



TOGETHER
for a sustainable future

OCCASION

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latin american newsletters
conferences



the internet in latin america: investigating the boom

*11 and 12 October 2000
The Conference Forum, London E1 8DX, England*

**information technology – a government
strategy approach**

paper presented by:

jorge berrizbeitia
president, national information technology centre (cnti)



República Bolivariana de Venezuela



The Internet in Latin America: Investigating the Boom

Information Technology A government strategy approach

October 11th and 12th, 2000
The Conference Forum, The Marsh Centre, London



Venezuelan Internet Situation

Internet Home Access Penetration: 4.1 %

Internet Users Communities: 452,000 users

Number of Computers: 982,000

✓ 85 % Business

✓ 10 % Education

✓ 5 % Home

Internet Connection: 284,000 (29%)

Annual Growing: 17 % 

Source: Cávacom-e, IDC 1999

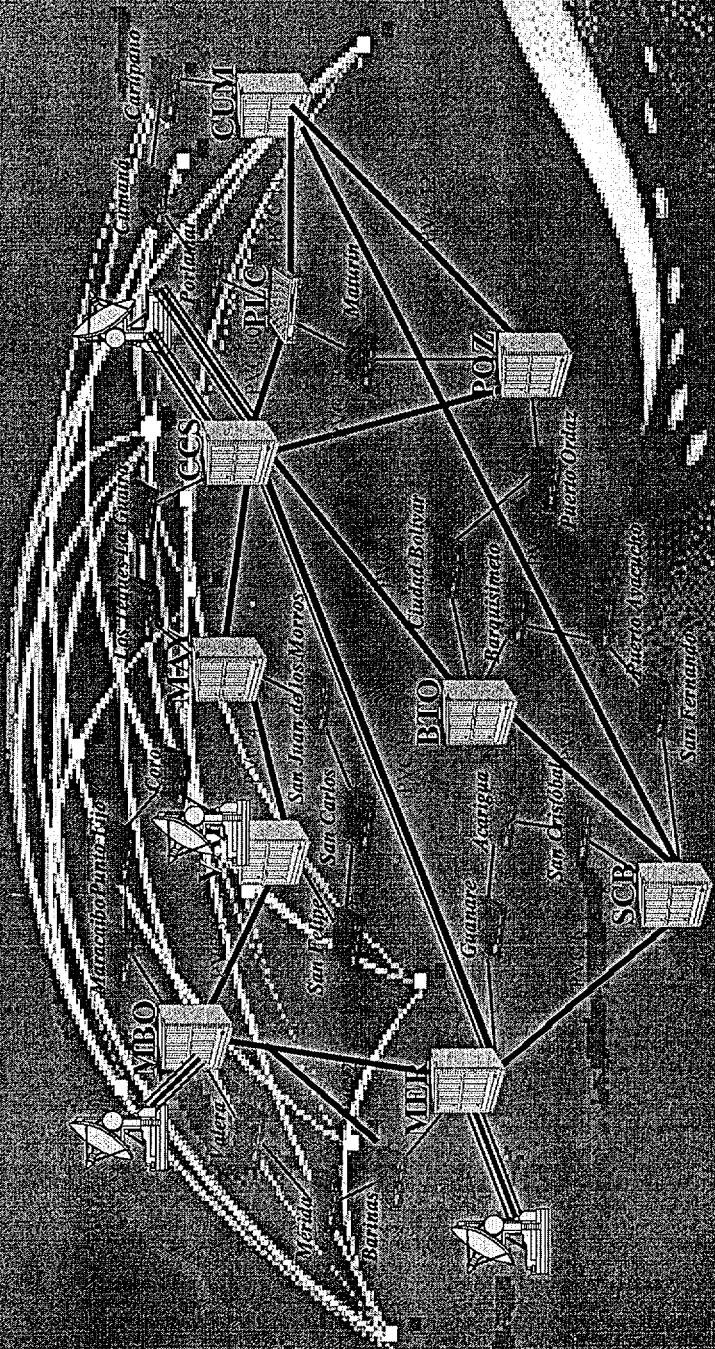


Computers Statistics

| Size | Quantities | PCs | Servers |
|--------------------|------------|---------|---------|
| Bussiness | 185.195 | 837.719 | 27.189 |
| Corporations | 21 | 129.577 | 4.446 |
| Big | 140 | 73.946 | 2.164 |
| Medium | 1.200 | 183.314 | 5.341 |
| Small | 183.834 | 450.882 | 15.238 |
| Schools | 22.797 | 103.616 | 2.742 |
| Individuals | | 40.663 | |
| Students | | 4.344 | |
| Home | | 36.319 | |
| TOTALS | 207.992 | 981.998 | 29.931 |



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Research and Educational Network
 Privates Networks
 Public Telephony = Main Backbone
 Cellular Companies
 Military Network

VENEZUELA

November, 2000
 Telecommunications Openings
 The End of the Monopoly



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Venezuelan Government Information Technologies



www.mct.gov.ve

Inside the Government

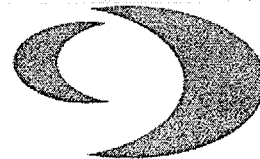
- ✓ Policies
- ✓ Consultants
- ✓ Cooperation
- ✓ Research
- ✓ Innovation
- ✓ Human resources



Towards Society

- ✓ Promotion
- ✓ Projects
- ✓ Social Participations
- ✓ Process Facilitator

www.cnti.ve



National Center of
Information Technology



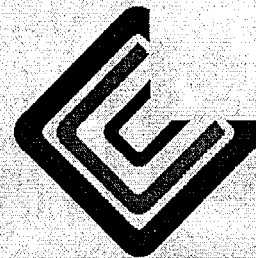
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Venezuelan Government Telecommunications



www.conatel.gov.ve



CONATEL

REPÚBLICA BOLIVARIANA DE VENEZUELA
MINISTERIO DE INFRAESTRUCTURA
COMISIÓN NACIONAL DE TELECOMUNICACIONES

National
Telecommunication
Commission

- Towards Society
- ✓ Regulator
- ✓ Promotion
- ✓ Social Participations
- ✓ Process Facilitator



IT development basis

Sustainable Projects Delivered to Society

**Private Sector
Government**

Projects

Alliances

**Civil, Academic &
Research Community**

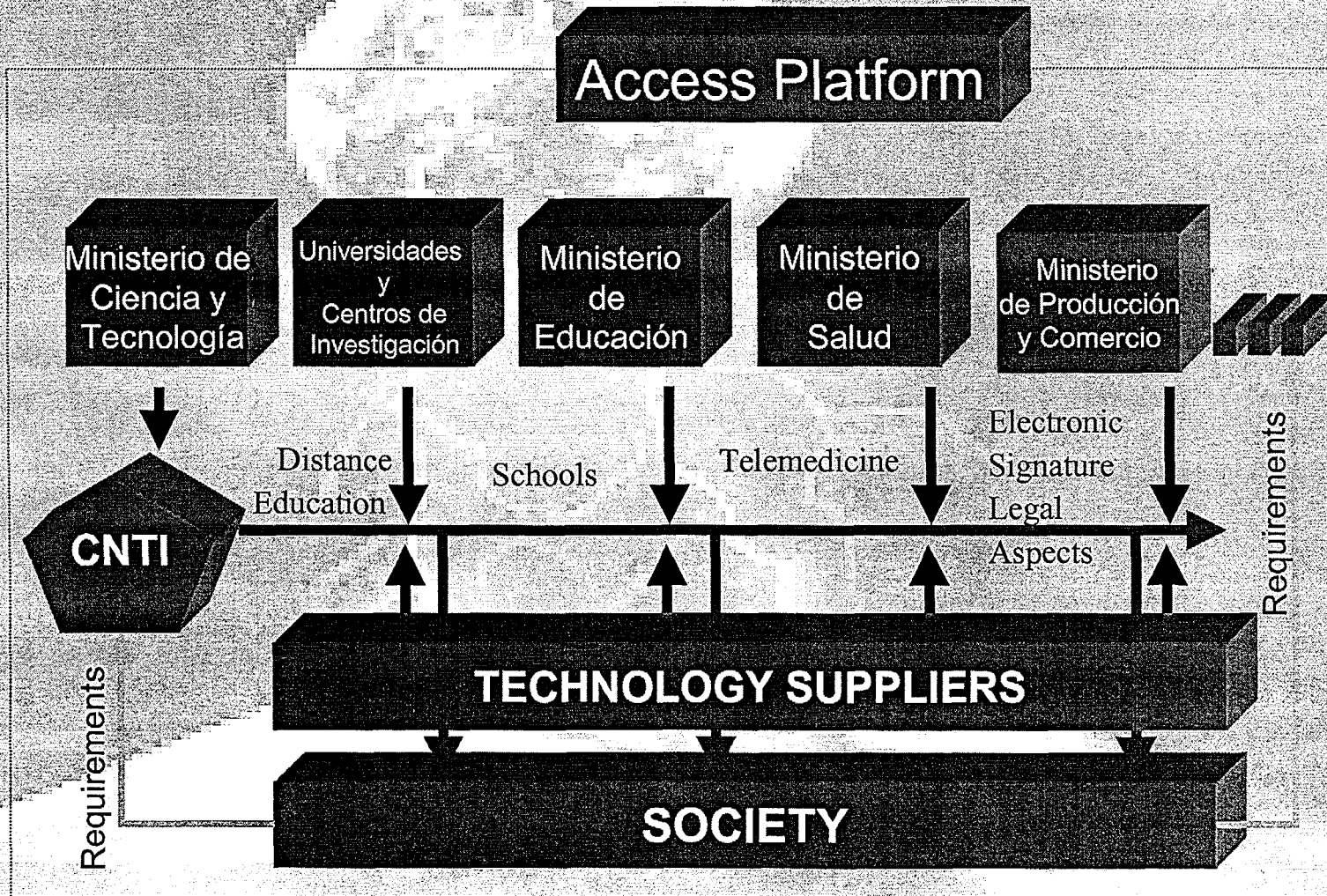
National Contents

Knowledge Society

Democratization of Connectivity

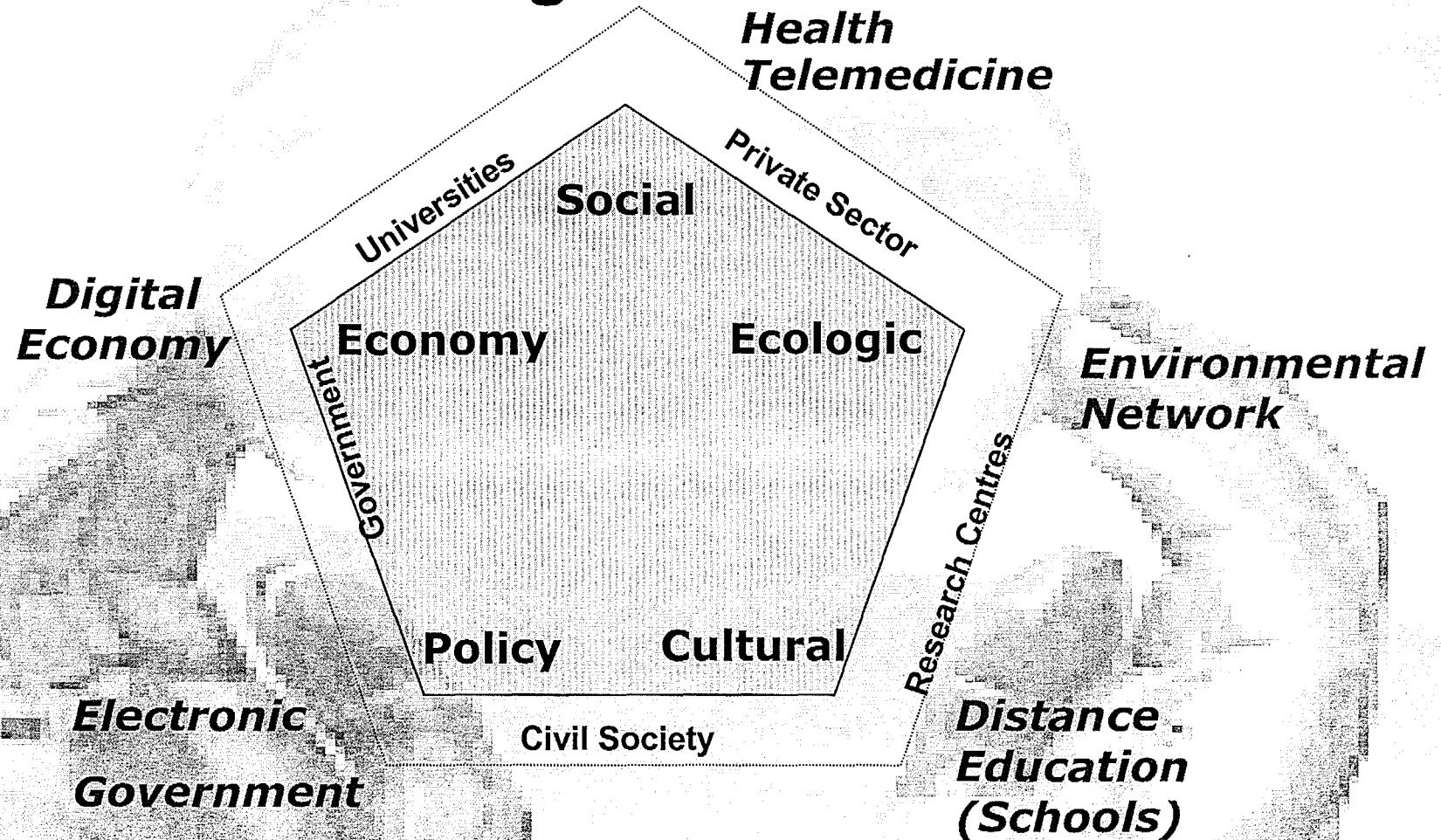


Operational Model





Strategist Areas





Our Key Issues

Public and Private Investment

Policies on Information Technology - Internet's Decree - IT Plan
Government Commitment and Obligation

e-Government
Intranet, Portals and
Online Services

Knowledge Networks:
Education, Health, S&T,
Environmental

Digital Economy: Electronic Signature
IT incubator entrepreneurs
Knowledge Networks of Commerce.

Access Platform (Back Bone) - Telecommunication's Law
Information Centers for Internet Public Access

Searching the Knowledge Society through an On-Line Society



Some of our projects

- ✓ **Infocentros Network: more than 540 installed for the next year on public libraries, schools, and communities centers.**
- ✓ **Information Technology on Education.**
Contends for basic & media schools.
(Participating on International program)
- ✓ **Distance Education: for Technicians, universities...**
- ✓ **Knowledge Networks: Education, Health, Commerce, S&T**
- ✓ **Government Portals, Intranets & On line services**
- ✓ **Information Technologies Enterprise (.COM) Incubator**
- ✓ **LACTIC 2000 Latin-American & Caribbean IT Event**



Policies and Legal Bases

- ✓ Simplification Law of Administrative procedures
- ✓ Telecommunications law (Aperture Nov,2000)
- ✓ Internet Decree. State Policy.
- ✓ National Plan of Information Technology
- ✓ Science & Technology Law (Project)
- ✓ Information Technology Decree Electronic Documents & Signature Law (Project)
- ✓ Decree of Information Technologies Policies (Project)



National Plan of Information Technology

- ✓ Develop and consolidate a National System of Information Technology to contribute the forming of human resources and the quality of life for all the citizens.
- ✓ Create a solid base of ITC human resources.
- ✓ Accelerate the Government modernization through the use of ITC and to facility the communications between the government itself and between the government and the rest of the society, increasing the quality of public services.
- ✓ Promote the ITC into the Society, mainly on the productive sector to increase its productivity and competitively over the new digital global economy.



e-Government

- ✓ Internet Decree
- ✓ Government Portals, Intranet & On line services
- ✓ LACTIC 2000 Latin-American & Caribbean IT Event

“Promover una administración más eficiente, eficaz y transparente por parte de los gobiernos a todo nivel, mediante el ofrecimiento en línea de información a los ciudadanos, mecanismos de control de gestión, servicios, trámites y contratación estatal de bienes y servicios a través de las redes digitales;”

DECLARACION DE FLORIANÓPOLIS
20-21 de junio de 2000



Internet Decree

- **The access and the use of the Internet as a public priority.**
- **Include the Internet on the Government Plans.**
- **Preferential treatment to the Internet in the process and services of information interchange.**
- **Promote and divulge information referred to the use of the Internet.**
- **Include the Internet on the supporting plan for educator.**
- **Plans to assign schools and libraries with Internet Access.**
- **Educational contents for Basic & Media Education on the Net.**
- **Politics to promote and increase the use of the Internet and facilitate their access to the citizen.**
- **Promote the development of the academic, scientific and cultural contents on the Net. Focus on Knowledge Society and Information Technology development.**



Education

- ✓ **Infocentros Network:** more than 540 installed for the next year on public libraries, schools, and communities centers.
- ✓ **Information Technology on Education.**
Contentends for basic & media schools.
Teachers training and support. (Participating on International program)
- ✓ **Distance Education:** A program to form technicians, and post-grade professionals.
- ✓ **Knowledge Networks:** Communities that shares information on Education, Health, Commerce, Science & Technology
- ✓ **.5% of the Telecommunication gross Income for Research and Education**

*“Technologies will not substitute Education but, ...
Educators that use technologies substitutes those who do not use it...”*



Infocentros

Communitarian spaces to promote and use the new technologies that helps the citizens contribute for the nation development.

Alliance with regional governments and public libraries

Contends

- Learning services
- Information and mailing
- E-government
- E-commerce
- Internet Browsing
- Multimedia readings
- Knowledge networks Access: Education, Health, Commerce, S&T



Digital Economy

- ✓ **Knowledge Networks on Commerce and Production**
- ✓ **Infocentros Network: Citizens access to eCommerce**
- ✓ **Information Technologies Enterprise Incubator**
Virtual Communities for Open Source Developers.
Entrepreneurs of .COM initiatives since the REN
- ✓ **Incentive the Software production for export.**
(Production and Commerce Ministry and IT Chamber)
- ✓ **Electronic Signatures and Documents**
- ✓ **1% of the Telecommunication Gross Income for Universal Access**
“...All the citizens must have access to the Internet Service.” Telecommunication Law



Electronic documents & signatures law *

- ✓ Validation to the use of Electronic signatures and documents
- ✓ Certification Authorities Network
 - Private
 - Public (Government)
- ✓ Certification Authorities Superintendence
 - Register, Normalizations y Government Vigilance.
- ✓ Relations with International Authorities

* Developed in conjunction with Venezuelan Chamber of Electronic Commerce and American Venezuelan Chamber and Production and Commerce Ministry



República Bolivariana de Venezuela



LACTIC 2000

First Latin-American y del Caribbean Information
Technologies

November 9 - 10

Margarita Island, Venezuela

Objective: to identify common regional necessities
that permits to formulate joint projects

Focuses on: Education, Health & Commerce



Our Next 3 Years Goals

- √ Increase the Internet penetration from 4% to 20%.
- √ Internet connection for 3.000 Schools.
- √ Build a health network that interconnect the 50% of health centers.
- √ Connect the 90% of Public Libraries.
- √ Increase the national content in 500%.
- √ Increase in 80% the IT human resources.
- √ Establish a culture of IT in the society.
- √ Establish the digital economy.
- √ Venezuelan REN will be part of the Internet² network to strengthen and coordinate the IT research network in Venezuela.



Venezuela supports international declarations

“The Latin-American and Caribbean countries seeking their integration as members of the information society with efficiency, equity and sustainable, in a global economy based on knowledge.”

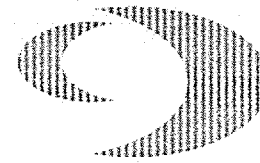
“The potential that such technologies involves into the social and political development of the countries in areas such as education, health, labor training, social marginal eradication, transparent public management and the achievement of a more open and democratic society.”



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Thanks You ...

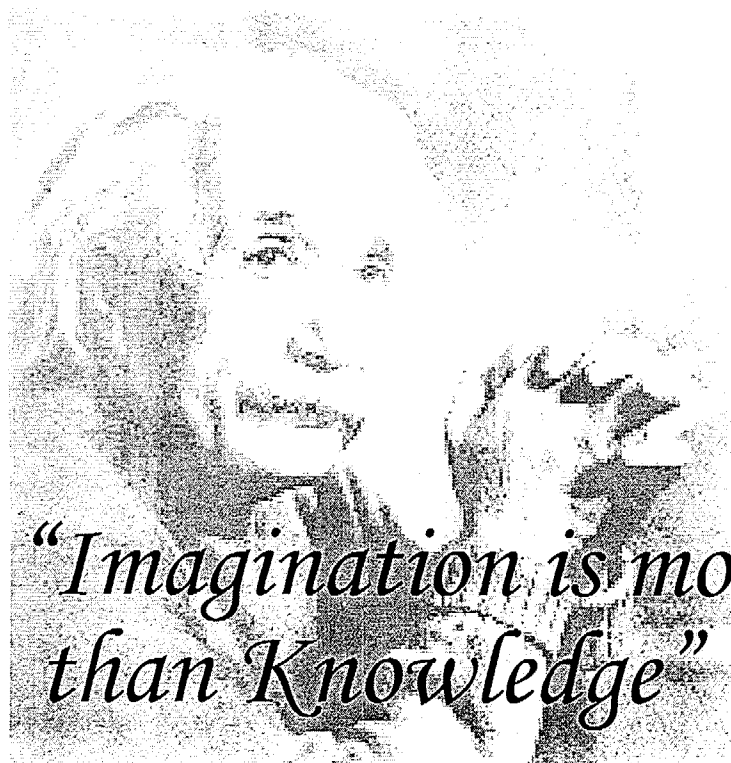


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*“Imagination is more important
than Knowledge”*

