

Many Players, One Game: How Latin America Became an ISP Powerhouse

ISPs en LAC

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¿Cuántos ISPs hay en LAC?

...aproximadamente

Number of Internet Service Providers (ITU Datahub)

País	ISPs
Brazil	19,806
Argentina	3,249
Ecuador	1,004
Colombia	904
Paraguay	220
Costa Rica (1)	83
Venezuela (2)	75
El Salvador (1)	61
Panamá (2)	43
Dominican Rep. (2)	35
Chile (3)	22
Perú (2)	55
México (3)	13



ABRINT - BRAZILIAN ASSOCIATION OF INTERNET AND TELECOMMUNICATIONS SERVICE PROVIDERS
CONTRIBUTION FOR GLOBAL DIGITAL COMPACT

ABOUT ABRINT:

ABRINT - Brazilian Association of Internet and Telecommunications Providers is a non-profit civil association whose social objective is to represent Regional Internet Service Providers. Our Association currently has more than 1,500 members, spread throughout the national territory, establishing itself as the largest representative association in Brazil of ISPs.

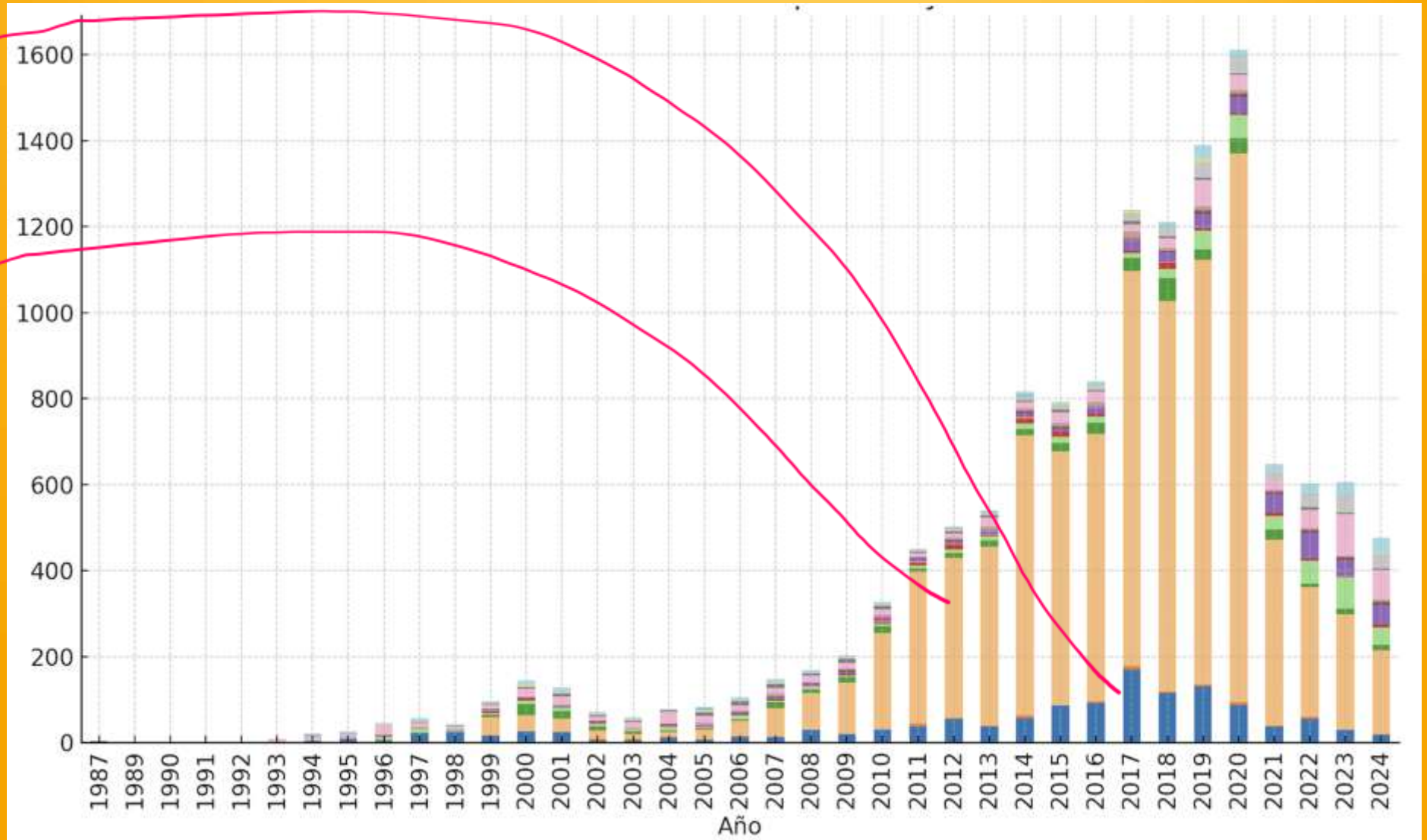
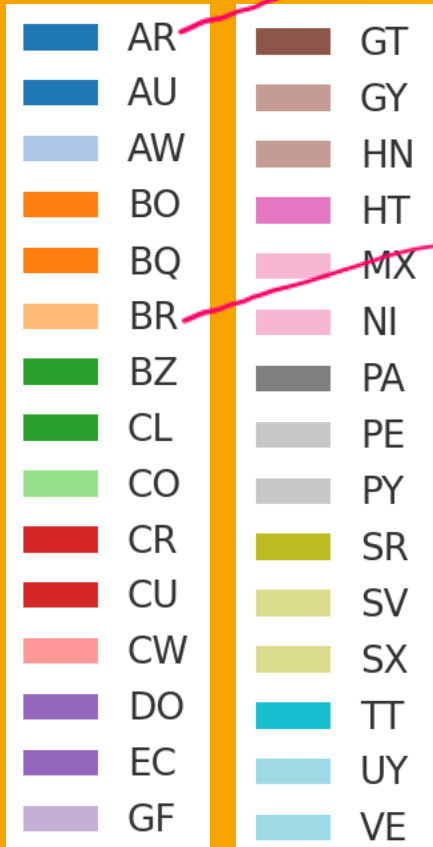
Our intense dialogue with the regulatory agency has favored the understanding of the particularities of the regional ISPs and the implementation of a specific regulatory policy in order to achieve meaningful results.

This asymmetrical regulatory policy greatly advanced the positioning of Brazil's 20,000+ ISPs to provision more broadband connectivity goals by positioning the case: ISPs leads in growth and market share, providing broadband internet connectivity for more than 50% of the more than 49 million fixed access lines, which are mostly enabled via fiber to the home (FTTH).

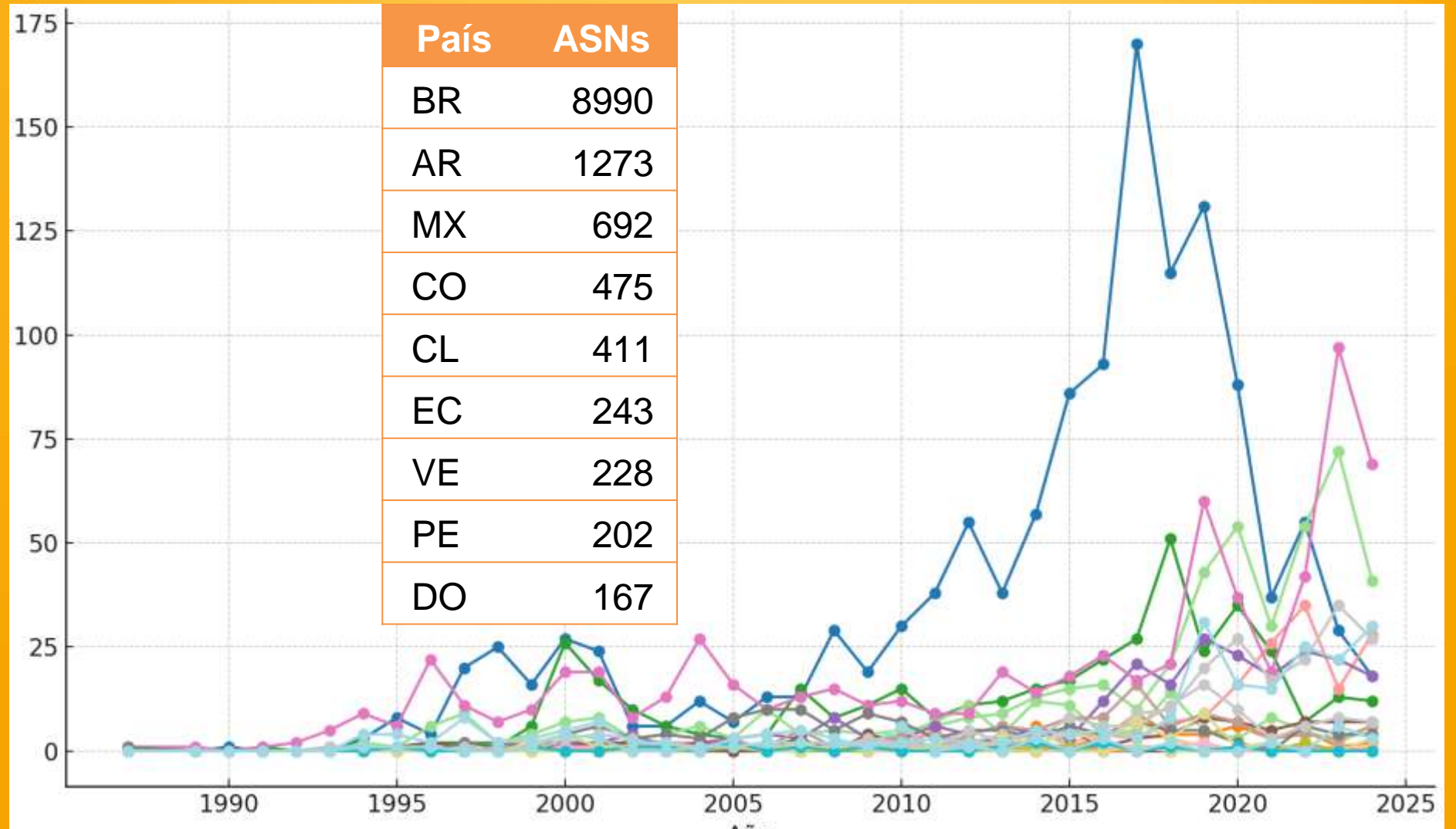
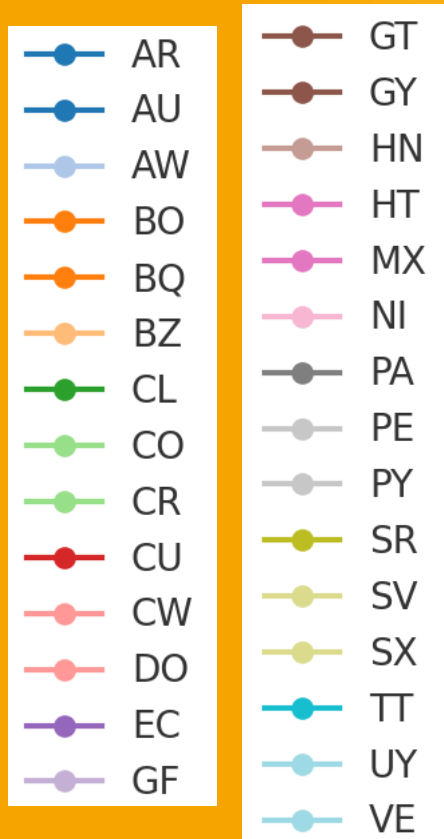
ADMINISTRACIÓN DE NÚMEROS DE INTERNET



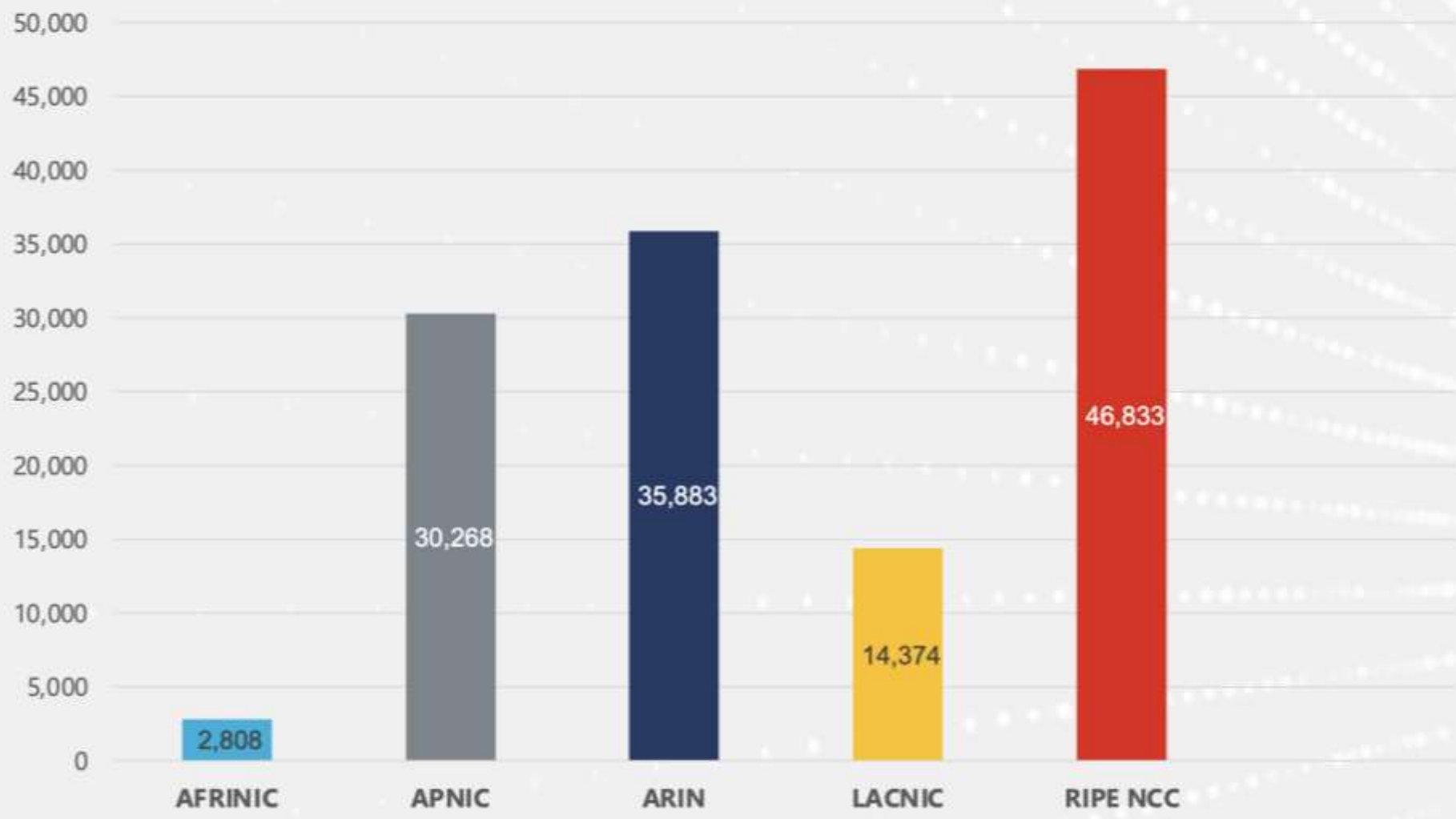
Evolución de asignación de ASNs por país



Evolución de asignación de ASNs por país (sin BR)



Total ASNs assigned by each RIR



¿Cuál es el nivel de adopción de los protocolos IPv6 y RPKI en los ISPs de LAC?

...exactamente

Despliegue de IPv6 por países

Cuatro países de la región tienen un despliegue de IPv6 alrededor del 50%.



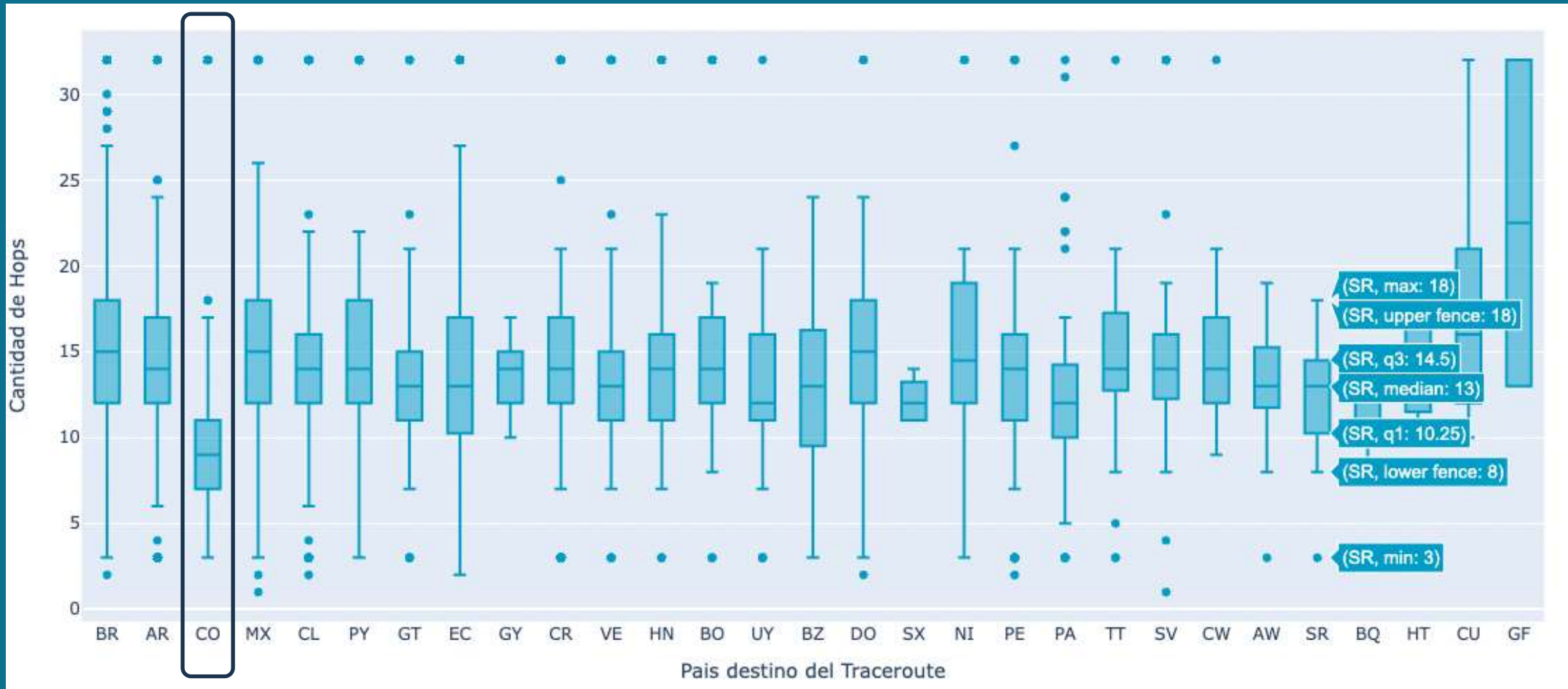
Country Code	IPv6 Deployment
<u>UY</u>	<u>53.88</u>
<u>BR</u>	<u>50.46</u>
<u>GT</u>	<u>49.65</u>
<u>MX</u>	<u>49.51</u>
NI	41.27
PE	36.50
PY	34.08
EC	26.91
SR	26.36
TT	26.15
BO	24.91

Country Code	IPv6 Deployment
AR	21.20
GY	21.09
CO	20.79
CL	19.72
SV	18.45
DO	17.08
HN	15.67
CR	14.46
PA	7.35
HT	6.33
BZ	4.61
CW	3.94
VE	3.12

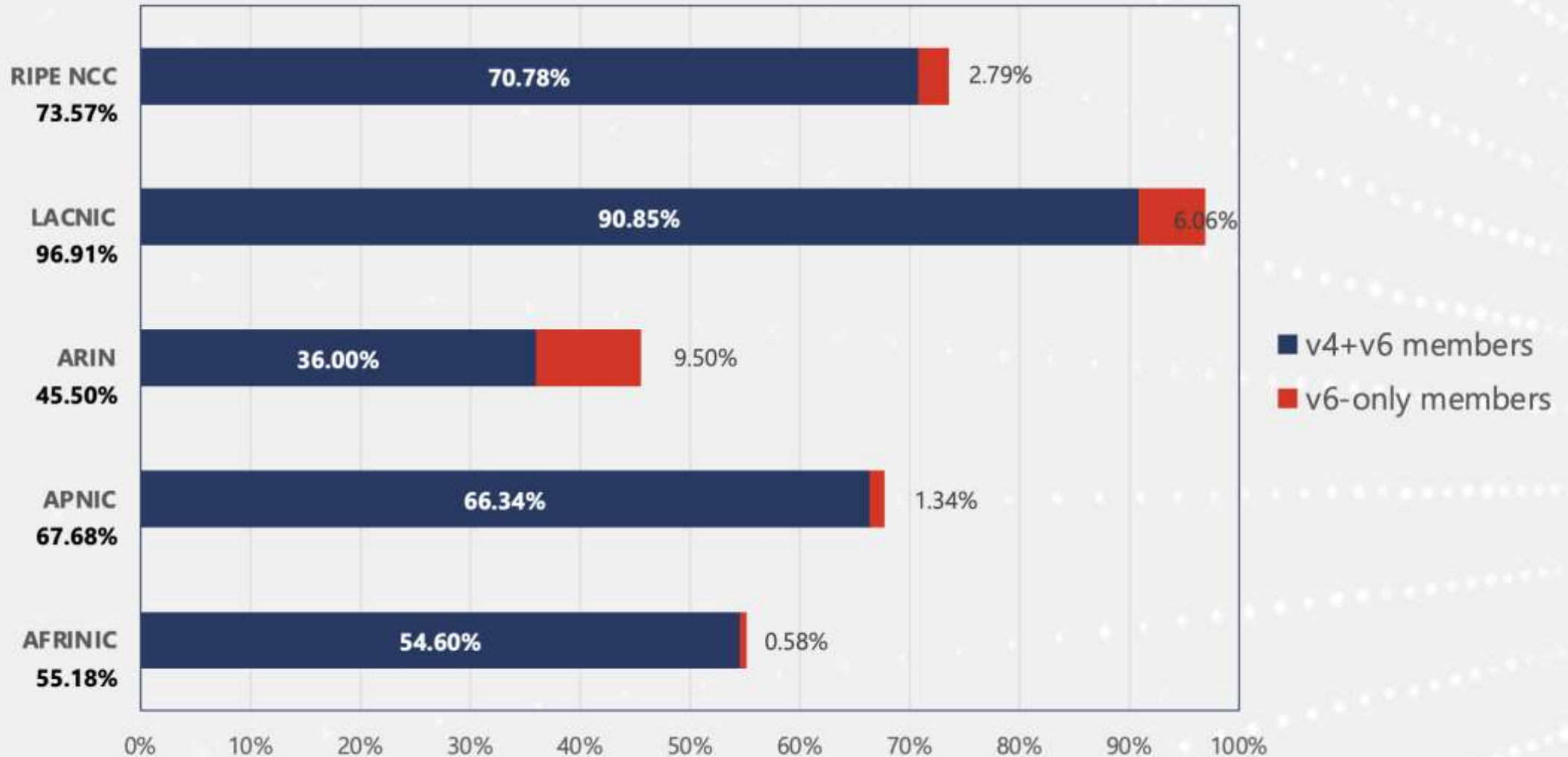
Stats based on: <https://www.google.com/intl/en/ipv6/statistics.html>

Hops desde cada país de LAC (CO)

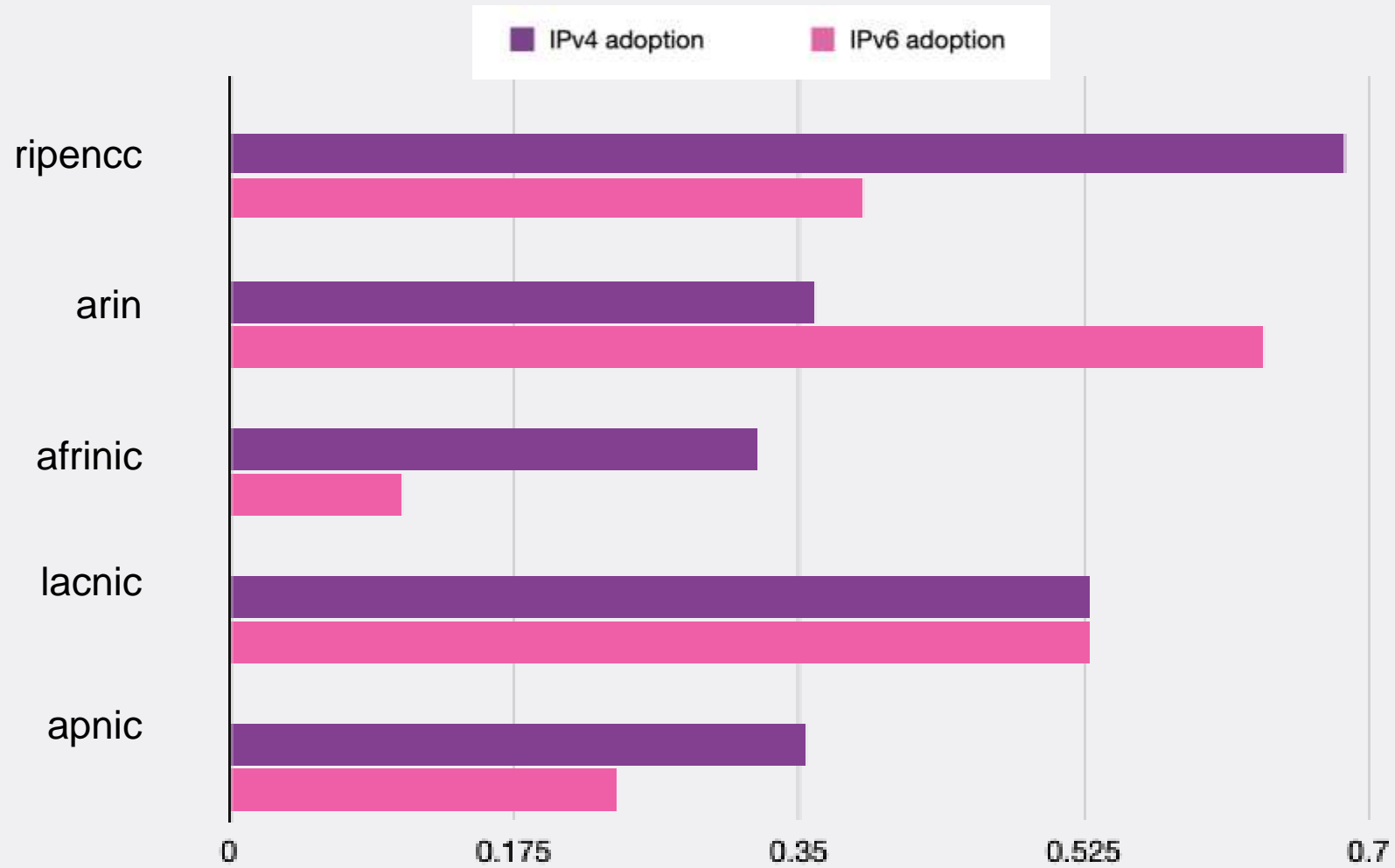
Con datos de Atlas podemos ver la cantidad de hops promedio desde el país hacia el resto de la región.



Percentage of Members with IPv6 in each RIR

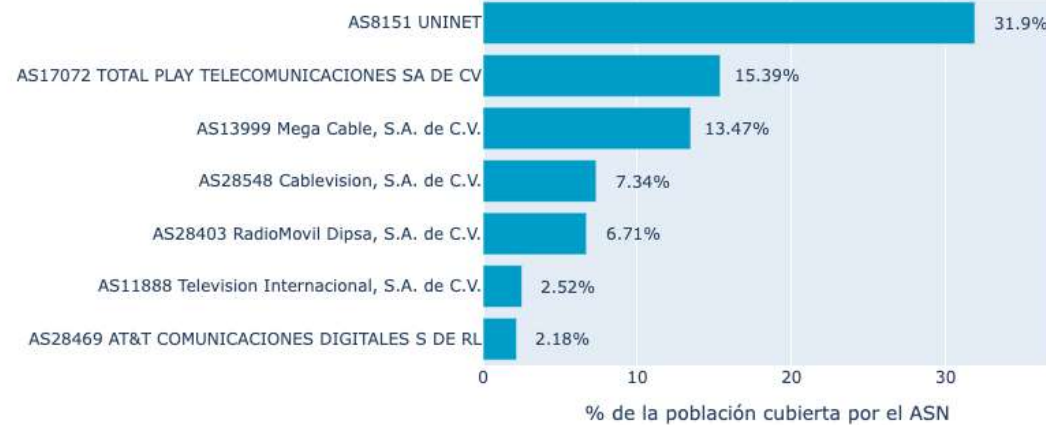
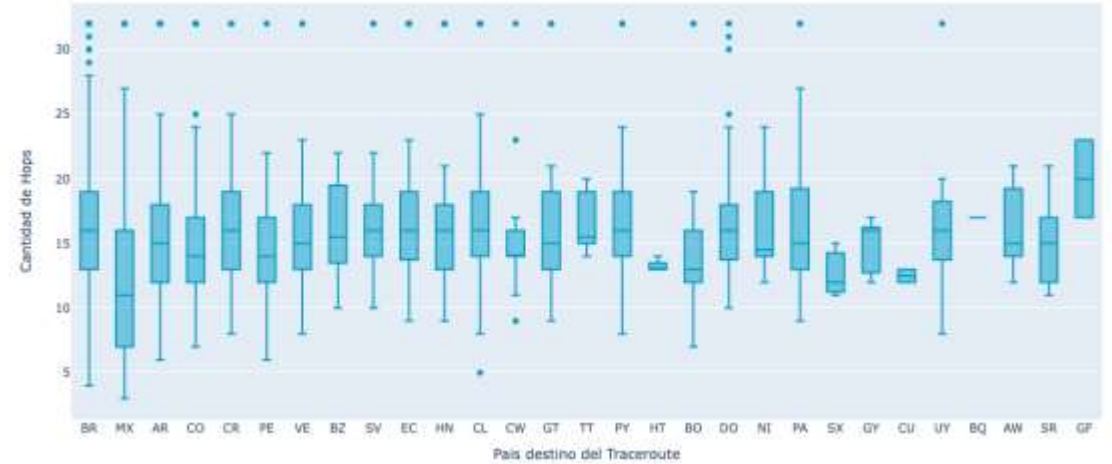
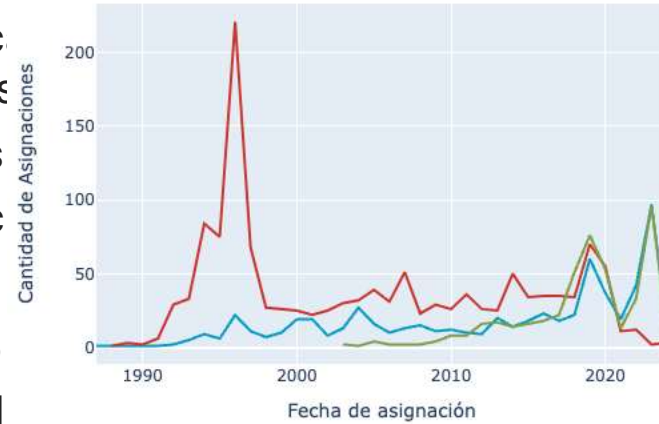


RPKI Adoption by IPv4 and IPv6



Mediciones de Internet por país

- Top ASNs
- Asignación histórica de recursos numéricos
- RTT a Root Servers
- Validación DNSSec
- Latencia
- Despliegue de IPv6
- Transferencias de I



GRACIAS



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