

Microsoft® Research

Faculty Summit 2010

Guarujá, Brasil | May 12 – 14 | In collaboration with FAPESP

BUILDING THE FUTURE OF LATAM INFORMATION AND COMMUNICATION TECHNOLOGIES

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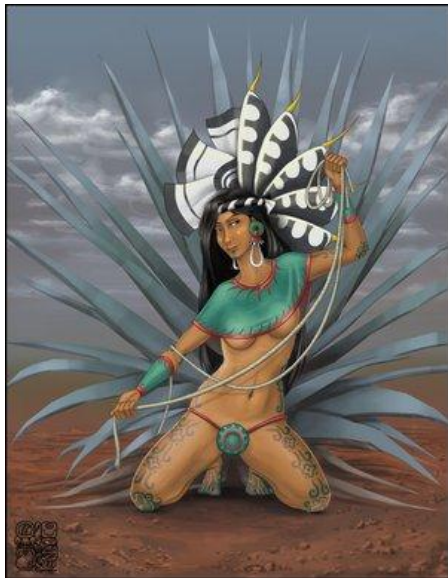
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THE BEAUTY AND THE BEAST

- Few language diversity, same background, similar history, similar social problems, similar requirements and expectations
- Why is it so difficult to empower LATAM as one integrated entity?



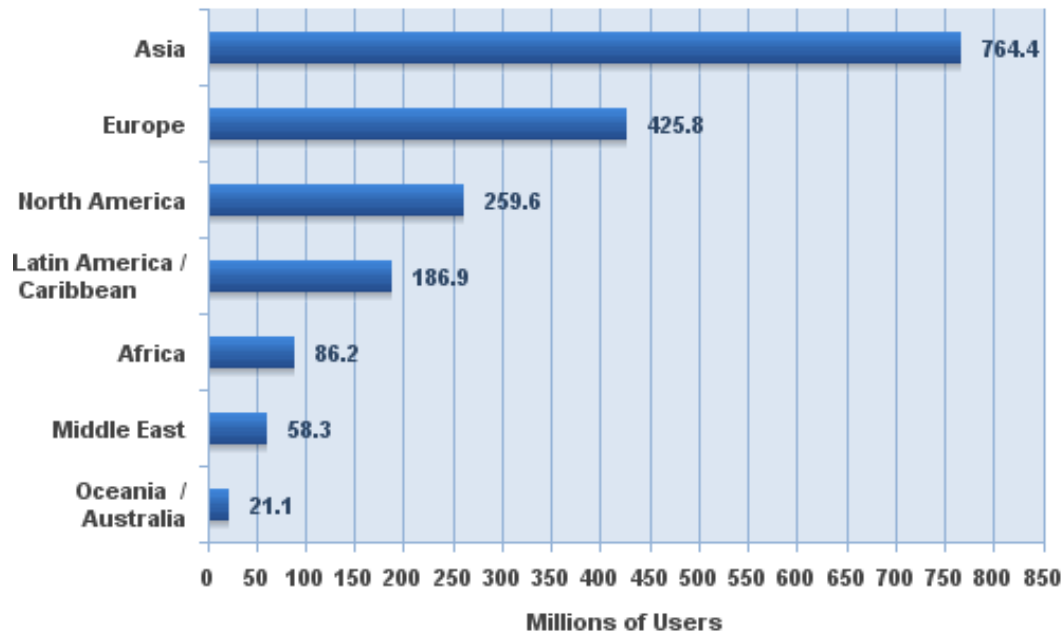
ICT GLOBAL MARKET

- ICT is an important and promising market
 - + 6,3 % en 2007, 5,5 % in 2008 and 5,2 % expected in 2009
 - Global amount of 2 238 millions of K€ in 2007, and 2 360,3 millions of K€ in 2008
- Software tools and services market represents 917 millions of K€



OPPORTUNITIES FOR LATAM

**Internet Users in the World
by Geographic Regions - 2009**

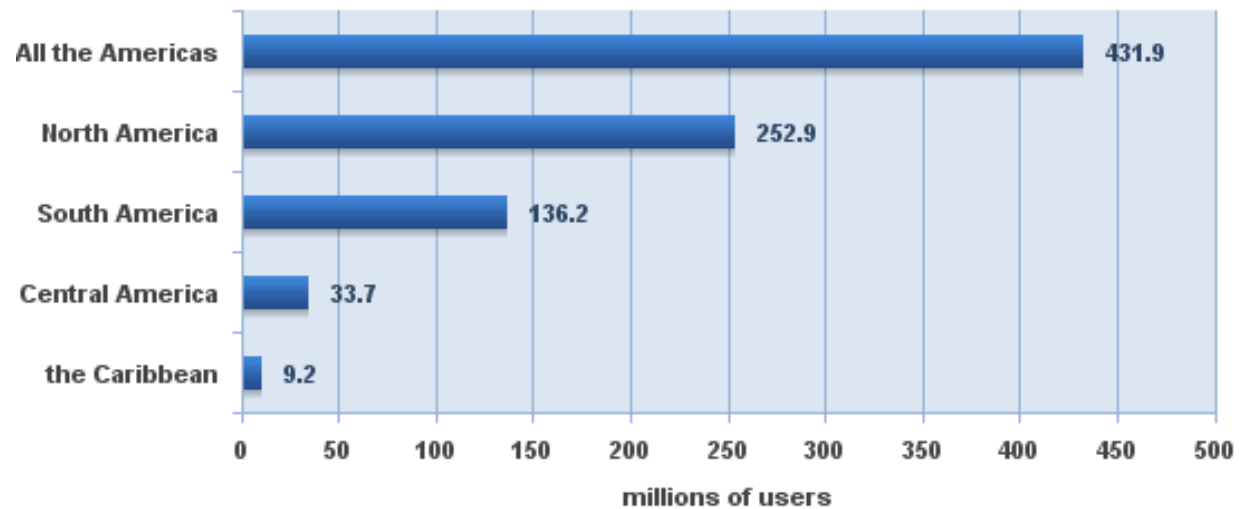


	POPULATION	INTERNET USERS	PENETRATIO N	GROWTH 2000-2009
LATAM AND CARIBBEAN	586,662,468	186,922,050	31.9%	934.5 %
ASIA	3,808,070,503	764,435,900	20.1 %	42.4 %
EUROPE	803,850,858	425,773,571	53.0 %	305.1 %
NORTH AMERICA	340,831,831	259,561,000	76.2 %	140.1 %

Source: Internet World Stats - www.internetworldstats.com/stats.htm
 Estimated Internet users are 1,802,330,457 for December 31, 2009
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OPPORTUNITIES OF LATAM

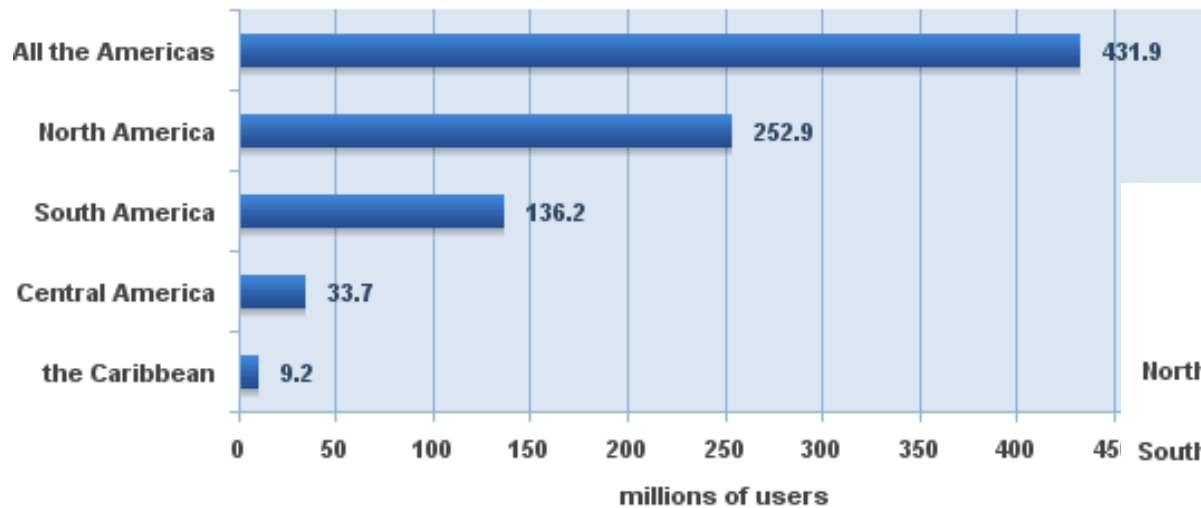
Internet Users in the Americas Geographical Distribution - 2009



Source: Internet World Stats - www.internetworldstats.com
446,483,050 estimated Internet users in the Americas for year-end 2009
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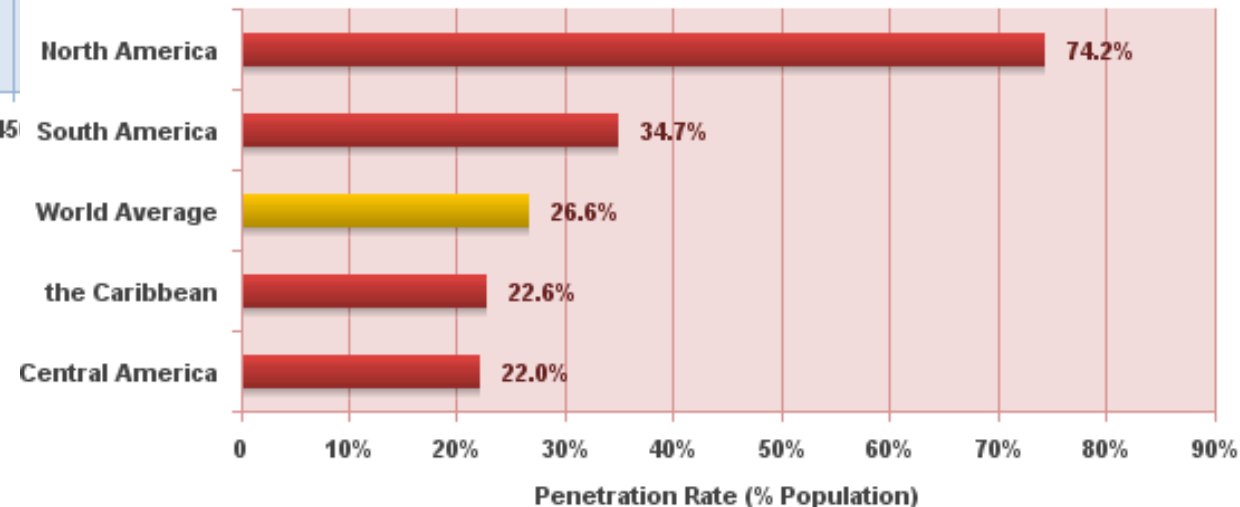
OPPORTUNITIES OF LATAM

Internet Users in the Americas Geographical Distribution - 2009



Source: Internet World Stats - www.internetworldstats.com
446,483,050 estimated Internet users in the Americas for year-end 2009
Copyright © 2010, Miniwatts Marketing Group

Internet Penetration Rate in the Americas 2009 Year-end



Source: Internet World Stats - www.internetworldstats.com
There are 446,483,050 estimated Internet users on Dec. 2009 in the Americas
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ICT GLOBAL MARKET

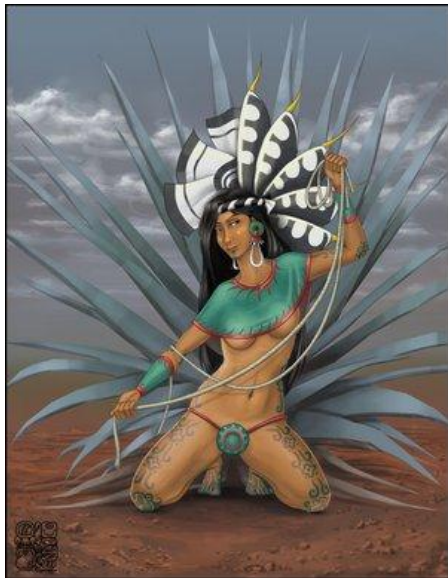
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THE BEAUTY AND THE BEAST

- Few language diversity, same background, similar history, similar social problems, requirements and expectations
- Why can't we empower LATAM as one integrated entity ?
- *Postmodern* vision: "minorities" are complex entities to be understood in their internal diversity
- Understand the beast and face it in its whole complexity: not few language diversity, regions with different economies, ecosystems and social realities

Guatemala (52,8%), Perú (35%), Ecuador (9,4%), Panamá (8,3%)



TOWARDS ICT AGENDA IN LATAM

Leitmotif: Computing resources at service of people

Education



Health



Government



Environment

Leisure



Economy



Security

According to the countries internal reality

- Technology is not an industry and economy activator in LATAM despite efforts and actions
- LATAM tends to buy pseudo-solutions from abroad

TOWARDS ICT AGENDA IN LATAM: MEXICAN EXAMPLE

MEXICO ICT RESEARCH CHALLENGES

- Relevant information for decision making
- ICT for biomedicine: empowering national health
- ICT and education in the XXI century
- Security and transparency in information and services
- Intelligent environments for addressing the problems of big cities
- Knowledge based services for citizens

RedTIC, REMIDEC, SMCC, SMIA

- *Provide a long term vision of ICT research*
- *Concrete evaluation criteria*
- *Ambitious but possible in the mid and long term*
- *Attractive and challenging for the community and motivating for society*
- *Address multidisciplinary problems*
- *Emerge from a consensus decision of the scientific community*
- *First workshop: 48 attended/61 invited scientists (3 working outside Mexico), 18 academic institutions*

METHODOLOGY AND IMPLEMENTATION

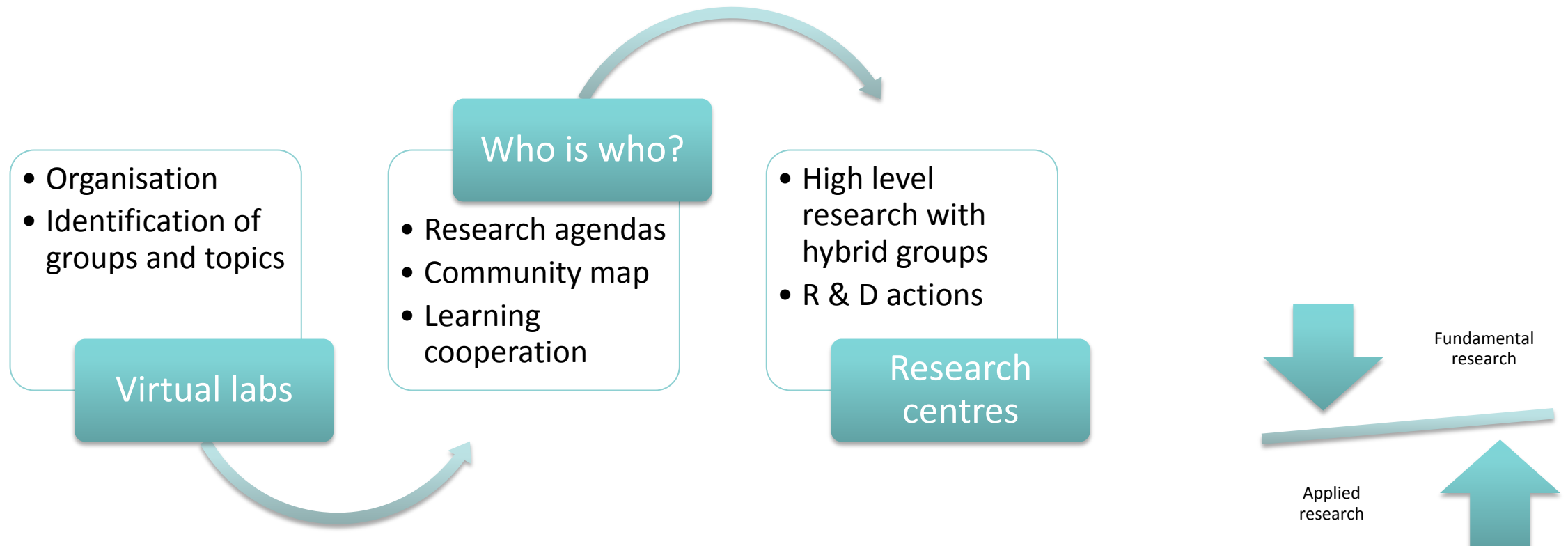
- CONACyT networks: contact people in the country that encourage and organize the community
 - RedTIC, <http://www.redtic-conacyt.mx>
 - See details Tomás Viveros García, CONACYT, panel in this summit
- Workshops and get-together meetings animated by networks
 - Challenges and research axes in ICT in Mexico
 - Network CFP: censusing groups, leaders and active(ist) scientists
 - **Concrete actions: seed projects, working groups, thematic schools**
- Aggressive international and industrial relationships actions
 - National global ICT gallery: research, international labs, projects, clusters
 - Extend the gallery to the LATAM region: showrooms in other regions English(Fr) speaking America, Europe (e.g., LATAM ICT – stand for ICT EU conference)
 - Contact with industrial ICT clusters in important regions like Guadalajara and Monterrey: workshops with invited observers such as the FP7 chancellors

LATAM RESEARCH LABS ON TICS: STEP FORWARD

PIONEER ACTIONS

OBSERVATION AND EXPERIMENTAL PHASE
(*COURTISAGE*)

PIONEER PHASE
(*FIANÇAILES, LONG LAST MARRIAGE*)



LATAM RESEARCH LABS ON TICS: STEP FORWARD

PIONEER ACTIONS

- Europe@LATAM: research units on research and development challenges
 - Research international units (CNRS, FR): Chile, Brazil, Argentina, Mexico
 - Programs: ECOS-LATAM, DAAD-LATAM under P2P actions, STICAMSUD groups, CyTED (ALICE), FP# (e.g., Euralinet)
 - Human resources: graduate fellowships, dual diploma actions, e.g., F-M doctoral school signed by CONACyT-ANUIES
- English(Fr)-speaking America@LATAM
 - MICROSOFT LABS LACCIR, LAB IN SAO PAULO: observatories, N-N projects
 - NSF and Canada programs

SCALE PRESENCE AND INTERNATIONAL QUALITY: LATAM R&D ACTIONS

Unbury the mirror (cf. El espejo enterrado, Carlos Fuentes)

- X-RAY of the region: real measures of the “intellectual” critical mass
 - PROJECT 1: Integrate databases of researchers and national and international projects
 - PROJECT 2: censusing TIC industry in the region → databases and regional clusters
- Contribute for triggering development and innovation, producing technology, **knowledge**
 - PROJECT 3: Propose a common ICT program inspired by the FP7 program calls
 - Regional bourses for developing regional challenges (capitalize actions like LACCIR)
 - Human resources: encourage brains actively contributing to the region development, LATAM doctoral common faculties

Thanks to ICT José Martí can catch the boat this time

Let us make his(our) dream come true!

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