



Telecommunications Development Fund in CHILE

Enhancing Rural Connectivity

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General Facts



- Spanning more than 4,000 kilometers of coast from North to South.
- 341 communes in 13 regions
- 15 million inhabitants
- · 13% rural population
- Strong Macroeconomic Fundamentals
- Economy open to International
- Strongly taking steps into becoming a springboard for ICT in Latin America.
- Spanish Speaking Population



Networks along the Country



- Terrestrial Fiber Optic.
 Connecting 11 out of 13 regions with a minimum of 5.0 Gbps.
- Submarine Fiber Optic.
 Current Capacity: 82.5 Gbps.
- Mobile Telephony.
 Base Stations: 1.964.
- Fixed Telephony. Switching centers: 601
- Satellite.
- Capacity: 270 Mbps.
- Microwaves.
 Capacity: 140 Mbps.
 - Extensive Service Coverage



Connectivity Snapshots (Dec/04)

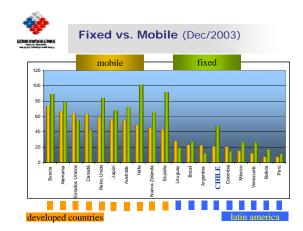
- 326.000 Dial Up Internet Connections
- 479.000 Broadband Internet Connections
- 9,6 Million Cell Phones (59.6%)
- 3,3 Million Phone Lines (20.7%)
- 82% Households covered by cell or fixed
- 41,2 Million Text Messages (a month)
- 800 Node NationWide InfoCenter Network
- . More than 300 WiFi Hotspots along the country



Investment in Telecoms

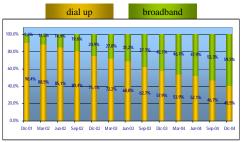
Million US Dollars 1,200 1,00

Investment has decreased but remains at high values.





Internet: Connection Composition



BroadBand is increasing faster than dial up!

State of State Con-

Universal Access

- In Chile there is no Universal Service obligation to any telecommunication service provider.
- Instead, Chilean Government since 1994 developed the Universal Access Policy.
- In 2001 the law was modified in order to include internet access and other services.



Telecommunications Development Fund

To promote telecommunications coverage in rural and low income urban areas, especially in distant or geographically isolated locations.



Telecommunications Development FundOperation

LEGAL FRAMEWORK

- General Telecommunications Law
- Telecommunications Development Fund Rules
- Budget Law of the Nation

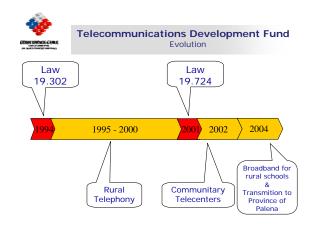
MANAGEMENT

• Telecommunications Development

Council

DUTIES

- Definition of criteria to assess projects.
- Establishing a Yearly Project Programme
- Awarding Subsidies
- Preparing and distributing the Annual Report

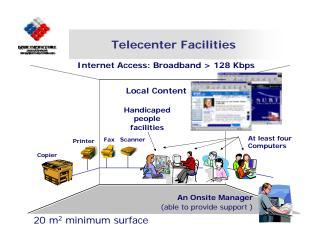






After Rural Telephony... A Law Reform (Law No 19.724)

- 10 More Years of Fund Operation
- Diversified Eligible Projects to:
 - TeleCenters ("InfoCenters")
 - Sound and Television Broadcasting, and
 - Other Telecommunication Services
- More Community engagement through City Councils (municipalities)





TeleCenters' Information Resources

- Access (TrámiteFácil; Chilecompras; SII; etc)
- Trade Announcements
- Job Opportunities
- Local/National News Services
- Information about Government Services and Aid Programmes
- Business and Trade Information (Indap, Sernac)
- Local Government Information
- Address Service







TeleCenter Objectives

- Giving access to ICT for most vulnerable and marginalized social groups.
- Diminishing information asymmetries
- Improving job opportunities
- Creating more participation opportunities
- Supporting people's creativity
- Strengthening social cohesion and economic integration



Success Factors

Commitment

From people, local authorities and local leaders

Local Content

Language, local reality identification, resources

Effective Onsite Manager

A facilitator, a cultural bridge, a transmitter

Training

To compensate for low educational stds, disability issues

Promotion

In the rural context, media available (radio)



Critical Success Factors

Demand

Forecast: volume and uses

Management

Budget balance, financial support

Competition

Rate of "death telecenters" versus new entrepreneurs

Right Incentives

Operators evaluation: one day income versus income flow

Operator Commitment

Insurance, financial guaranties, etc



TeleCenter Contest



First Contest (February)

Telecenters partipating: 102 (Regions IV to X)

Awarded: 83

Subsidies: USD 1.3 millions

Second contest (June)

Telecenters partipating: 253 (Regions I to XII)

Awarded: 211

Subsidies: USD 3.3 millions

Backbone Project: Palena Province

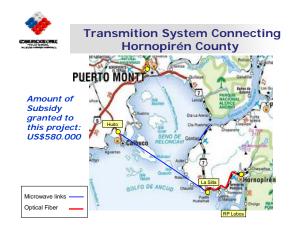


Objective



To establish better quality and wider capacity transmission system that allows the development of all different telecommunication services, in Palena, Futaleufú and Hornopirén, at accessible price for people living there.

Palena, Futaleufú, Hornopirén





Transmition Systems to Futaleufú and Palena CHAITEN PARSO PUTALENTE PARSO PUTALENTE PARSO PUTALENTE PARSO PARSO

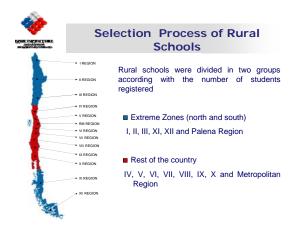


Broadband Access to Internet: Rural Schools



Objective

To provide High-speed Internet connectivity to rural schools for free during a period of three years





Selection Process of Rural Schools

- Internet penetration of the locality is between 0% y 3%
- Participation in the "Proyecto Enlaces", developed by the Education Ministry, at least from 2004.
- More than 10 students registered in the Extreme Zones schools or

More than 100 students registered in the rest of the country schools



Contest Results

REGIÓN	PROJECT	SUCCESSFUL BIDDER	SUBSIDIES (US\$)	SCHOOL NUMBER
	2004-14	ITACA S.A.	300.000	32
Ш	2004-15	ITACA S.A.	164.039	15
	2004-16	ITACA S.A.	210.184	25
IV	2004-17	ITACA S.A.	228.897	21
V	2004-18	ITACA S.A.	103.300	10
VI	2004-19	ITACA S.A.	396.359	37
VII	2004-20	ITACA S.A.	961.543	91
VIII	2004-21	ITACA S.A.	1.025.226	95
IX	2004-22	ELECTRONET S.A.	1.418.182	137
X	2004-23	ITACA S.A.	1.328.384	124
XI	2004-24	ITACA S.A.	290.909	28
XII	2004-12	ITACA S.A.	13.636	2
RM	2004-25	ITACA S.A.	177.670	13
PALENA	2004-26	ITACA S.A.	347.273	37



Expected Benefits

- √ 108.716 students along the country will have broadband Internet access.
- √ 667 Rural Schools will not pay for this service for three years
- ✓ Possibility to use this capacity for social purposes too.
- ✓ Public Investment = US\$ 6.95 millions
- ✓ Private Investment = 30% of the public investment aprox. (US\$ 2.09 millions)





TOTAL

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