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Digital Context Chile



Outline

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



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Overview

- Chile's digital status is similar to some developed countries, such as Spain and Luxembourg
- Increasing number of people are using internet and with higher frequency
- Mobile devices are gaining momentum to access internet
- **High cost** is the main barrier to access internet for the 48% of households without internet, particularly for **younger** ones
- Older individuals cite lack of skills and lack of necessity as the main barriers for internet use
- Number of mobile broadband subscriptions have increased 4 times
- Around 60% of the investment in telecommunication services is dedicated to mobile communications
- ICT-related laws have a positive relationship with legal system efficiency and negative with piracy rate





Scenario: Digitization Index

1.1. Structural digitization Index in 2015

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

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1.2. Structural digitization Index in 2015: By dimension

Affordability **ICT Regulation** 1.00 1.00 GBR TUR MEX 0.75 0.75 CHL CHL 0.50 0.50 MEX 0.25 0.25 0.00 0.00

Infrastructure











GP

Content





Demand side

2.1. Computer and internet: Access at home and usage

TIC access and internet use

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Internet use frequency (%)



Higher growth in mobile phone access than computer



2.2. Internet access at home: Evolution across states





2.3. Internet access barriers at home



Households without internet access in 2013





2.4. Places for Internet use







E-banking and e-commerce increase their share among internet activities

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2.6. E-banking: Evolution across states



2013 - 2011



2.7. E-commerce: Evolution across states



2.8. Geographical distribution in 2013: usage in the last year

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There is heterogeneity within the country in terms of internet use, e-banking and e-commerce. However differences across regions are minor

2.9. Population characteristics: Internet use (%)

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E-commerce

2.10. Population characteristics in 2013 (%)

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E-banking GENDER Female Female Male Male Unemployed Unemployed Occupied Occupied **EMPLOYMENT** Student Student Tertiary Tertiary Secondary Secondary **EDUCATION** Primary Primary No studies No studies 65 + 65 + 45-64 45-64 AGE 25-44 25-44 16-24 16-24 Quintile 5 Quintile 5 Quintile 4 Quintile 4 Quintile 3 Quintile 3 INCOME Quintile 2 Quintile 2 Quintile 1 Quintile 1 0 10 20 30 40 50 60 0 10 20 30 40 50



3 Supply side

3.1. Mobile situation

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Mobile population Coverage

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Tariffs: Mobile-cellular prepaid-1 min call (USD)



3.2. Fixed broadband

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Fixed broadband subscriptions (millions)



3.3. Wireless broadband

Total wireless broadband subscriptions (millions)

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Mobile-broadband subscriptions (millions)



Chile

Spain

Note: numbers inside the bars show nº subscriptions per 100 inhabitants



3.4. Annual investment in telecommunication services





- Regulation side

4.1. ICT laws: Relation with Efficiency and Piracy

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High income OECD countries (Chile is highlighted in green)

Rest



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4.2. Ease of doing business & entrepreneurship



Source: Doing Business (World Bank Group)

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

- High income OECD countries (Chile is highlighted in green)
 - Rest



4.3. Political and regulatory environment







O Appendices





Monthly subscription charge for fixed (wired) broadband Internet service (PPP \$) Fixed (wired) broadband is considered any dedicated connection to the Internet at downstream speeds equal to, or greater than, 256 kilobits per second, using DSL.

✓ How developed are your country's laws relating to the use of ICTs (e.g., electronic commerce, digital signatures, consumer protection)?

[1 = not developed at all; 7 = extremely well-developed]

What extent do businesses use ICTs for transactions with other businesses in the country?

Firms adoption

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 ✓ What extent do businesses use Internet for selling their goods and services to consumers in the country?
✓ What extent do businesses adopt new technology in the country?

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



✓ The Government Online Service Index assesses the quality of government's delivery of online services on a 0-to-1 (best) scale. There are four stages of service delivery: Emerging, Enhanced, Transactional and Connected. In each country, the performance of the government in each of the four stages is measured as the number of services provided as a percentage of the maximum services in the corresponding stage.



Source of data from the Demand Side: CASEN

Survey carried out by the Government of Chile since 1985, with a biennial and triennial basis. The survey provides statistical information where it is possible to determine the availability and use of ICT in Chile

This survey is mandated by the Ministry of Planning and Cooperation (MIDEPLAN) and it is characterized by measuring the socioeconomic conditions of households in the country, in terms of access to health, education, work and to housing conditions. CASEN survey is also widely used by other ministries and public services for the design and evaluation of policies and programs

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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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