



Development of NRENs in Latin America

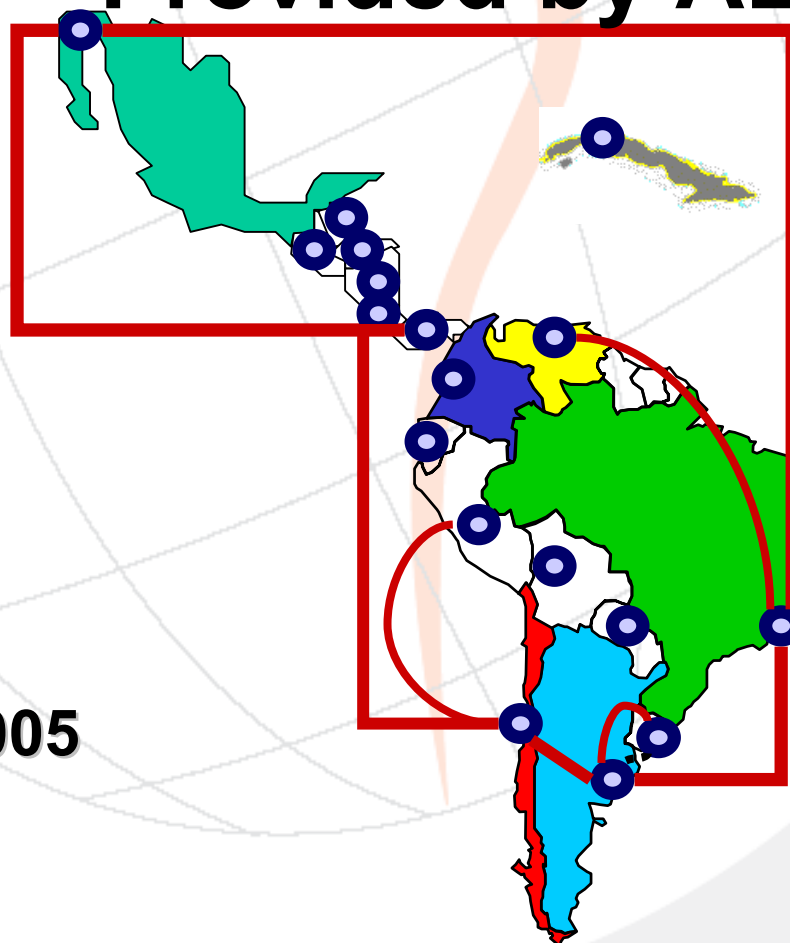
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Executive Director of CLARA
June 6, 2005



The RedCLARA Evolution and Present Status



RedCLARA: The LA Network Provided by ALICE

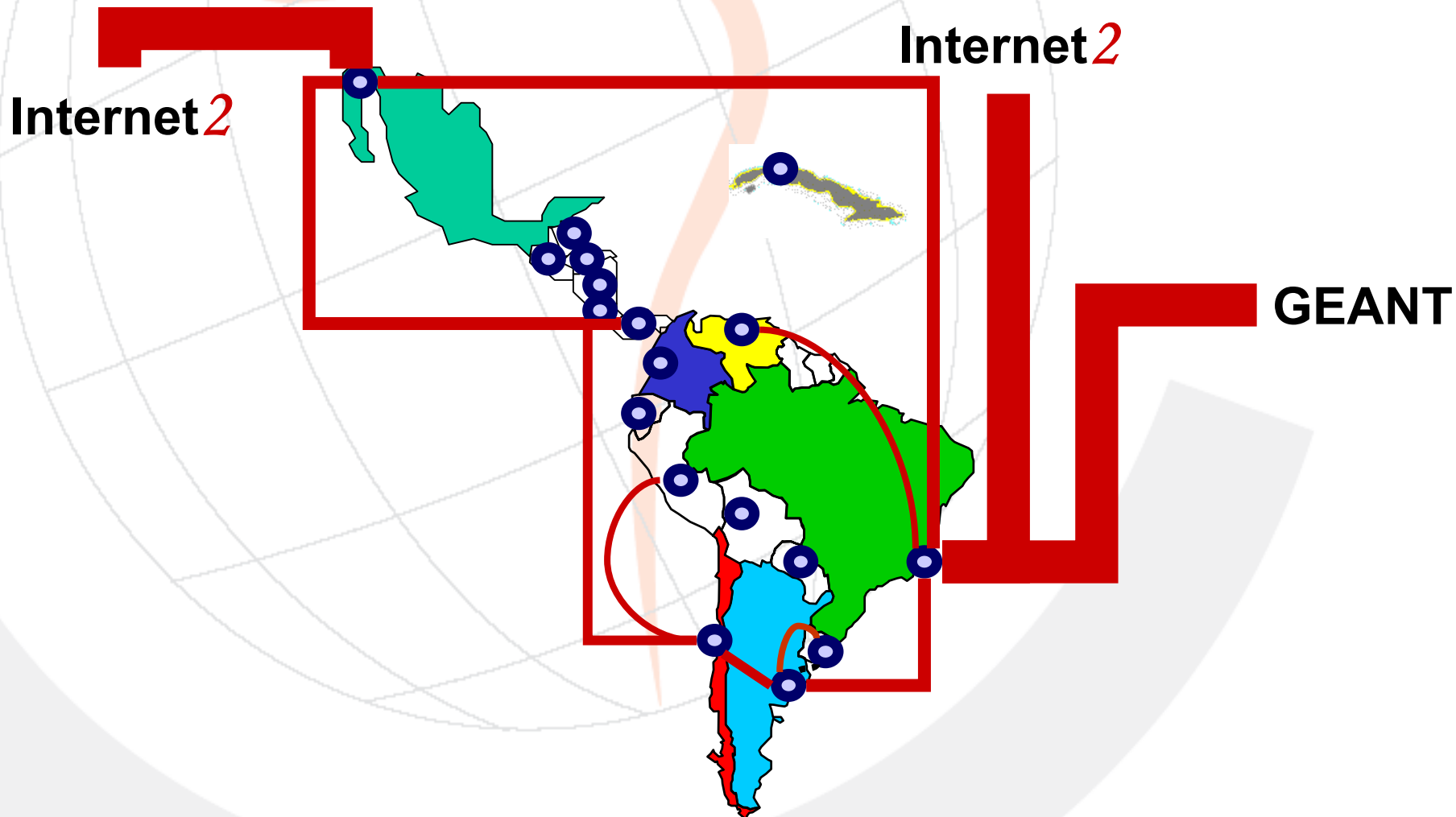


GEANT

April 2005



RedCLARA is also connected to the US

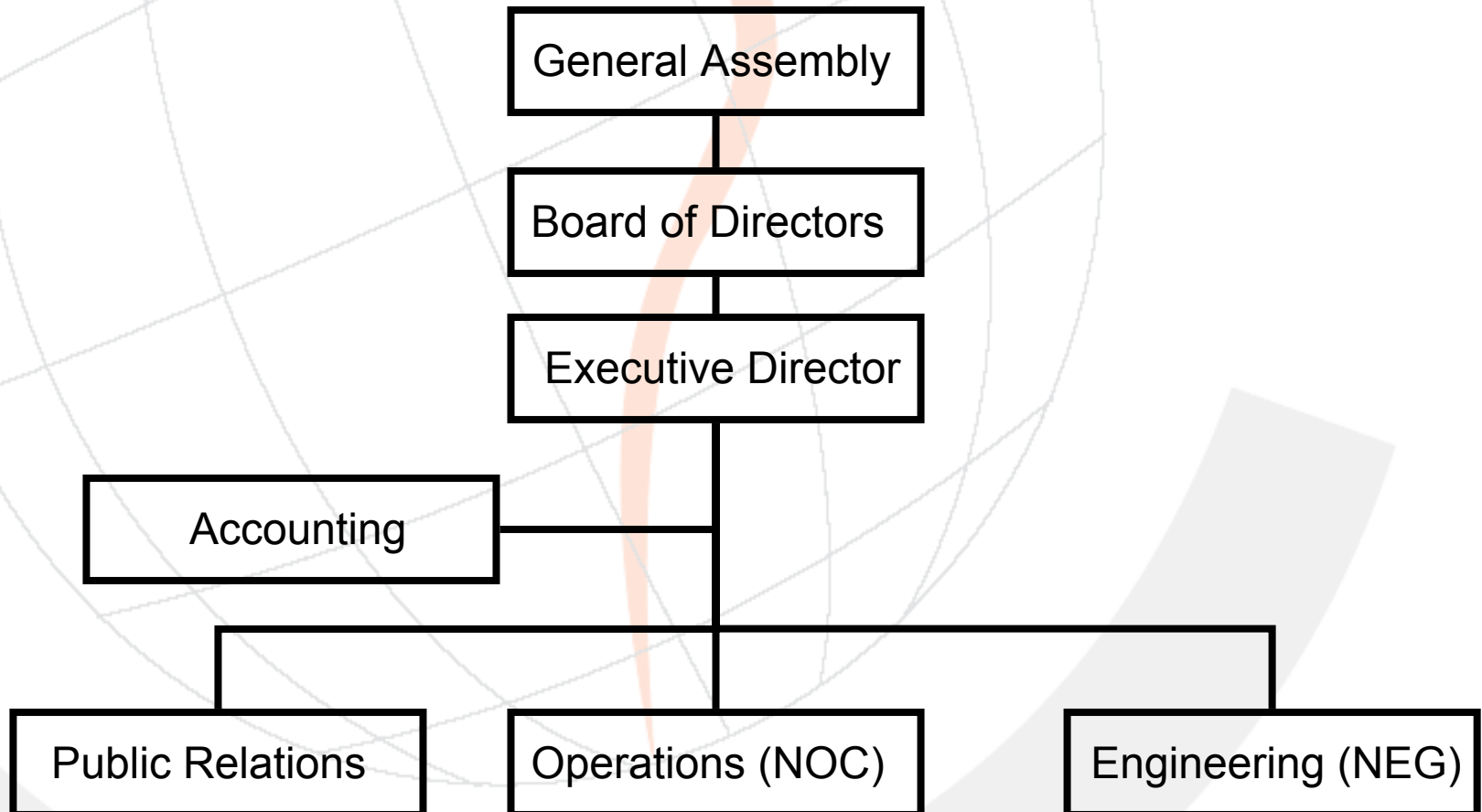




Advances in CLARA, the Organization



The Clara Organization





CLARA Administration Principles

- Small highly professionalized management team (extremely small for the time being!)
- Subcontract specific functions as needed
 - Accounting and Legal Assistance subcontracted in Uruguay
 - Network Operation to CUDI (Mexican NREN)
 - Network Engineering to RNP (Brazilian NREN)



CLARA Members

• Argentina	RETINA	Operational
• Brazil	RNP	Operational
• Bolivia	BOLNET (ADSIB)	Operational
• Colombia	RAC	In deployment
• Costa Rica	CRNet	Operational
• Cuba	RedUniv	Operational
• Chile	REUNA	Operational
• Ecuador	CEDIA	Operational
• El Salvador	RAICES	In deployment
• Guatemala	RAGIE	Operational
• Honduras	RHUTA	In deployment
• Mexico	CUDI	Operational
• Nicaragua	RENIE	Operational
• Panamá	RedCyt	In deployment
• Paraguay	RedUNA	Organizing
• Perú	RAAP	Operational
• Uruguay	RAU	Operational
• Venezuela	REACCIUN	Operational



**NREN's Created during
2004-2005 Period**

CEDIA: Ecuador Academic Network



Backbone Node



Aggregation Point



Participant Institution



International Network



45 MBPS

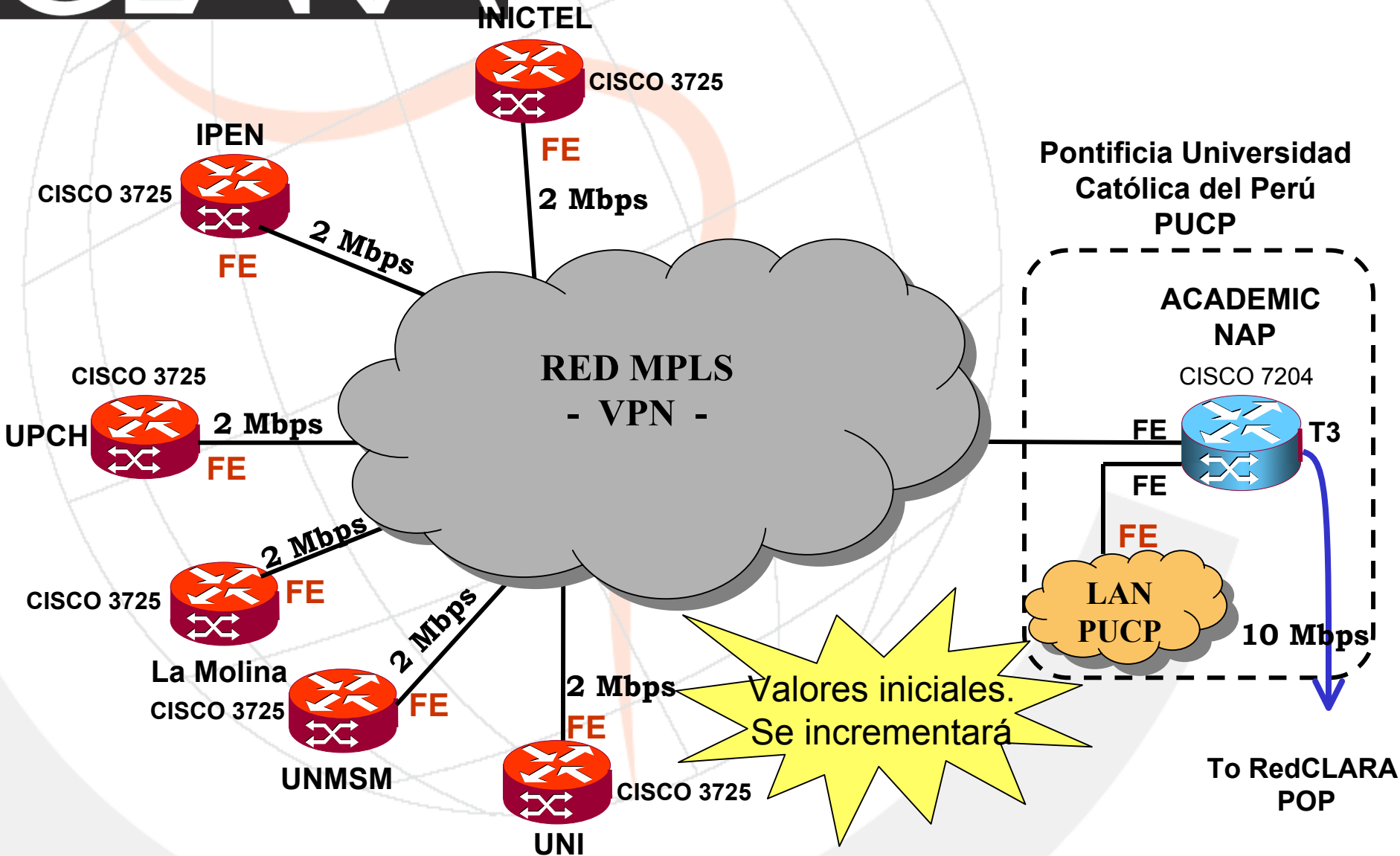


11 MBPS



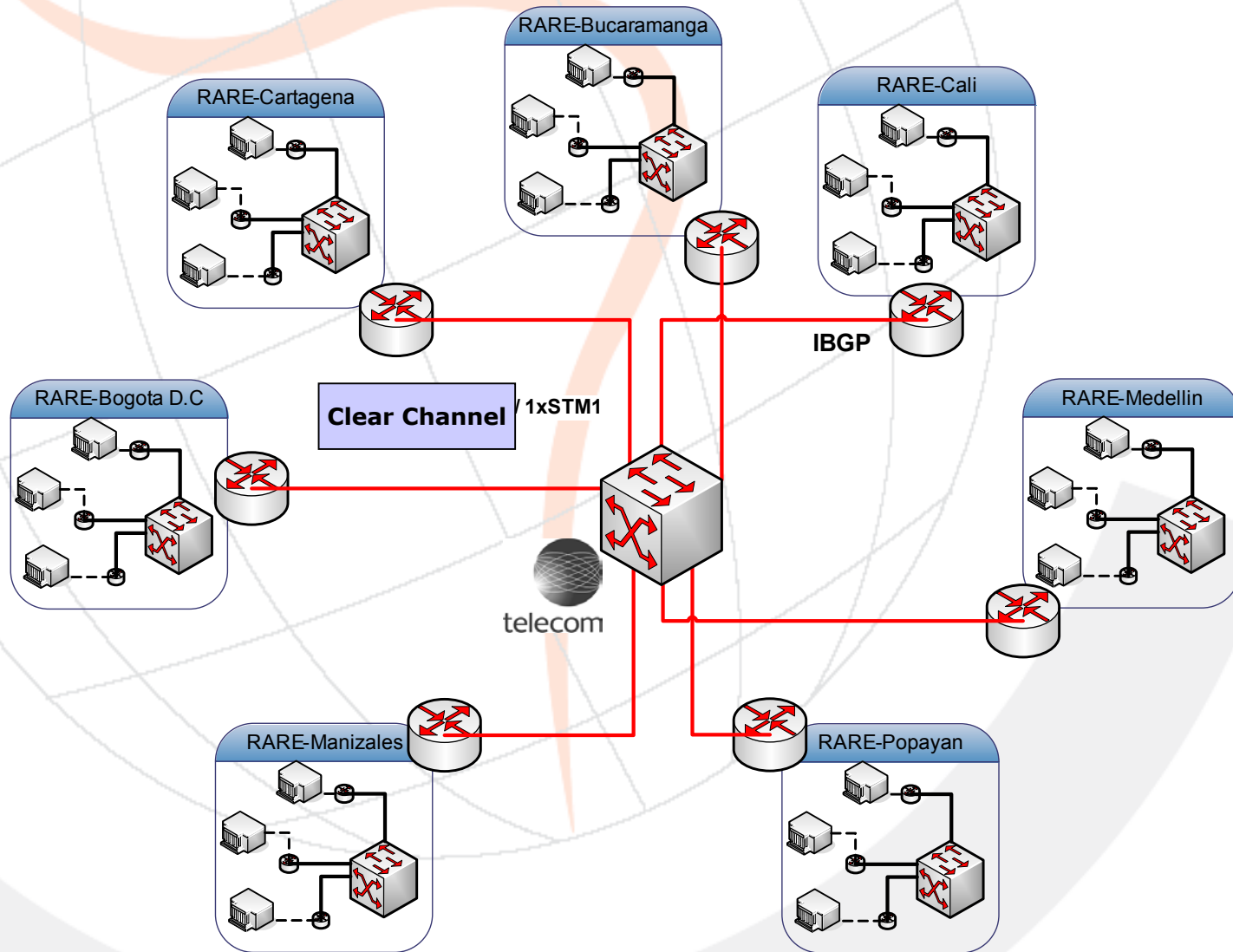
4 MBPS

RAAP: Peruvian Network

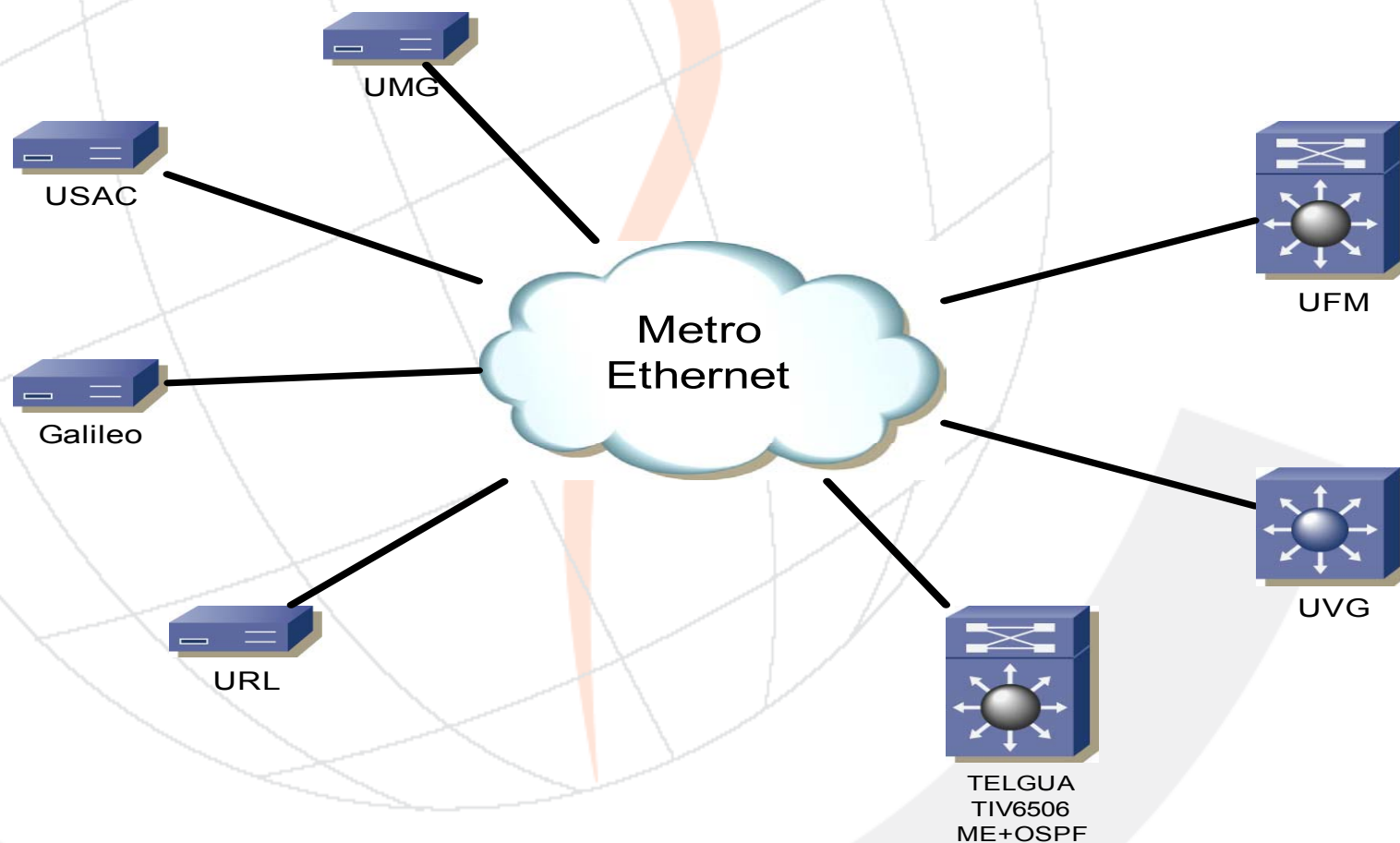




RAC: Colombia's Network



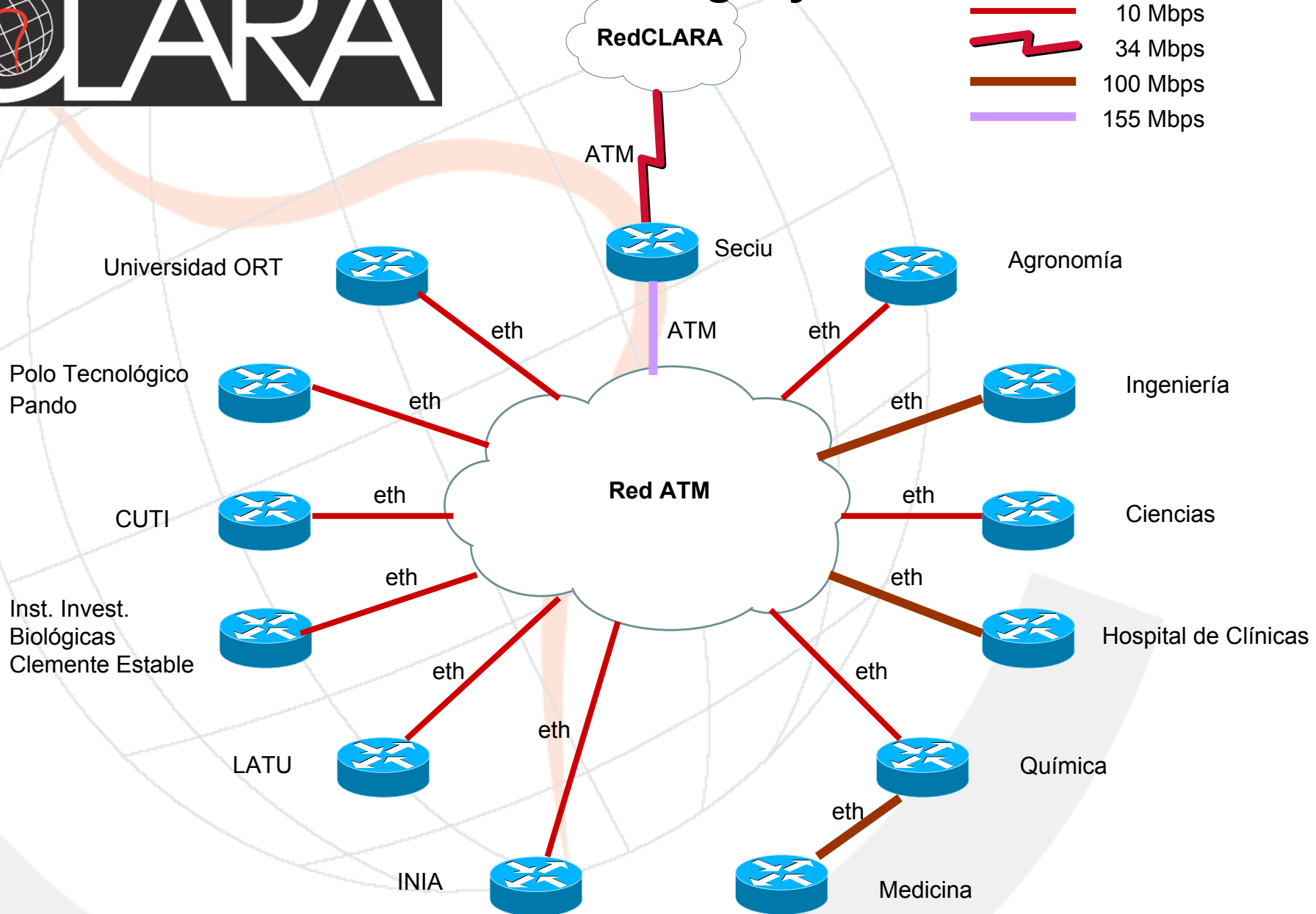
RAGIE: Guatemala's Network



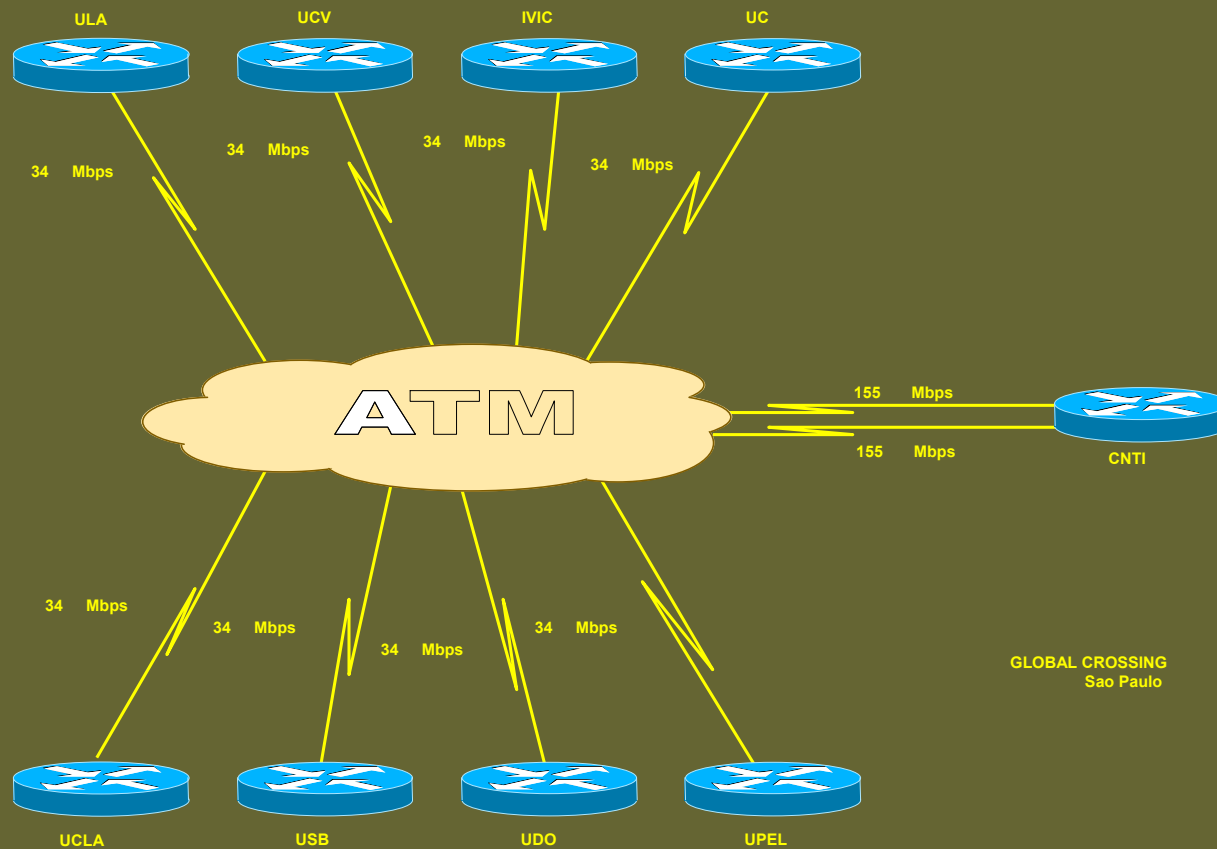


RAU2: Uruguay's Advanced Network

- 10 Mbps
- 34 Mbps
- 100 Mbps
- 155 Mbps

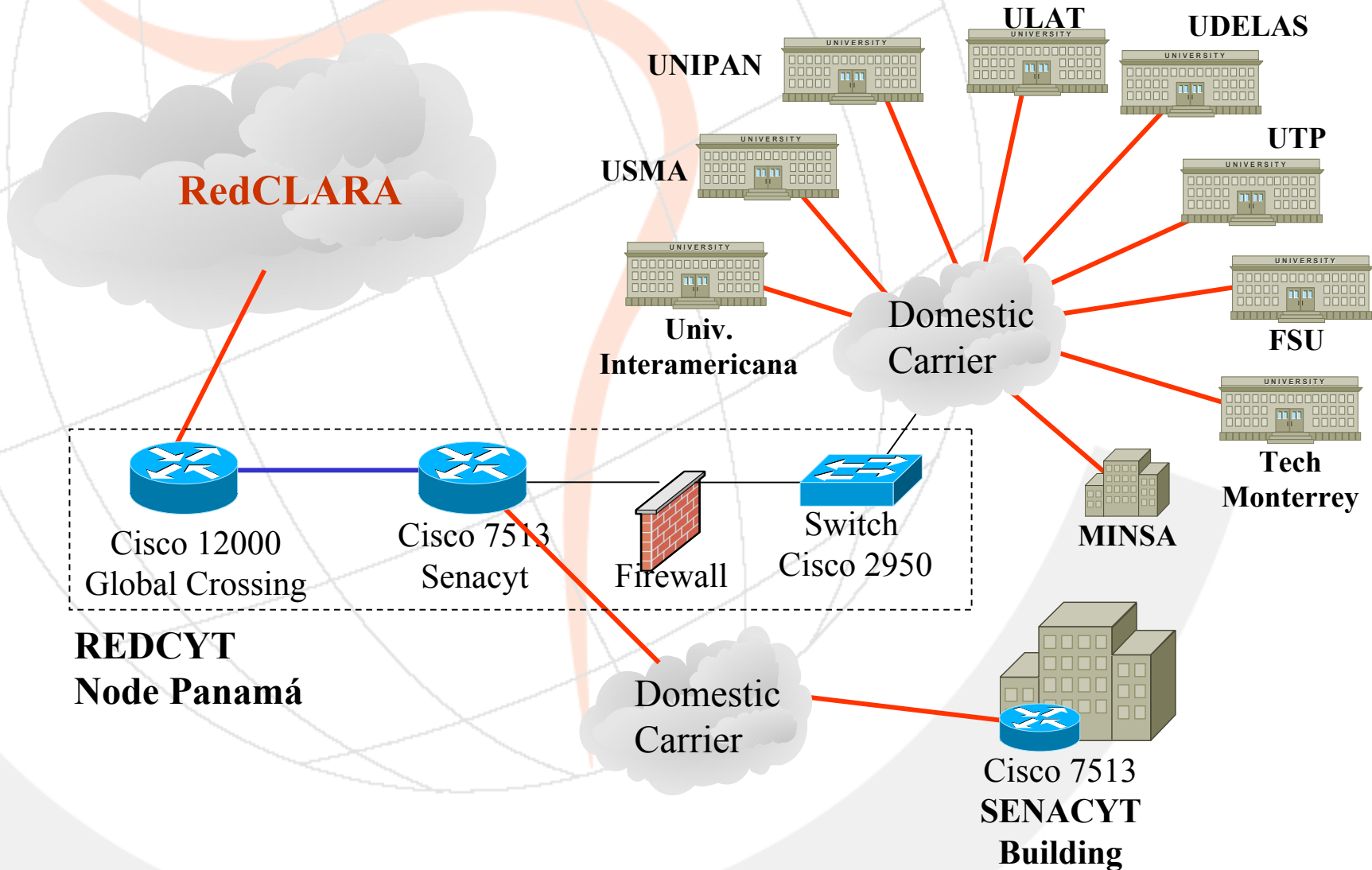


REACCIUN2: Venezuela's Advanced Network



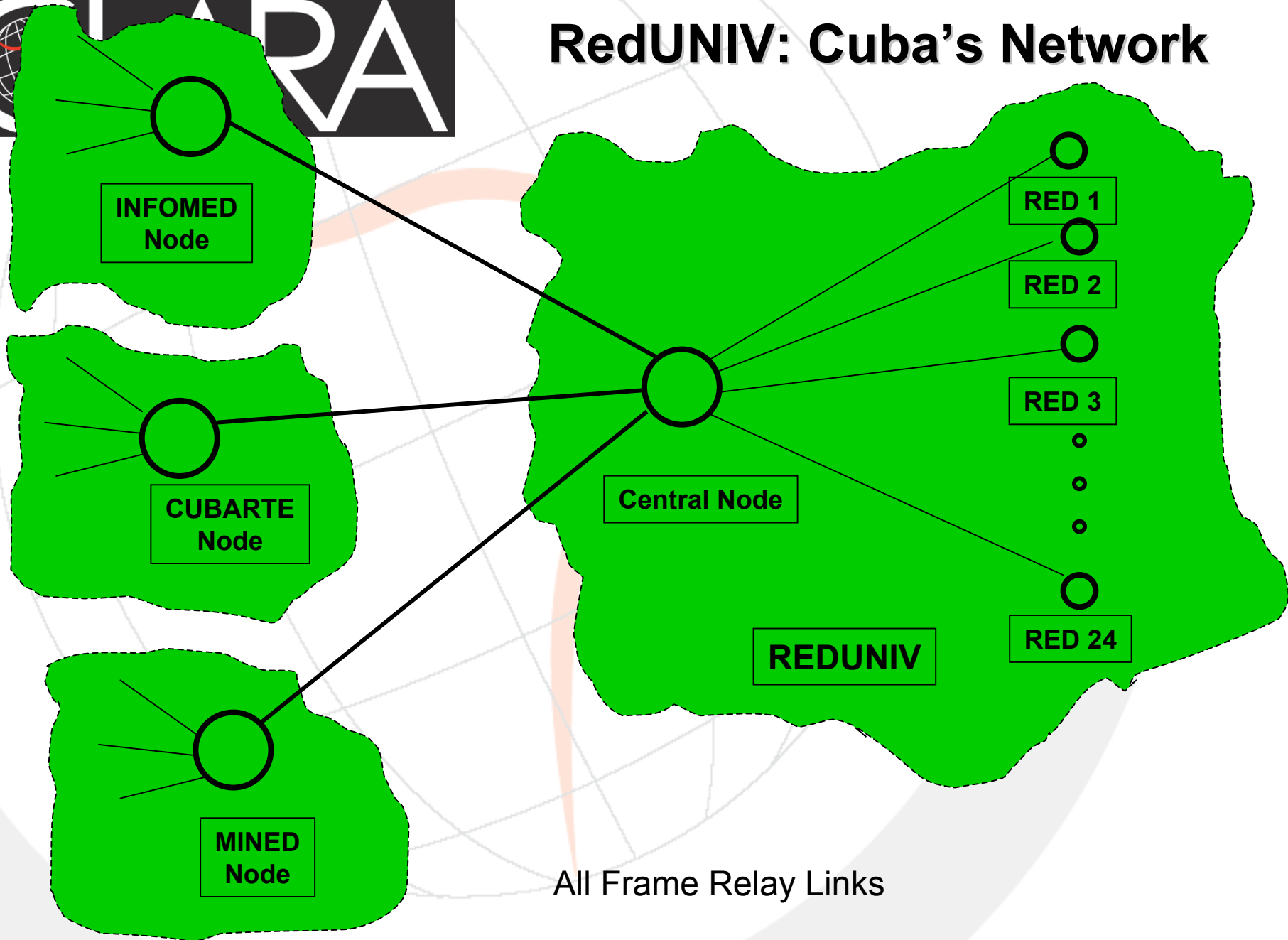


REDCYT: Panama's Network



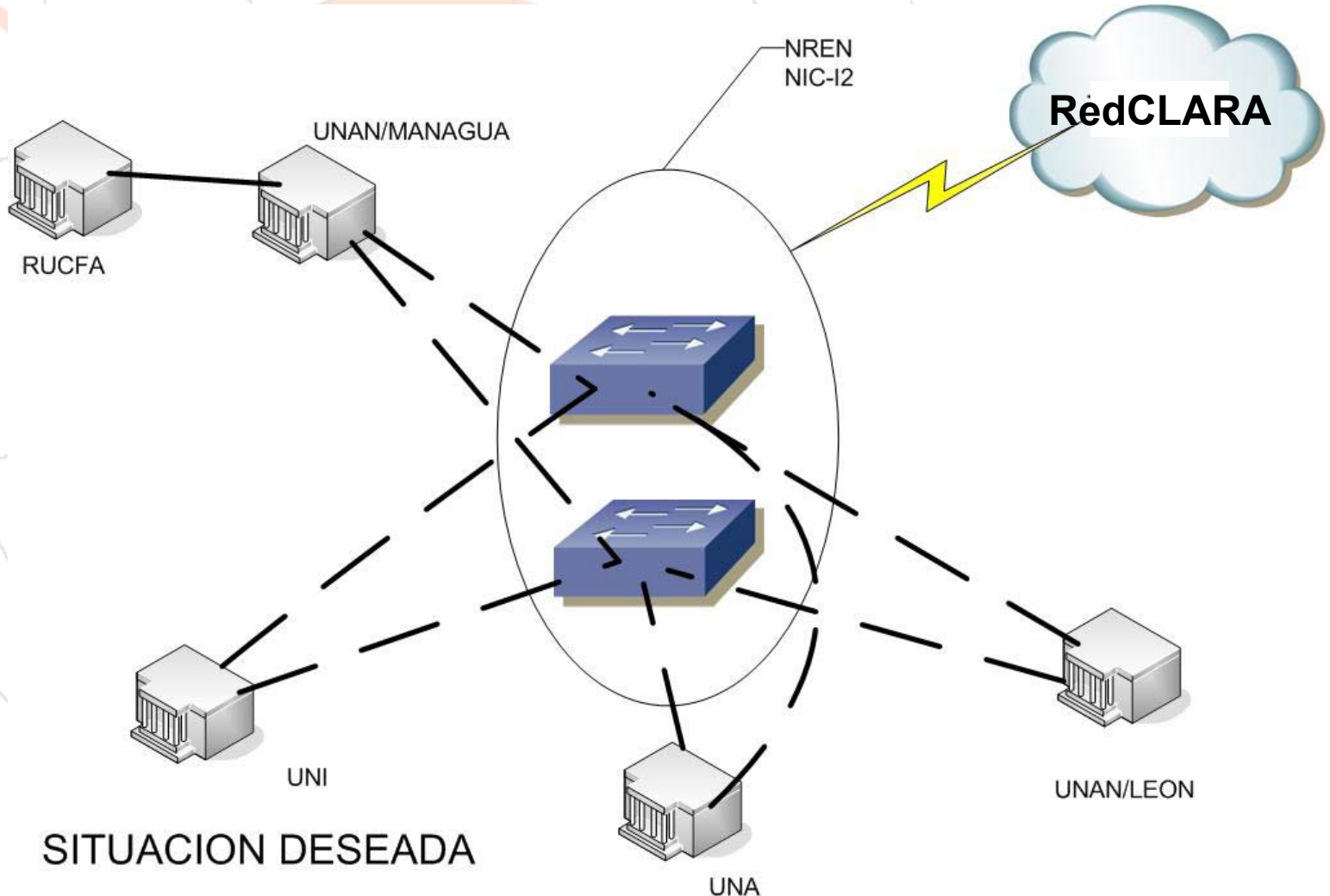


RedUNIV: Cuba's Network



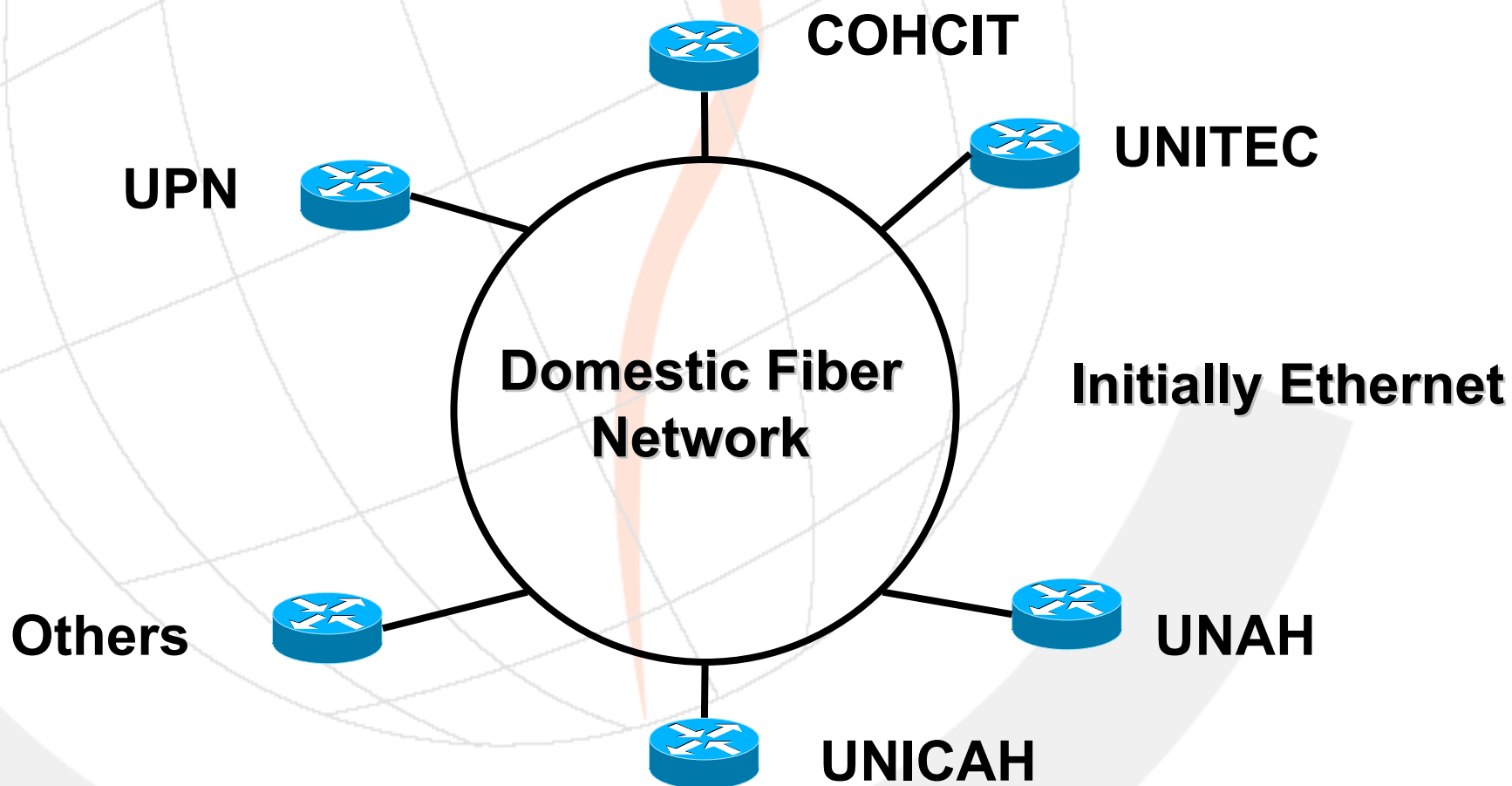


RENIE: Nicaragua's Network





RHUTA: Honduras's New NREN





Final Remarks

- NREN's are being created and deployed all over Latin America
- Domestic Operators are highly involved
- Huge differences between countries, both in technical and funding resources
- But all are getting organized, connected inside their countries and connected to RedCLARA



**“The ALICE dream is
creating a future in LA”**

Free version of Victor Hugo's words