

# International Research Connections WHREN

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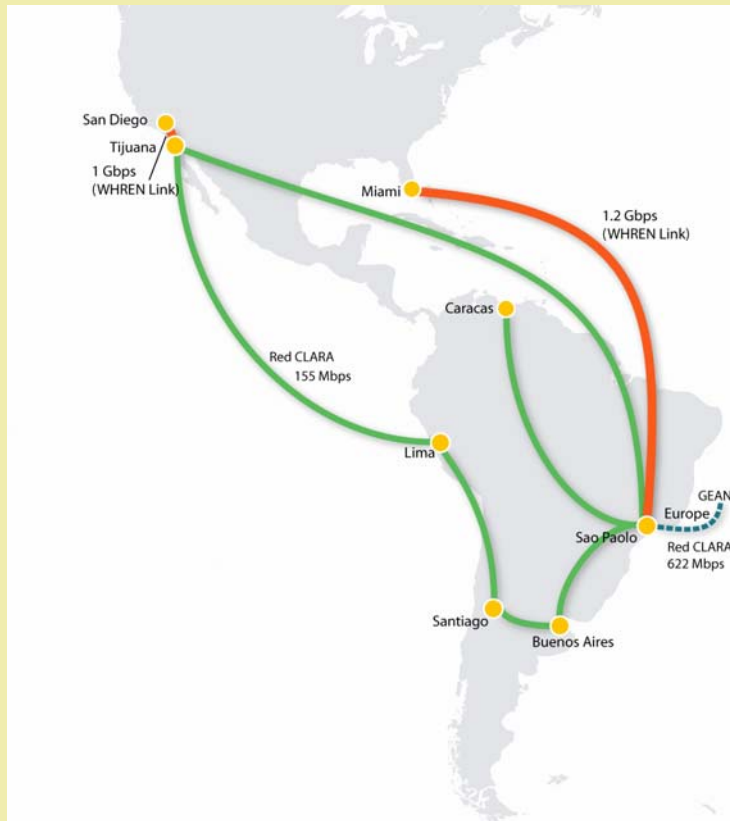
CENIC 2005, Marina del Rey, 2005.03.09

# WHREN: Increasing the Rate of Discovery and Enhancing Education across the Americas

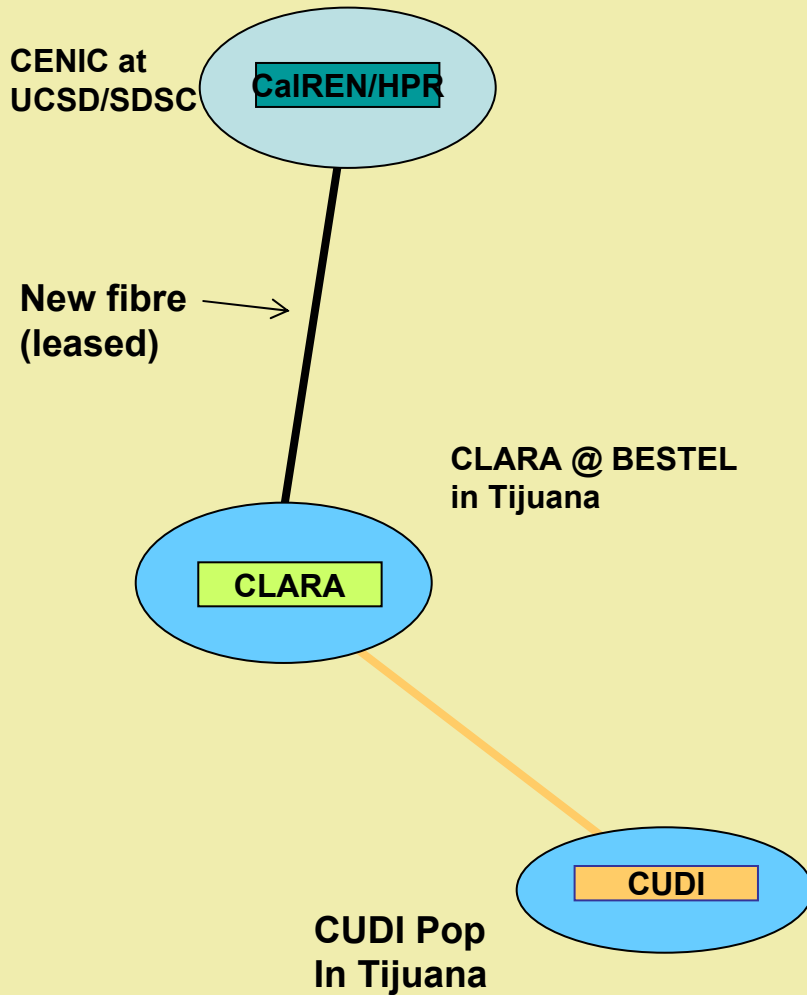
- The Western Hemisphere Research and Networking (WHREN) initiative is:
  - A cooperative of research and education networks across the Americas
  - A community based cyberinfrastructure
  - A forum for Pan American collaboration
- The U.S. National Science Foundation supports WHREN through LILA (Links Interconnecting Latin America):
  - PI: Julio Ibarra (Florida International U); Co-PI: John Silvester (CENIC)
  - Partial funding a fiber acquisition between San Diego, California and Tijuana, Mexico which will initially provide a 1 Gigabit per second (Gbps) link, eventually directly connecting into PW-LAX
  - Partial supporting a 1.2 Gbps connection between Miami and Sao Paulo
  - Connectivity growing to 10 Gbps over five years

# WHREN-LILA links with RedCLARA

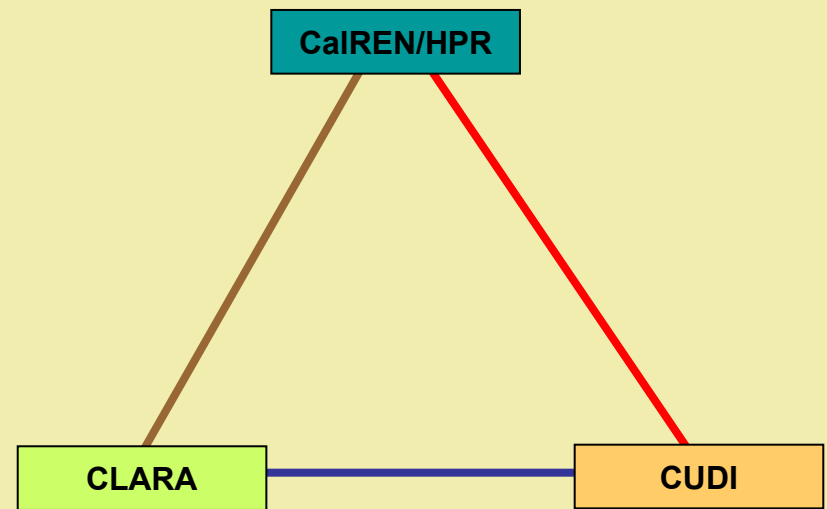
## MIA-Sao Paulo and San Diego-Tijuana



# CLARA-CUDI-CaIREN Logical Connections



Level 3 logical connections



# Future Plans

- Upgrade links to higher capacities
- Backhaul CUDI and CLARA connections to Pacific Wave (LA)
- Explore lightpath/GLIF opportunities