



AMPATH and AMLIGHT Update



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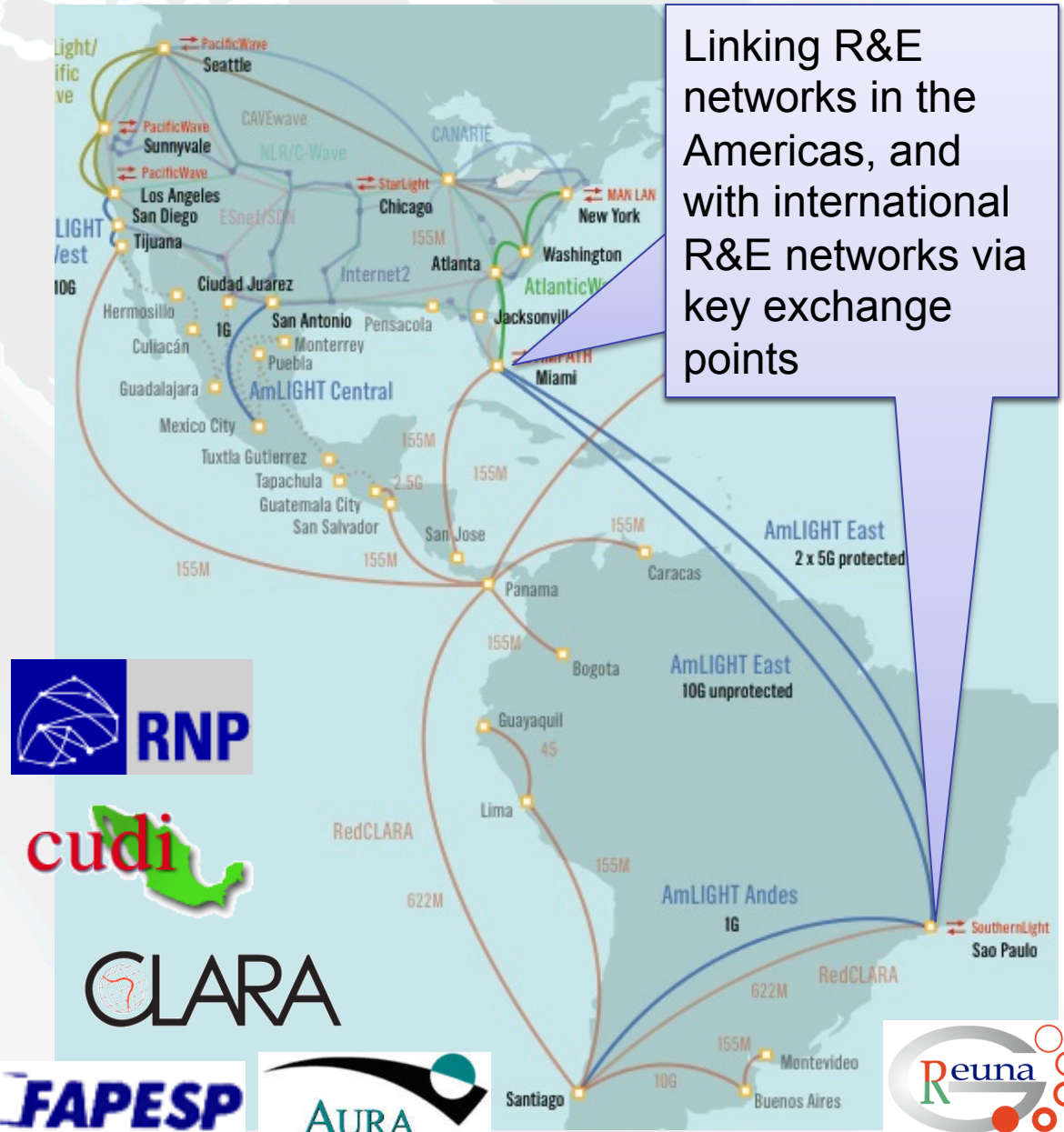


AMLIGHT: Linking the Americas and Beyond



- 5-year NSF Cooperative Agreement; FAPESP and RNP co-funding
- AmLight East:
 - Miami-Sao Paulo
 - 10G: 2 x 5G protected
 - 10G: 10 unprotected
- AmLight West:
 - Tijuana-Los Angeles
 - 2x1G waves, increasing to 12G
- AmLight Andes:
 - Sao Paulo-Santiago:
 - 1G wave
- AmLight Central:
 - Mex. City-San Antonio:

Linking R&E networks in the Americas, and with international R&E networks via key exchange points



Hybrid Network Services

- OSCARS IDC implemented at AMPATH
- Collaboration with DYNES and DyGIR projects, RNP, FLR and Internet2
- Dynamic circuit provisioning established between RNP, AMPATH and Internet2 ION
- Initial Hybrid Networking capability established on AMLIGHT
- Demonstration later today

AMLIGHT Project Outlook

- Support hybrid network services in both production and experimental environments
 - Traffic monitoring and reporting system for hybrid network services
 - Operation of OpenFlow infrastructure to interconnect OpenFlow networks in Brazil with those of Internet2 NDDI and GENI
 - Traffic monitoring and reporting functionality for OpenFlow
- Continued rational growth with one more 10G international circuit in the near term