



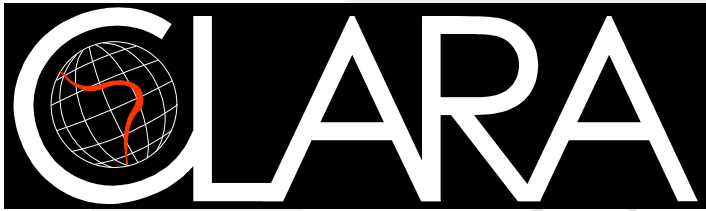
RedCLARA Status 2008

Carlos Casasús
Vice President of the Board
CLARA
April, 2008



ALICE Project

- Starts June 2003
- Intended to connect 18 Latin American Countries
- 4 European NRENs are project partners
- 12.5 Million Euros, 10 Million provided by EC thru @LIS, 2.5 provided by beneficiary countries
- Managed by DANTE
- Creation of CLARA, the organization of LA NREN's
 - 18 (100%) LA Countries
 - Legally established as a non-profit corporation in Uruguay
 - Management structure in place
- Establishment of RedCLARA
 - The Network
 - The Operations are carried out by CUDI in Mexico
 - The Engineering is subcontracted to RNP in Brazil
 - The Information Systems is subcontracted to REUNA in Chile



ALICE Results

- A Latin American Regional Network, RedCLARA, has been installed
- A Regional Organization, CLARA, has been created and is in charge of the continuity of RedCLARA
- 9 new NRENs were created in LA as a result of CLARA
- Multiple collaborative projects running in the network



The WHREN/LILA Project

- WHREN: Western Hemisphere Research and Education Network. Project funded by NSF, ANSP, Corporation for Education Network Initiatives in California (CENIC) and Florida International University (FIU).
- IRNC Project funded by NSF and leaded by FIU and CENIC in the US.
- LILA Links Interconnecting Latin America
- CLARA, CUDI, RNP, ANSP from Latin America
- Acquired IRU of Dark fiber Tijuana-San Diego. Running GbE on top of it. (to Pacific Wave)
- 2.4 Gbps Sao Paulo-Miami shared with CHEPREO & ANSP (to Atlantic Wave)



Red Clara Topology in 2007





EEC funding for CLARA ends in March 2008

- Need to optimize resources
- Take full advantage of WHREN and IRNC resources
- Install a POP in Miami



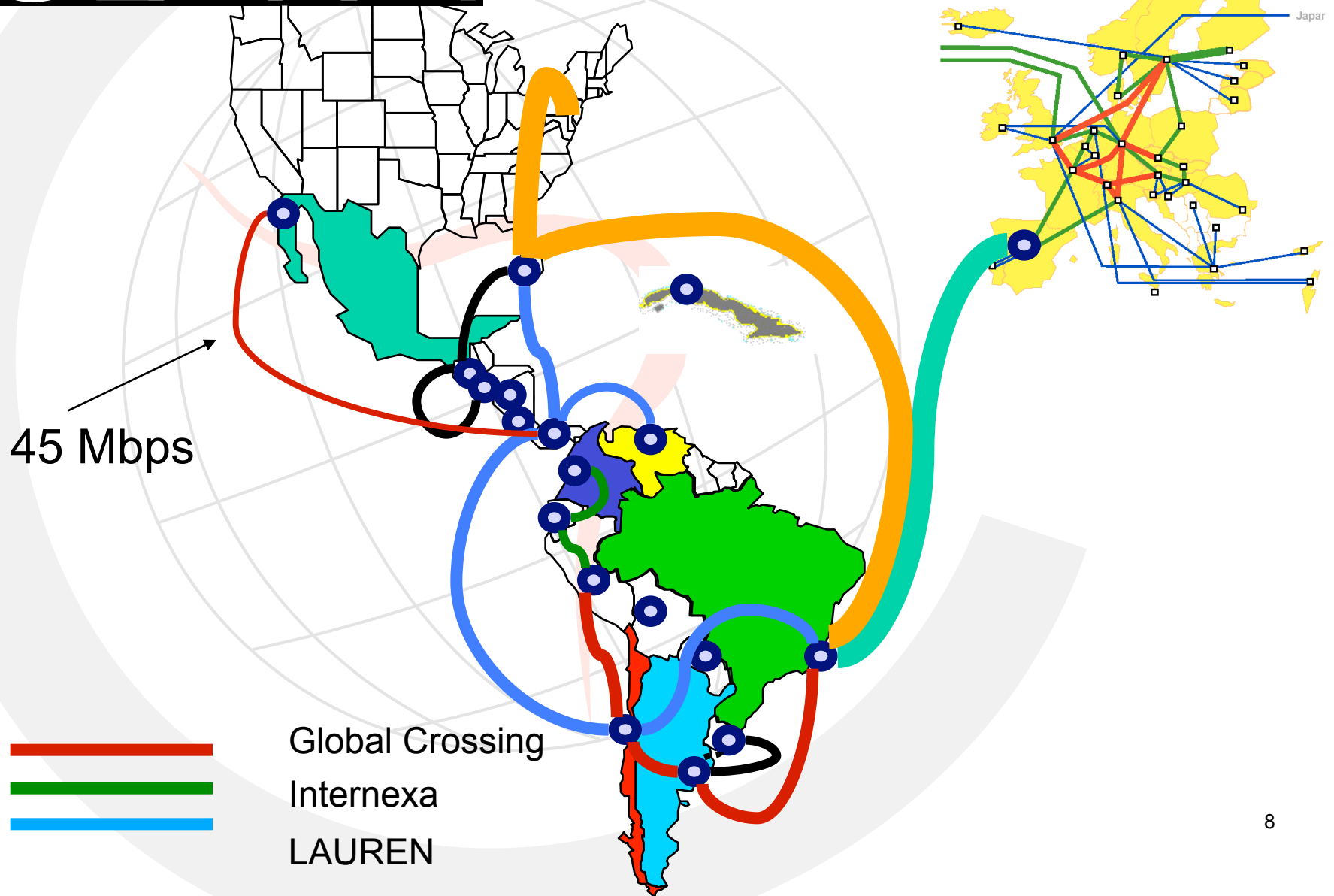
12 countries connected

Argentina
Brazil
Chile
Colombia
Ecuador
El Salvador

Guatemala
México
Panamá
Perú
Uruguay
Venezuela.



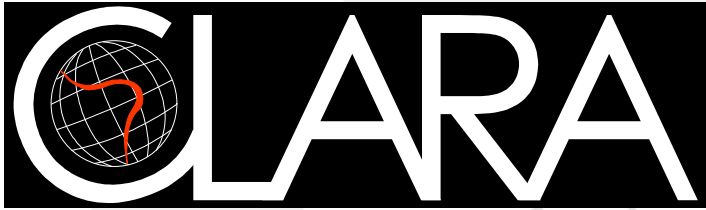
RedCLARA2008



45 Mbps



Global Crossing
Internexa
LAUREN



**ALICE 2 funding is expected for
the end of 2008, start of 2009**



RedCLARA's Vision for 2009

- Future backbone should have CLARA owned dark fiber in the following links
 - AR-CL
 - AR-BR
- The Intercontinental link to Europe should be 1.2 Gbps in 2009 and reach 2.5 Gbps in 2010
- Aiming to use the Plan Puebla Panamá fiber to connect Mexico and Central America



LINEA SIEPAC PRIMER SISTEMA DE TRANSMISION REGIONAL





RedCLARA's Vision for 2009

- The PA-CL link should be at least STM-4
- The Node in Miami should be connected to PA at 1.2 Gbps
- The CLARA's Miami Node should be connected to MX thru the US Internet2 New Network using a 2.5 Gbps Leased Wavelength for backup



<http://www.redclara.net>