Evolution of the states

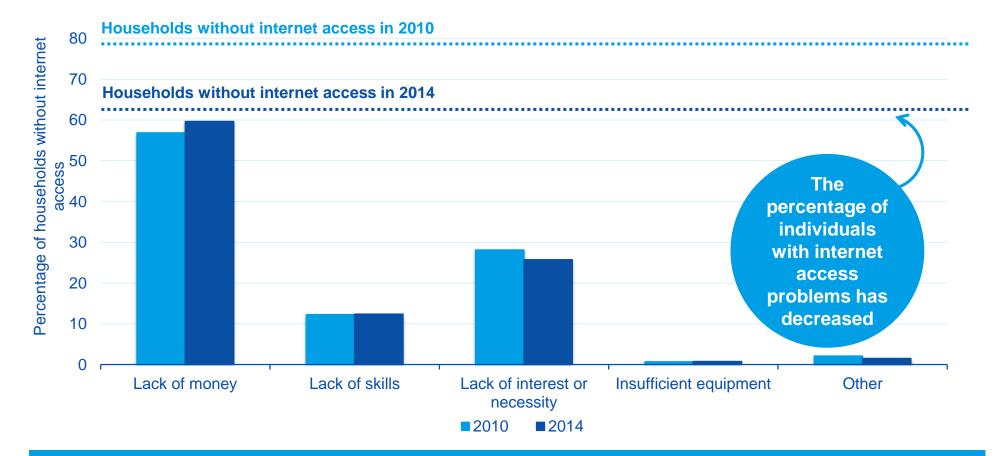




### 2.3. Internet access barriers at home

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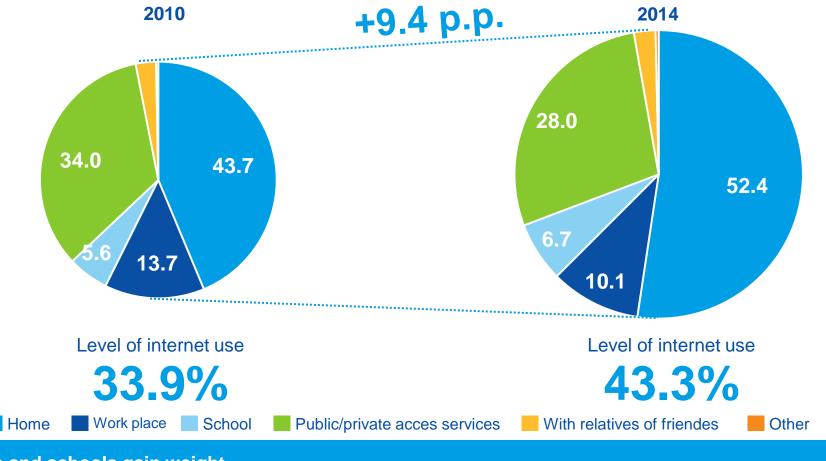
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The lack of money is the main barrier to access internet for households



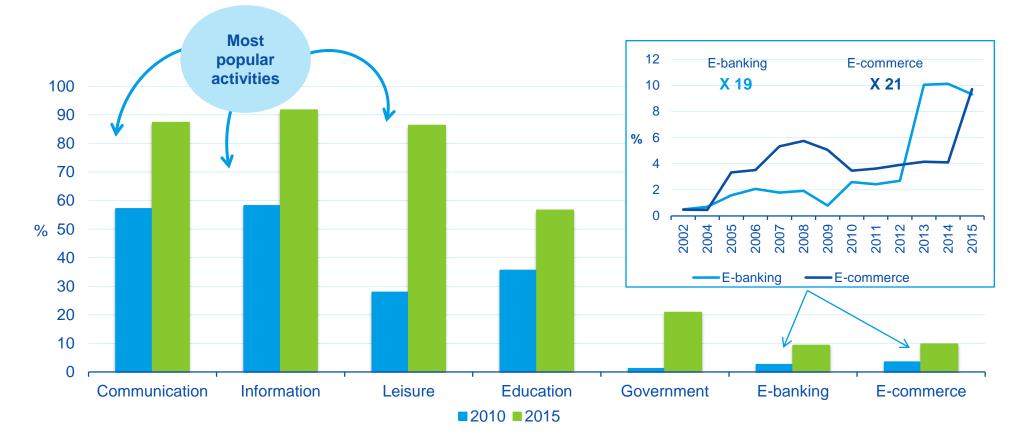
### 2.4. Places for Internet use



Home and schools gain weight



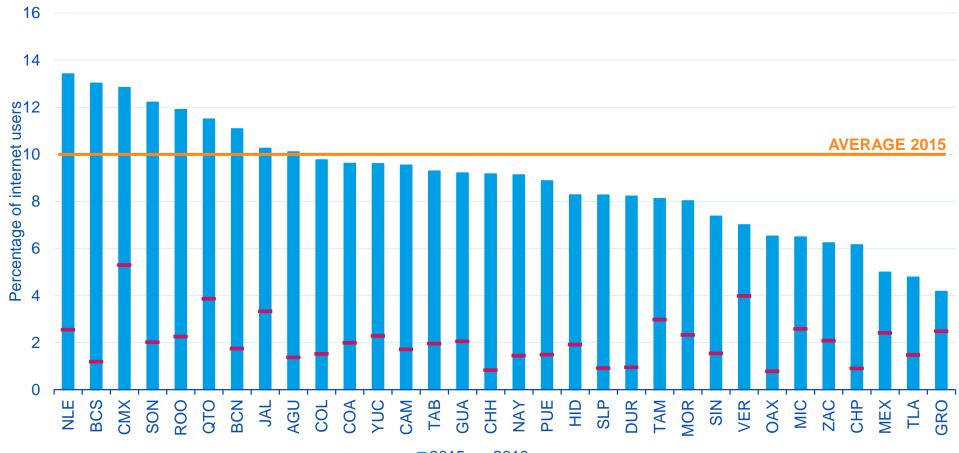
### 2.5. Internet activities: usages in last three months



E-banking and e-commerce emerge as one of the two main activities for internet use



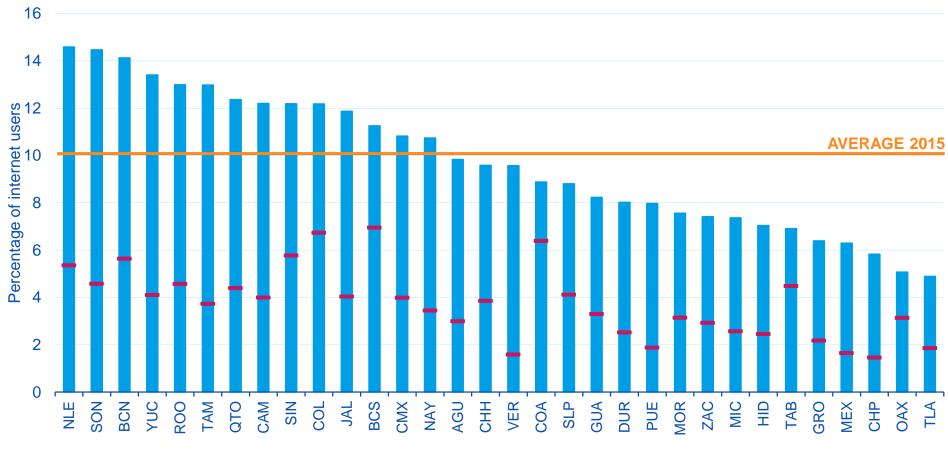
## 2.6. E-banking: Evolution of the states



2015 -2010



### 2.7. E-commerce: Evolution of the states



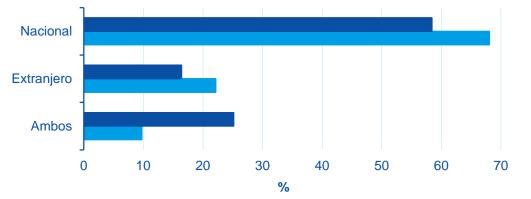
2015 -2010



## 2.8. E-commerce: Sellers and buyers



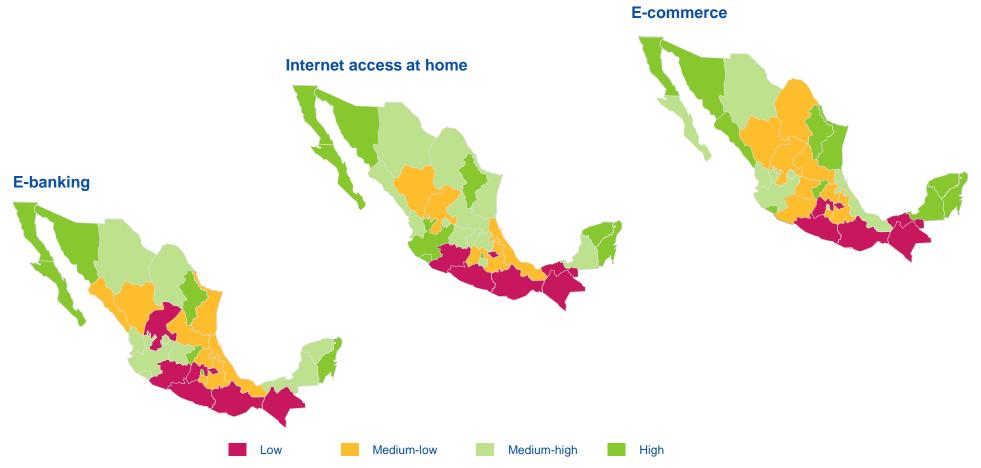
#### ¿Does the sellers origin matter?



Sellers origin is becoming less important when buying on internet



## 2.9. Geographical distribution in 2015



**Computer use** 

## 2.10. Population characteristics in 2015 (%)

Internet use

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Man Man **GENDER** Woman Woman 16-24 16-24 25-44 25-44 AGE 45-64 45-64 More than 65 More than 65 Primary Primary **EDUCATIONAL** Secundary Secundary LEVEL Tertiary Tertiary Occupied Occupied LABOR Student Student SITUATION Unemployed Unemployed 50 60 0 10 20 30 40 70 80 30 20 80 0 10 40 50 60 70

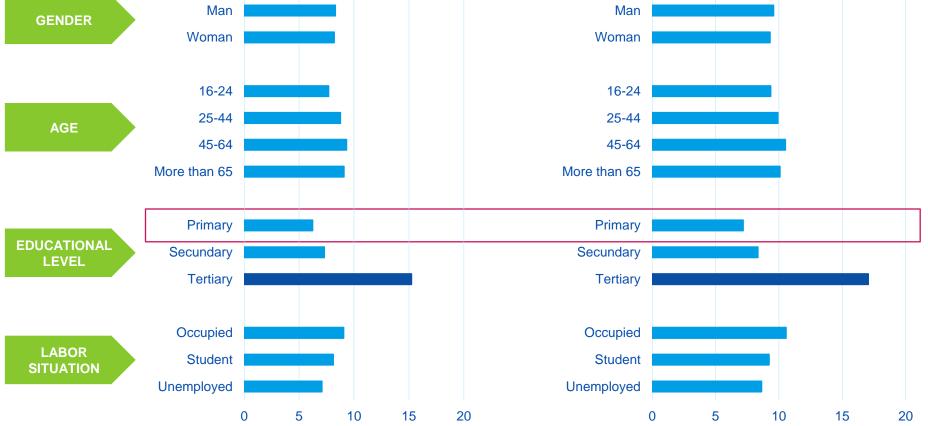
**E-commerce** 

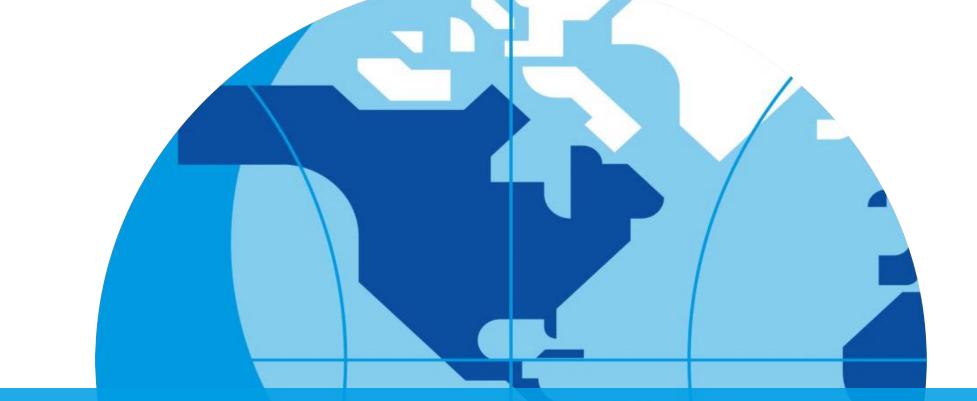
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## 2.10. Population characteristics (% of internet users, 2015)

E-banking





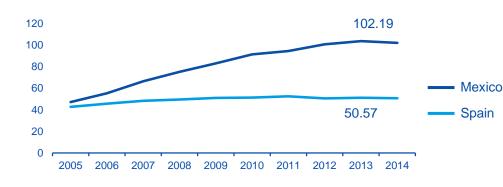
# Supply side

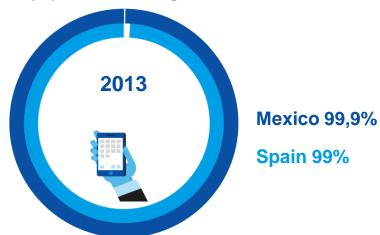
## 3.1. Mobile situation

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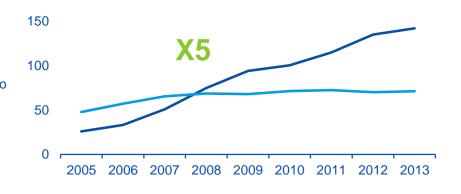
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#### Mobile-cellular telephone subscriptions (millions)





#### Domestic mobile-telephone traffic (billions of minutes)



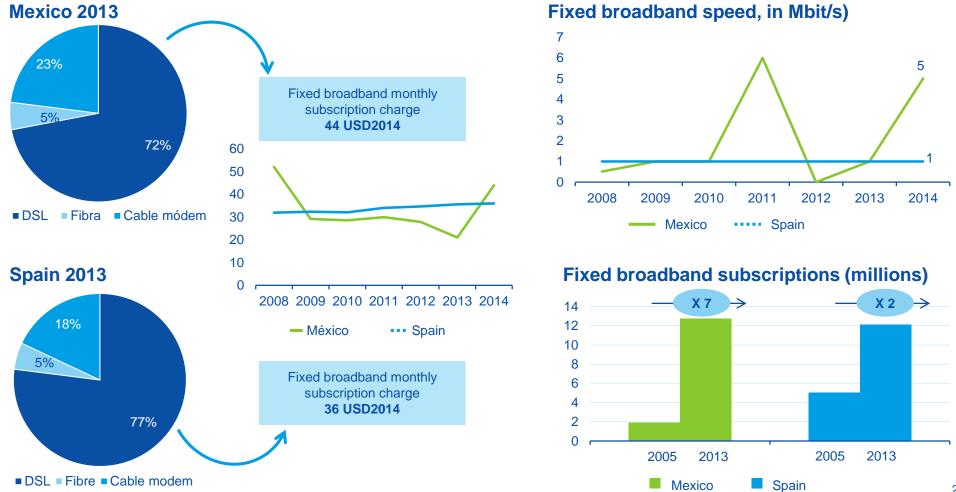


Mobile population coverage network

### 3.2. Fixed broadband by technology

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### 3.3. Wireless broadband

Total wireless broadband subscriptions (millions)

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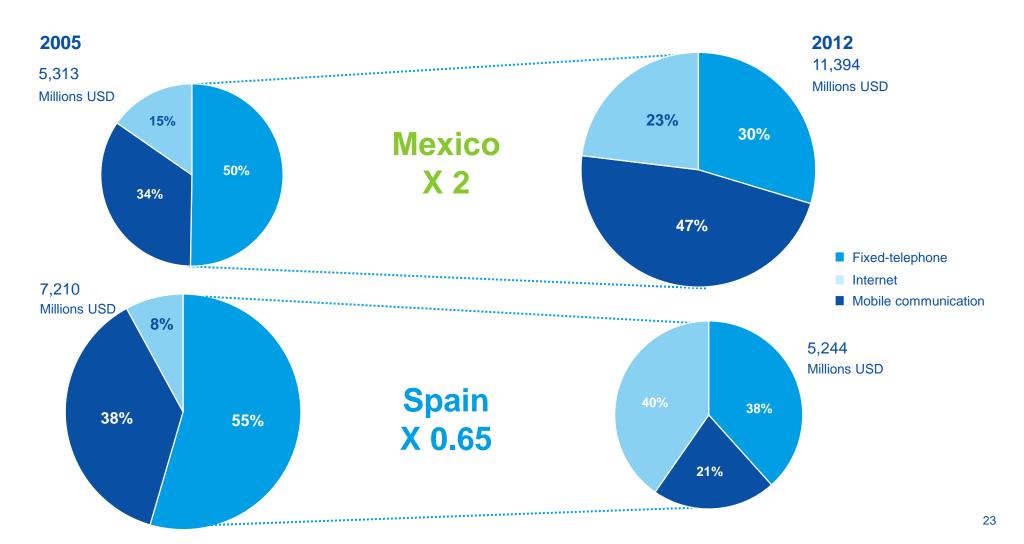
#### X 5 X 82 X 5 X 22 Mexico Spain Spain Mexico

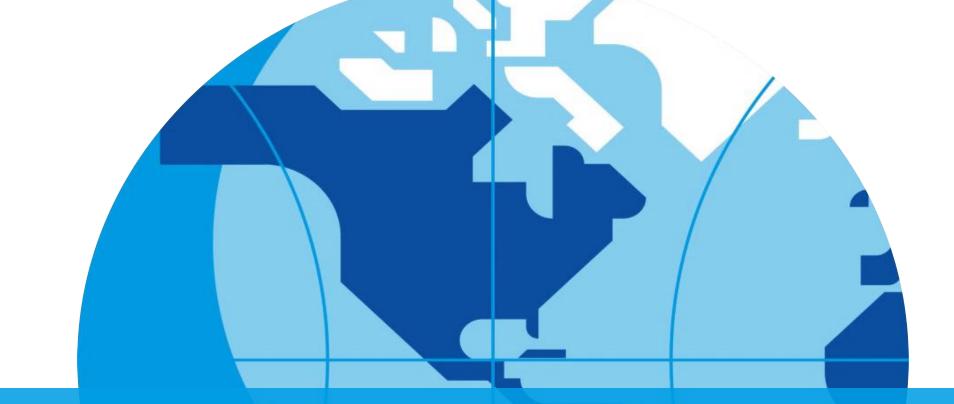
#### Mobile-broadband subscriptions (millions)

Significant growth in wireless broadband subscriptions, especially in mobile broadband

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## 3.4. Annual investment in telecommunication services



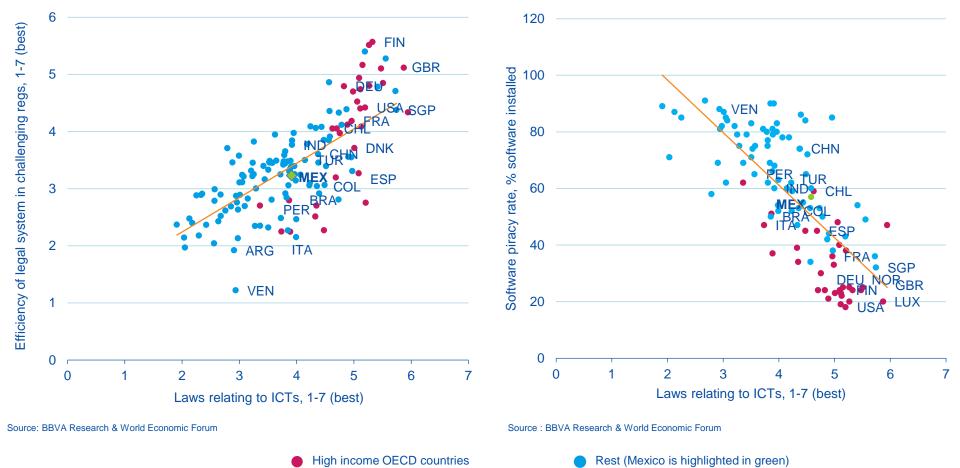


## **A Regulation side**

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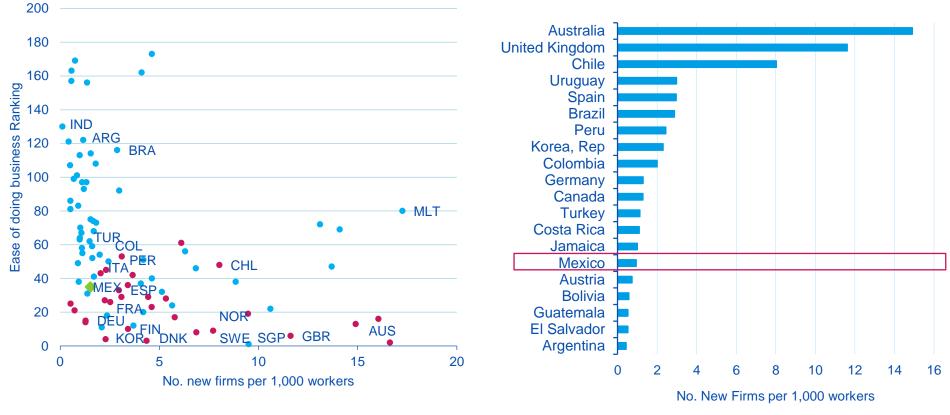
### 4.1. ICT laws: Relation with Efficiency and Piracy





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## 4.2. Ease of doing business & entrepreneurship



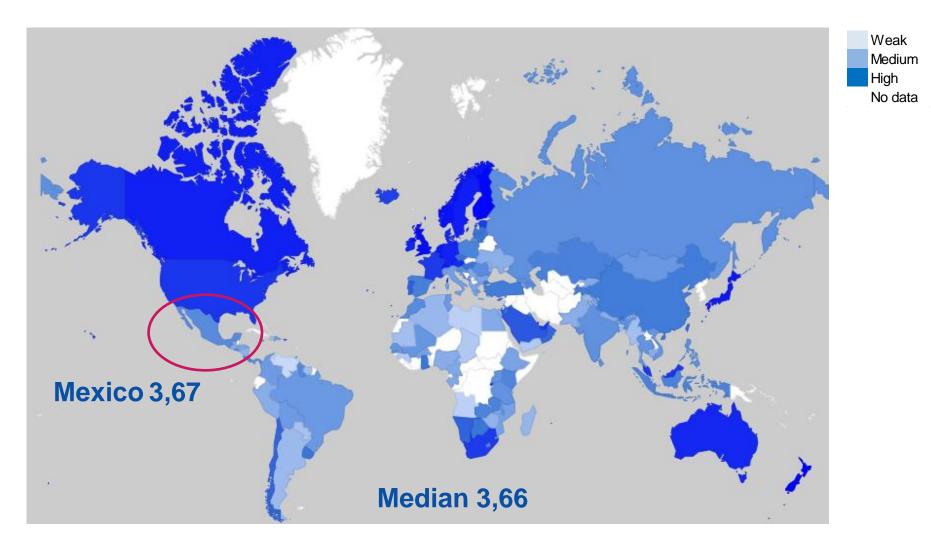
High income OECD countries

Rest (Mexico is highlighted in green)

Source: BBVA Research & Doing Business (World Bank Group)



## 4.3. Political and regulatory environment

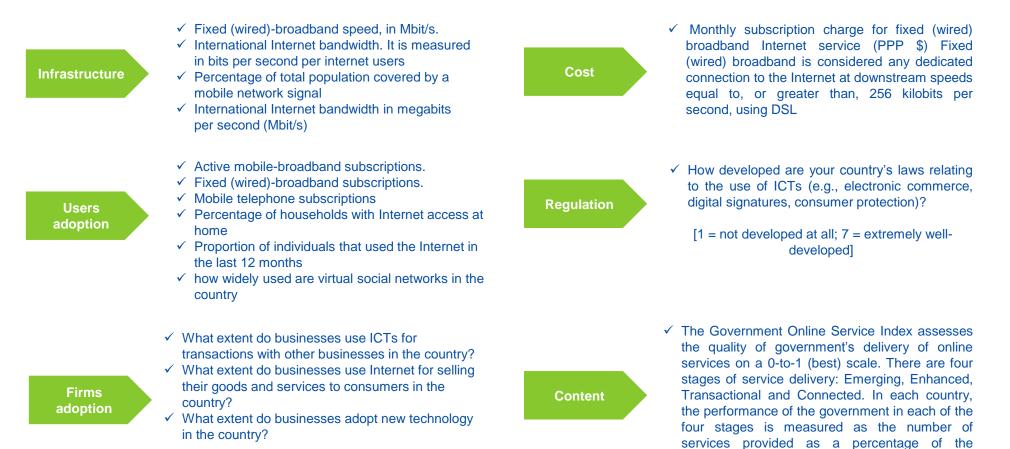




## 5 Appendices Data sources



## **Composition of the Digitization Index**



[1 = not at all; 7 = to a great extent]

maximum services in the corresponding stage



## Source of data from the Demand Side: MODUTIH

Module on availability and use of information technologies in households (MODUTIH). The aim is to generate statistical information in order to determine the availability and use of ICTs in Mexico

From 2015, MODUTIH information with the 2001-2014 series is no longer updated, it stops being a module to become an independent project. The National Institute of Statistics and Geography (INEGI) gathers the information in collaboration with the Secretariat of Communications and Transportation (SCT) and the Federal Telecommunications Institute (IFT) since 2015



### Source of data from the Supply Side: World Telecommunication/ICT Indicators database (ITU, 2015)

The World Telecommunication/ICT Indicators database contains time series data for the years 1960, 1965, 1970 and annually from 1975 to 2014. These data are available for over 200 economies, however the availability of data for the different indicators and years can vary

The data are collected from an annual questionnaire sent to official economy contacts, usually the regulatory authority or the ministry in charge of telecommunication and ICT. Additional data are obtained from reports provided by telecommunication ministries, regulators and operators and from ITU staff reports



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## 2016

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