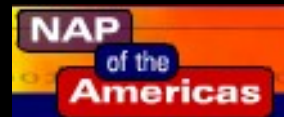


Julio Ibarra
julio@fiu.edu



Presents...
***AmericasPATH to the
Inter American Development
Bank
Washington D.C.
March 9, 2001***



The AMPATH Project

- AMPATH is a project led by FIU, in collaboration with Global Crossing (GC), to interconnect the R&E networks in South and Central America, the Caribbean and Mexico to US and non-US R&E networks via Internet2's Abilene network.
- GC's terrestrial and submarine optical-fiber networks (SAC, PAC and MAC) are used to build the AMPATH network.

The AMPATH Project Donations

- GC has donated up to 10 DS3s for the AMPATH project representing a \$25M donation over three years.
- Cisco donated a GSR 12012 router valued at \$390,400.
- Lucent donated a CBX-500 ATM switch listing for \$523,000.

Continued...

The AMPATH Project Donations

- Terremark and FIU have an agreement for the AMPATH POP to be located in the NAP of the Americas, operated by FIU
- FIU offers cost-effective solutions for bandwidth and operational services.
- FIU offers its commitment, leadership and expertise to the success of the project.

AMPATH Project Goals

- To enable participating countries to contribute to the research and development of applications for the advancement of Internet technologies.
- To extend the Internet2 research and education community for high-performance networking to South and Central America, the Caribbean and Mexico.

Florida International University

- Doctoral/Research University-Extensive.
- A member of the State University System of Florida with 32,000 students.
- One of the nation's largest doctoral-granting majority-minority universities.
 - Largest contingent of Hispanic students of any doctoral-granting university in the country.
- Internet2 GigaPOP with the University of Miami and Florida Atlantic University.

AMPATH Service Area



- Argentina
- Brazil
- Chile
- Colombia
- Costa Rica
- Mexico
- Panama
- Peru
- Puerto Rico
- US Virgin Islands
- Venezuela

Global Crossing



Global Crossing™

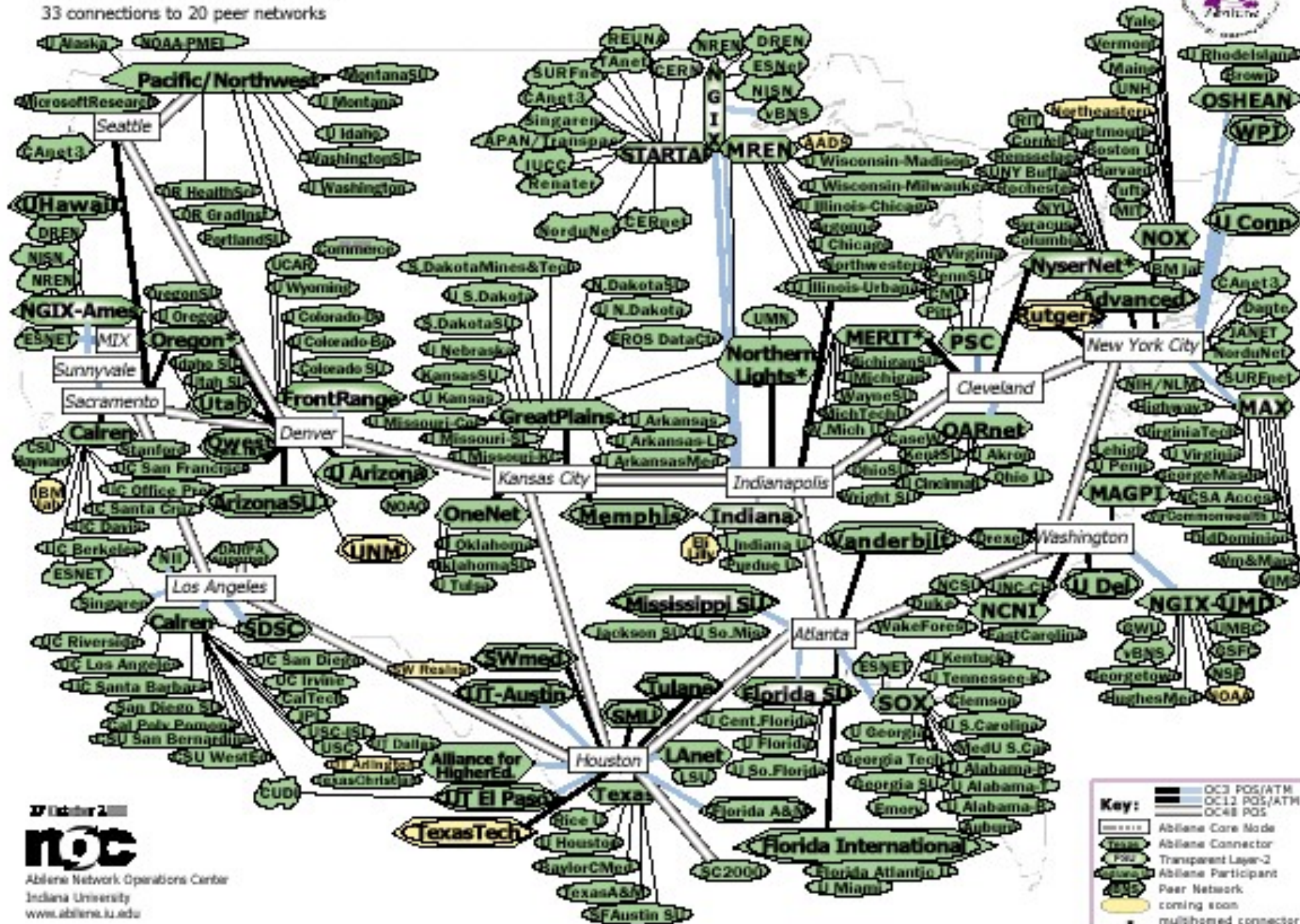
- GC is a world-class telecommunications service provider and a carrier's carrier.
- GC is building and offering services over the world's first global fiber-optic network with over 101,000 route miles, serving five continents, 27 countries and more than 200 major cities.

MAP...



completed connections:
 178 participants
 46 connectors + 3 NGIXs + STAR TAP
 33 connections to 20 peer networks

The Abilene Network



17 October 2000

noc

Abilene Network Operations Center
 Indiana University
www.abilene.iu.edu

IADB



Inter-American Development Bank
Banco Interamericano de Desarrollo

Goals

- *Help accelerate economic and social development in Latin America and the Caribbean.*
- *A major opportunity for the IDB lies in becoming a bank which can support innovative development projects as well as a trusted political forum for working out the complexities of regional integration.*

<http://www.iadb.org/exr/corp/Ve.htm>

Continued...

IADB



Inter-American Development Bank
Banco Interamericano de Desarrollo

Mission

- a) To create and sustain a policy and investment environment conducive to robust economic growth; and,
- b) to achieve higher levels of human development for all their people, including groups and persons historically excluded from mainstream society.

<http://www.iadb.org/exr/corp/Ve.htm>

The IADB & AMPATH

- The AMPATH high-performance Research & Education network provides service in the IADB's areas of interest.
- FIU wants the IADB to consider using AMPATH for its R&E networking needs

eLearning
eWorkforce

eEducation
eBusiness

**Economic &
Social
Development
in the Region**

**Education and
Research**

**Latin American and
the Caribbean NRN's**

AMPATH

Challenges

- Identify National Research Networks (NRNs) in all AMPATH countries slated for a DS3 donation. For example:
 - Brazil has RNP
 - Chile has REUNA
 - Argentina has RETINA
 - Panama has SYNECET
- Extend the AMPATH Network to all Latin American and Caribbean countries (Ecuador, Bolivia, etc.)

Continued...

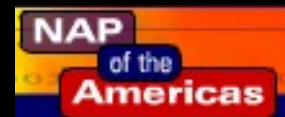
Challenges

- Help the universities and R&E centers in Latin America and the Caribbean connect to AMPATH through the NRNs
 - The AMPATH cost-sharing model charges the NRN in each country a % of FIU's operational costs.
- Funding
 - Hardware
 - Local loops (high-performance data circuits within each country)
 - Personnel (Administration, Network Engineers, Internet applications developers)



AmericasPATH

Thank You !



AMPATH Network

