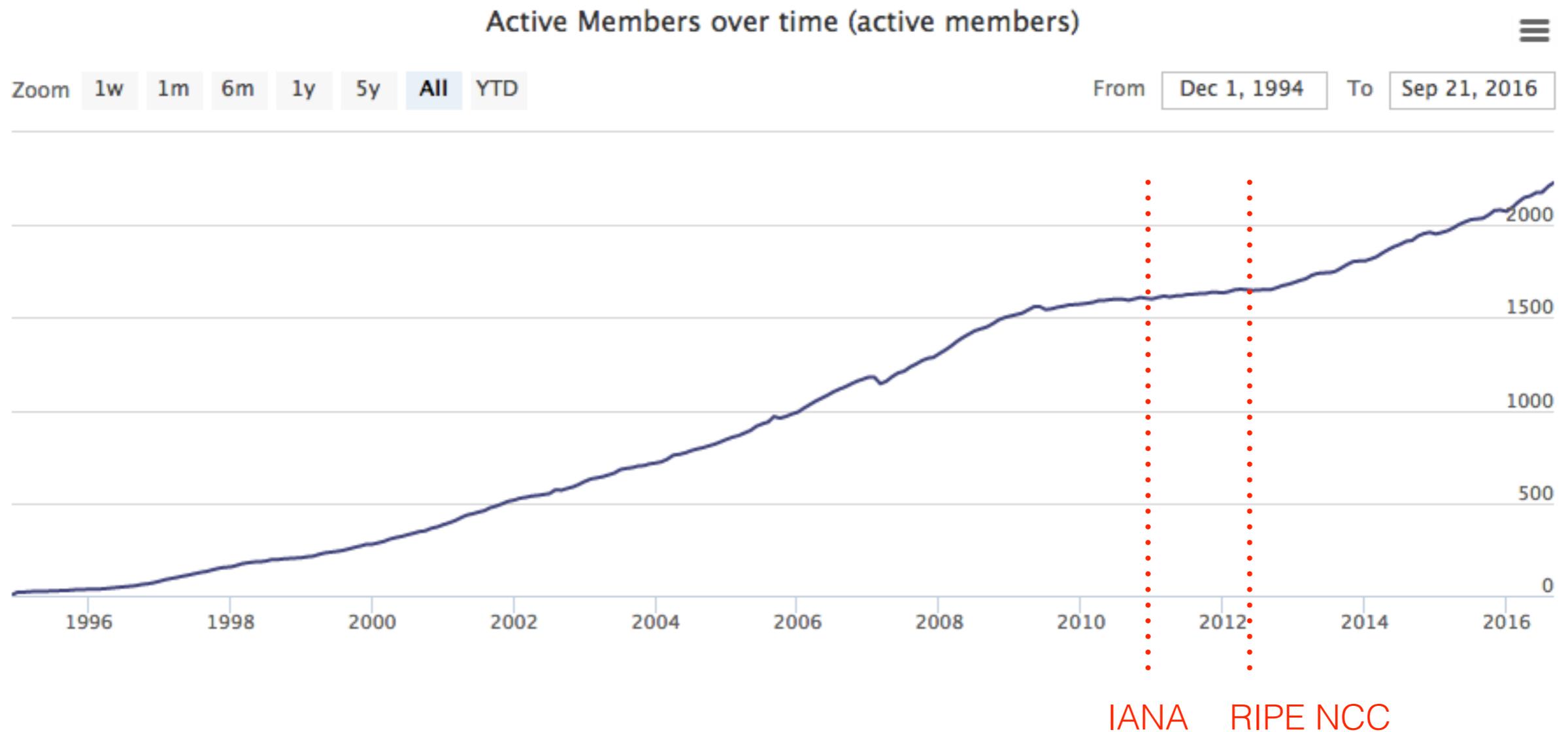




RIPE NCC
RIPE NETWORK COORDINATION CENTRE

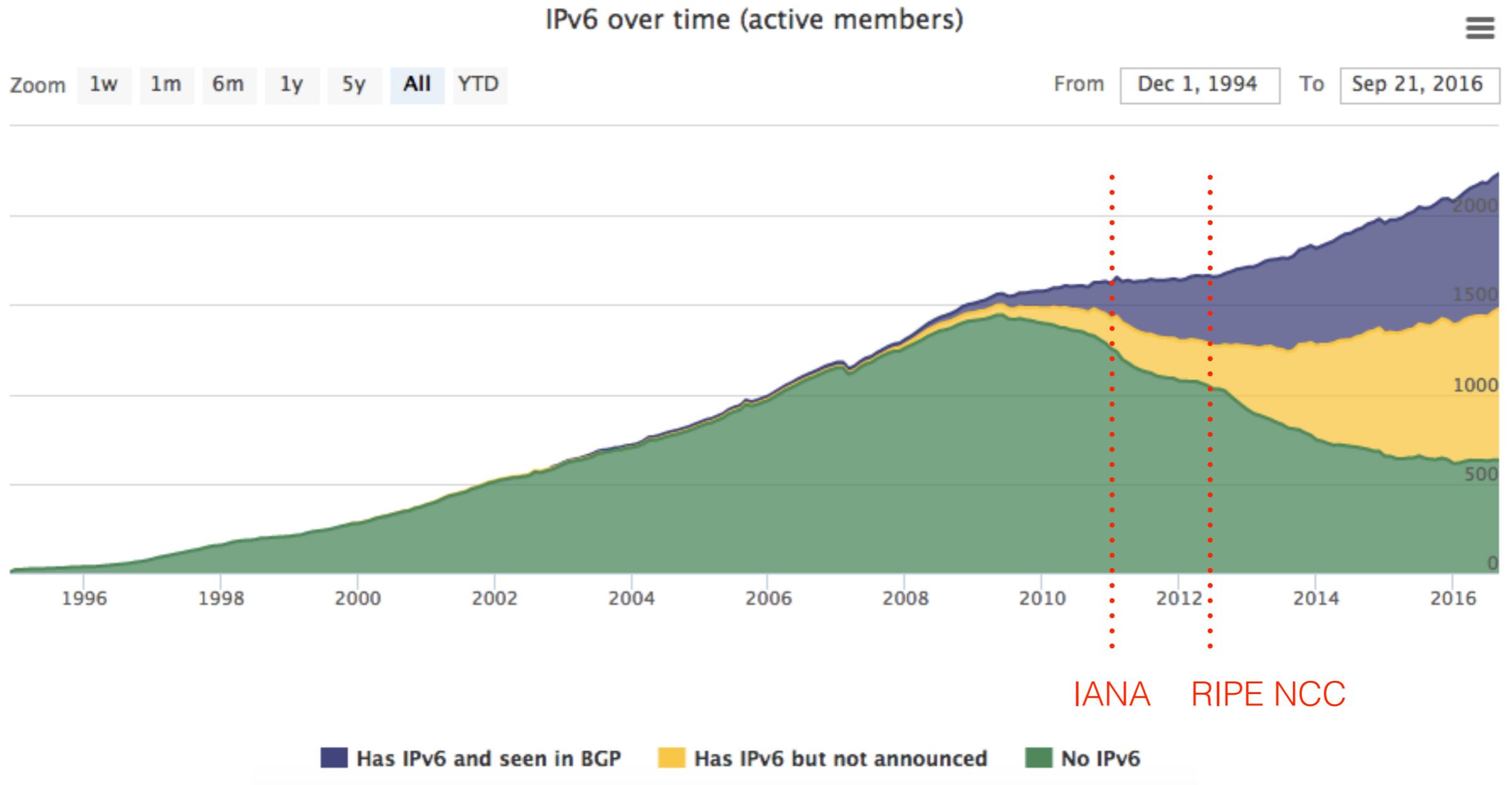
**IPv6...
Are we there yet???**

RIPE NCC Membership Growth

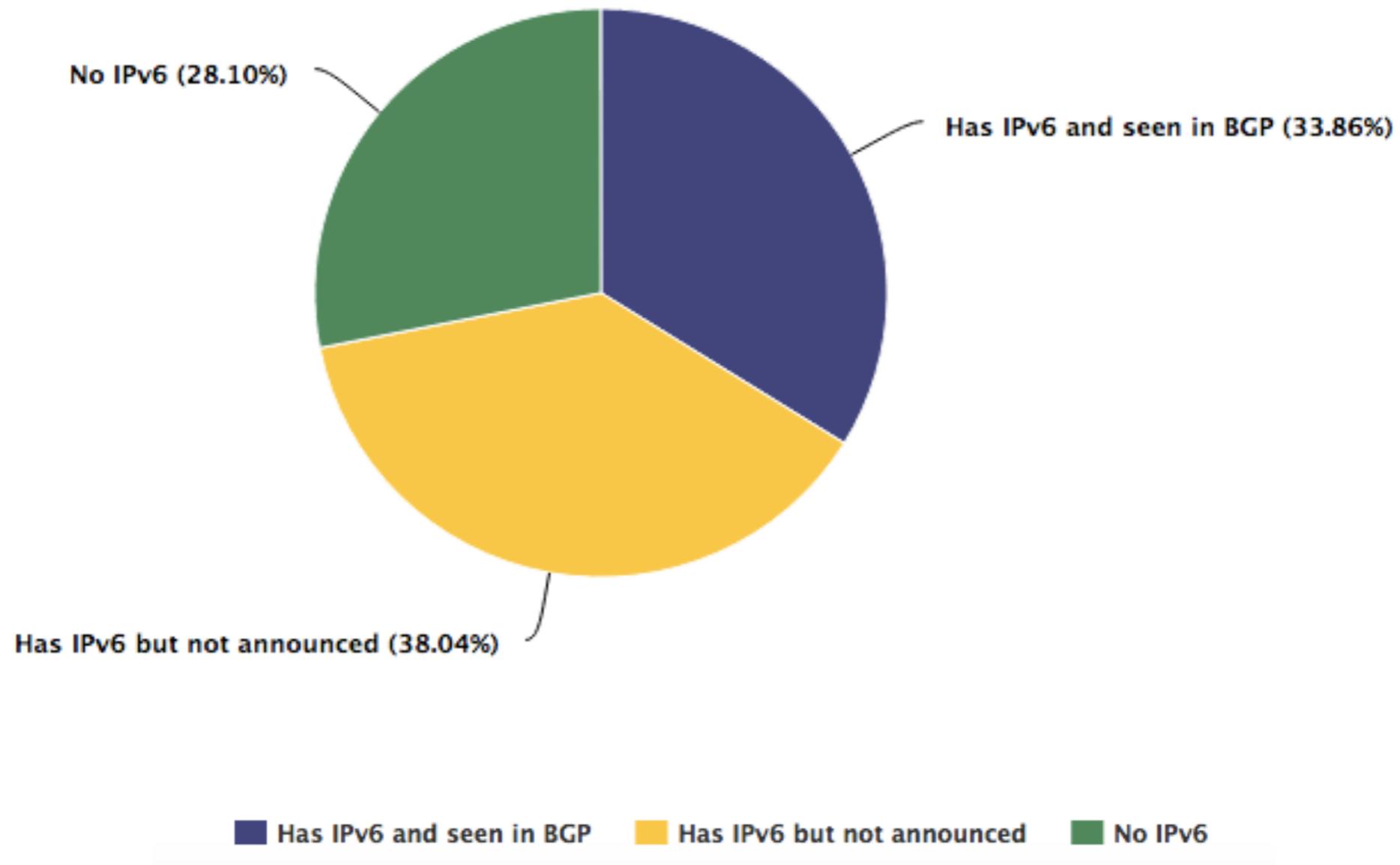


2,227 members from
AM, AZ, BY, EE, FI, GE, KG, KZ, LT, LV, MD, RU, TM, TJ, UA, UZ

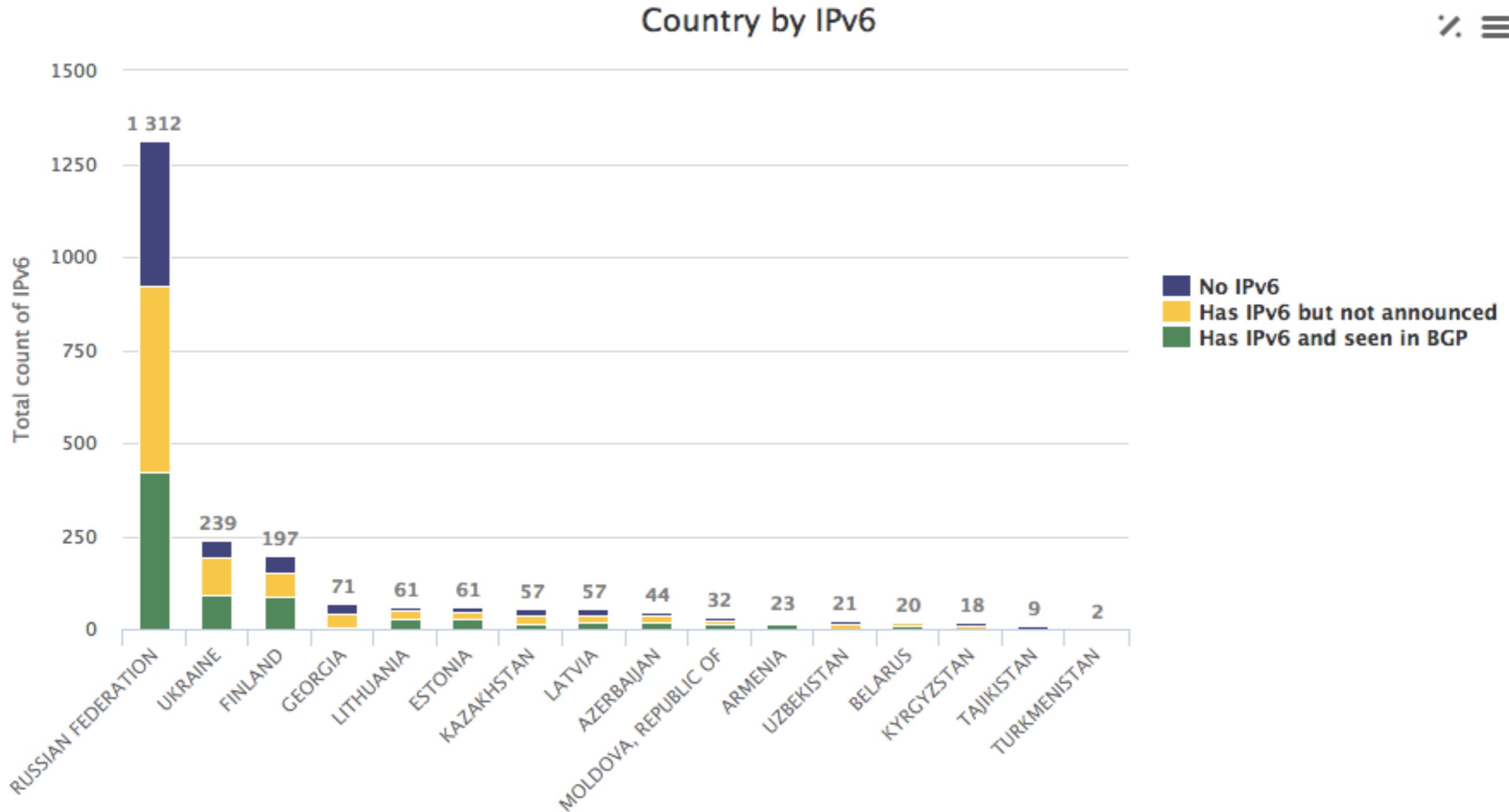
IPv6 Over Time



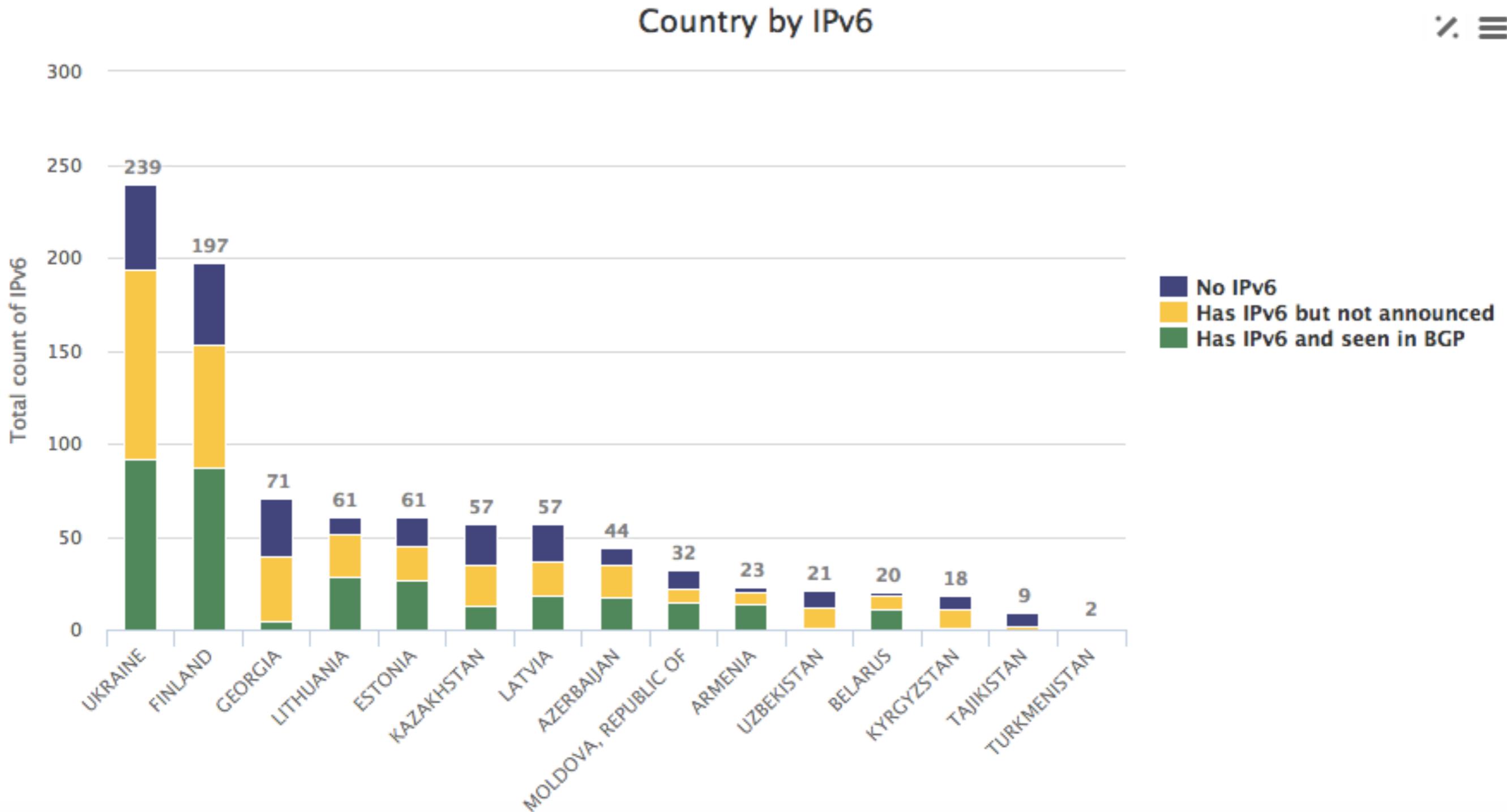
IPv6 Breakdown



IPv6 Breakdown by Country



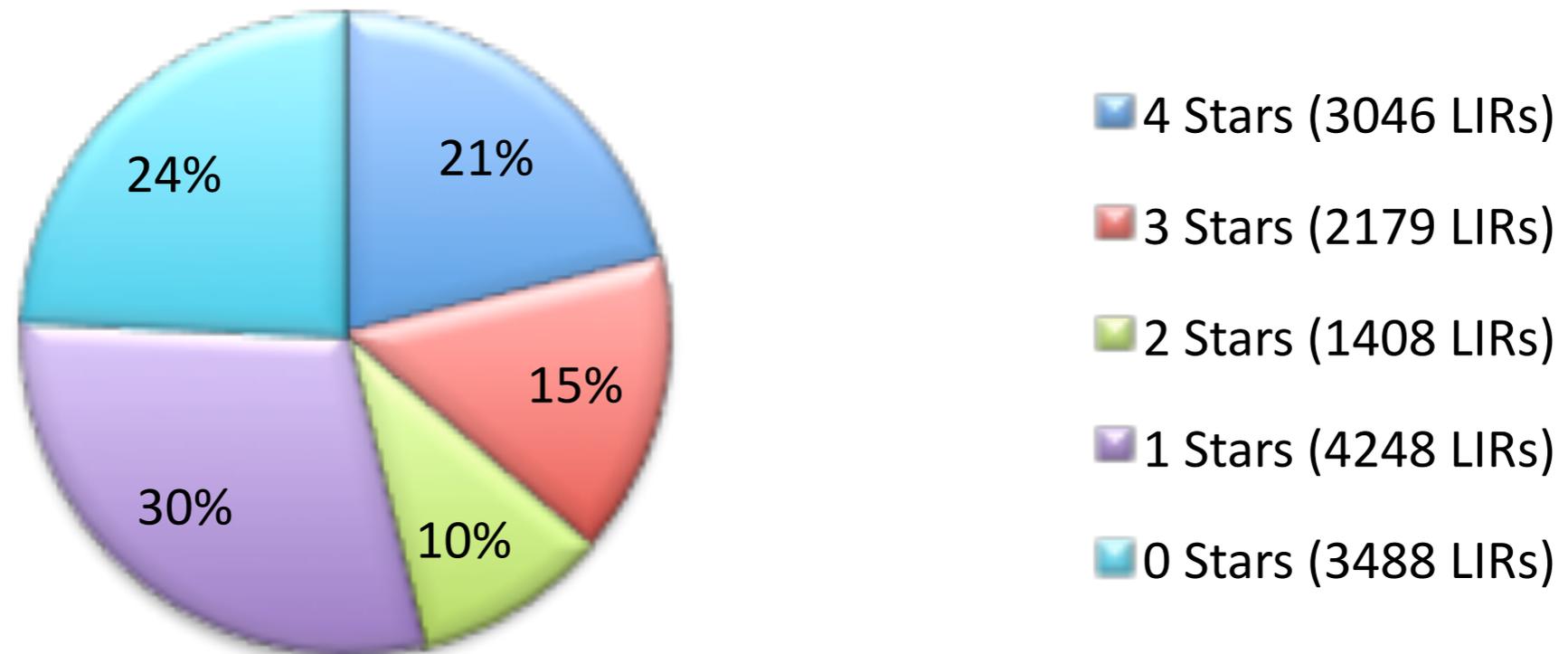
IPv6 Breakdown by Country



IPv6 RIPEness



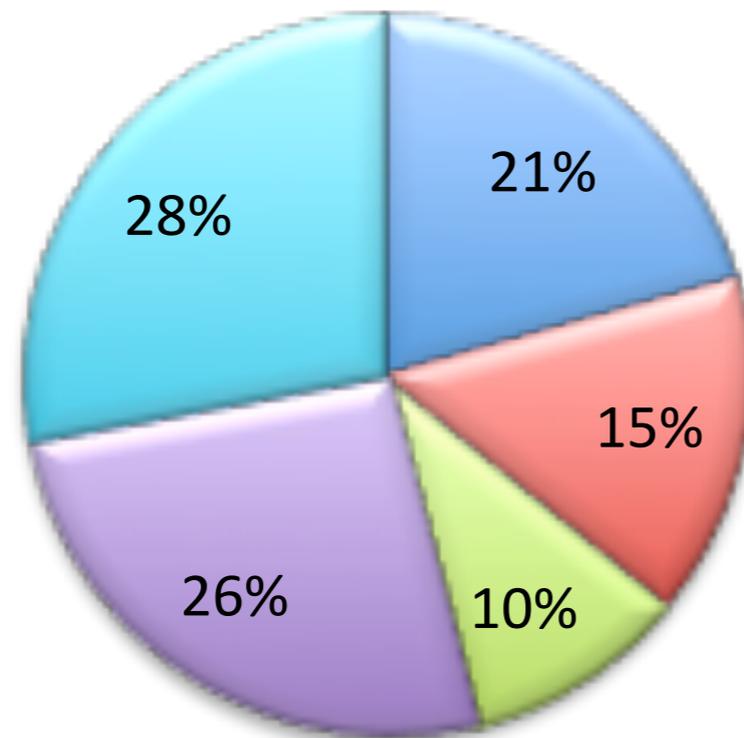
RIPENESS (All Members) 14369 LIRs



IPv6 RIPEness



RIPENESS (ENOG) 2227 LIRs

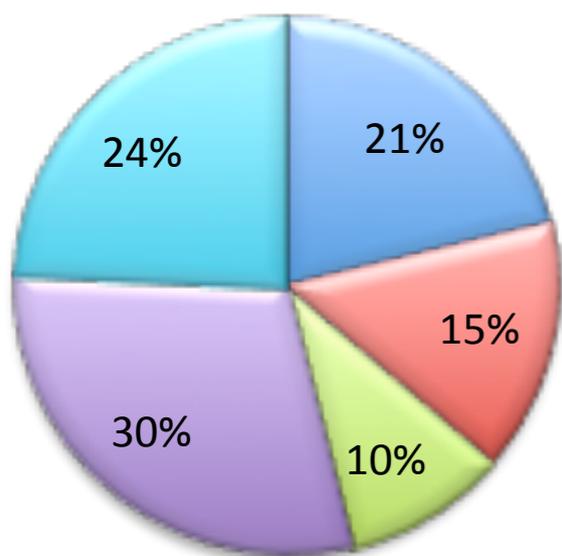


- 4 Stars (459 LIRs)
- 3 Stars (342 LIRs)
- 2 Stars (225 LIRs)
- 1 Stars (579 LIRs)
- 0 Stars (622 LIRs)

IPv6 RIPEness

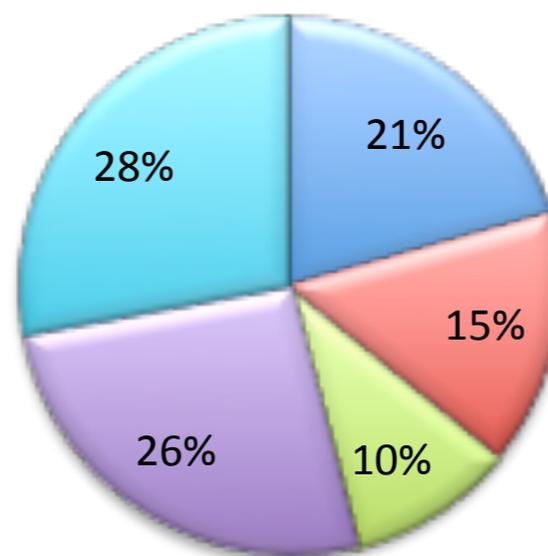


RIPENESS (All Members) 14369 LIRs



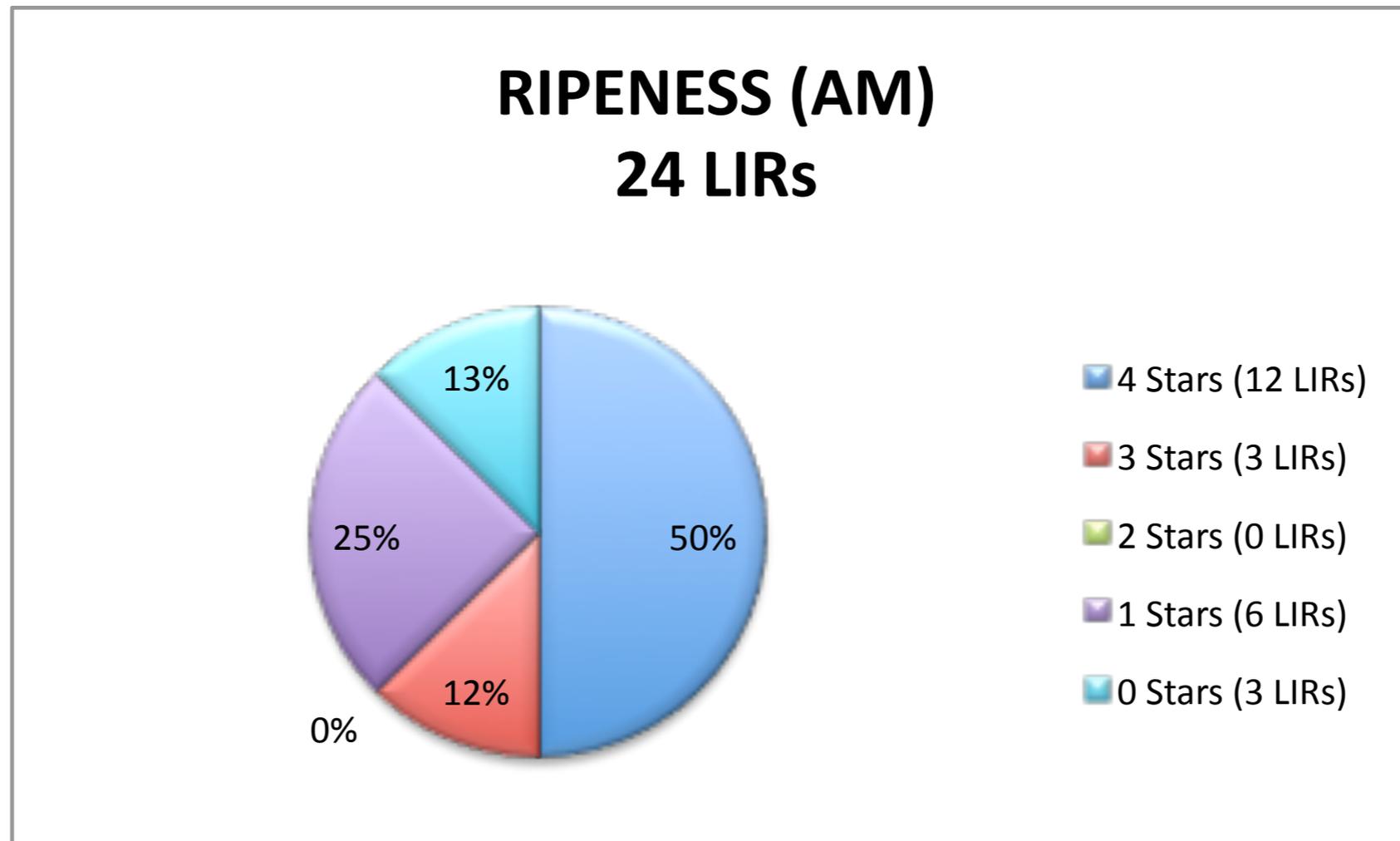
- 4 Stars (3046 LIRs)
- 3 Stars (2179 LIRs)
- 2 Stars (1408 LIRs)
- 1 Stars (4248 LIRs)
- 0 Stars (3488 LIRs)

RIPENESS (ENOG) 2227 LIRs



- 4 Stars (459 LIRs)
- 3 Stars (342 LIRs)
- 2 Stars (225 LIRs)
- 1 Stars (579 LIRs)
- 0 Stars (622 LIRs)

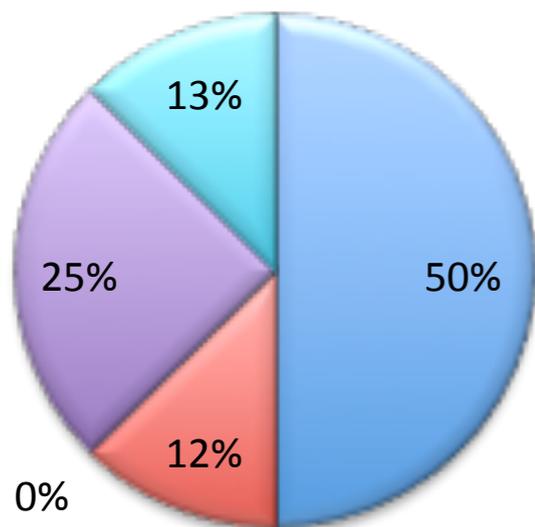
IPv6 RIPEness



IPv6 RIPENESS

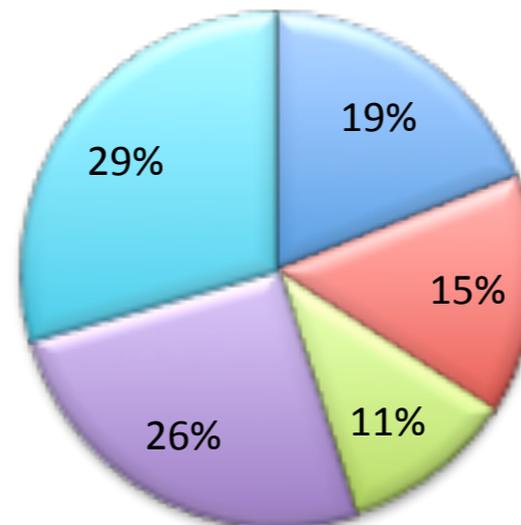


RIPENESS (AM) 24 LIRs



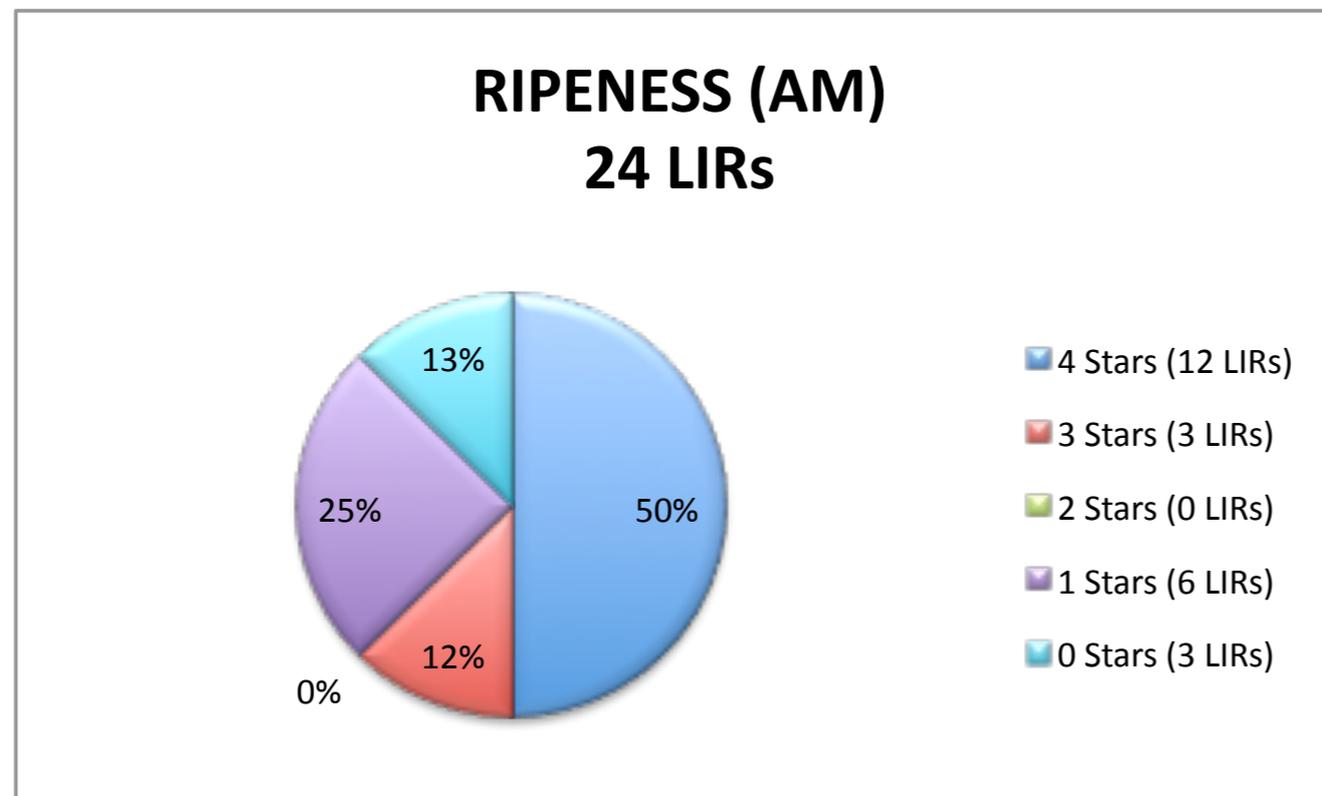
- 4 Stars (12 LIRs)
- 3 Stars (3 LIRs)
- 2 Stars (0 LIRs)
- 1 Stars (6 LIRs)
- 0 Stars (3 LIRs)

RIPENESS (RU) 1313 LIRs



- 4 Stars (250 LIRs)
- 3 Stars (199 LIRs)
- 2 Stars (143 LIRs)
- 1 Stars (335 LIRs)
- 0 Stars (386 LIRs)

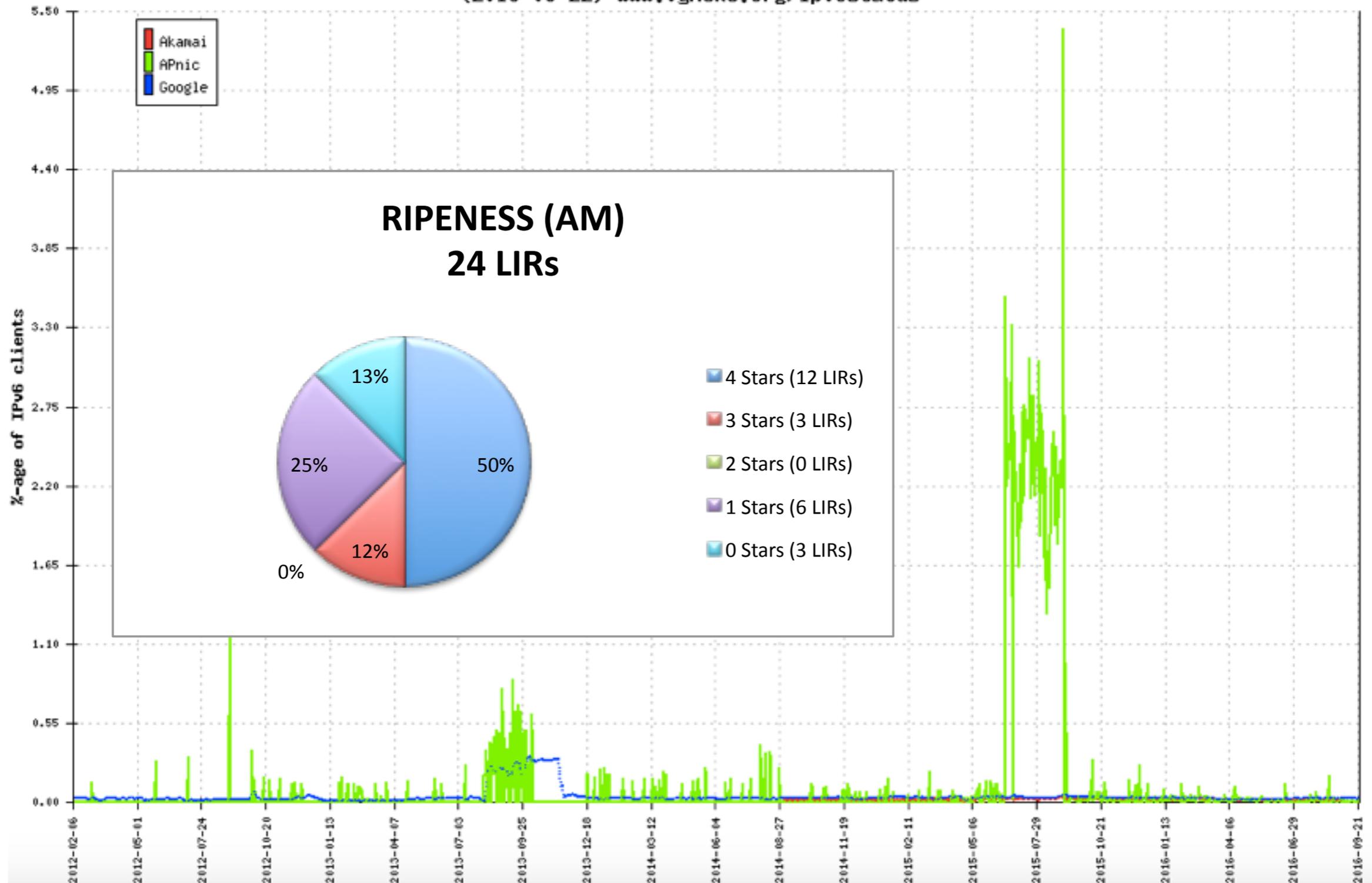
IPv6 RIPEness vs. Traffic



IPv6 RIPEness vs. Traffic



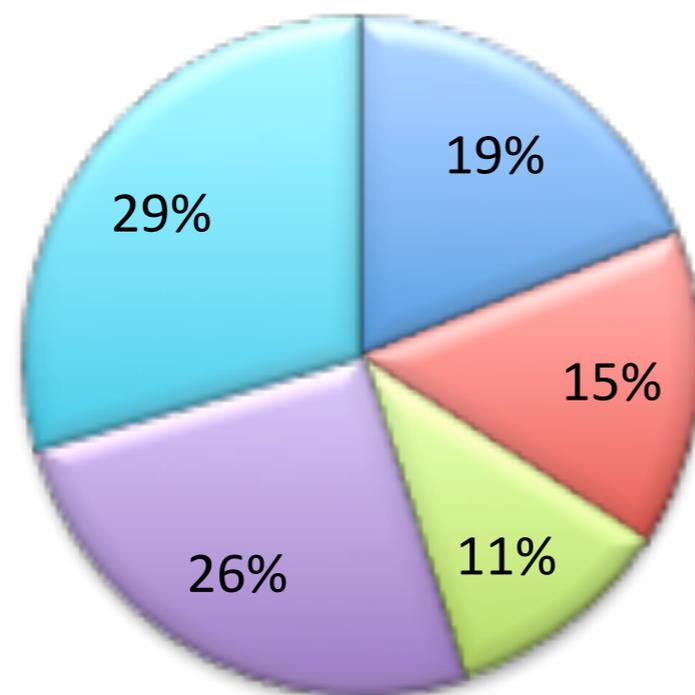
IPv6 Penetration in Armenia as measured by Akamai, APnic and Google
(2016-09-22) www.vyncke.org/ipv6status



IPv6 RIPEness



RIPENESS (RU) 1313 LIRs

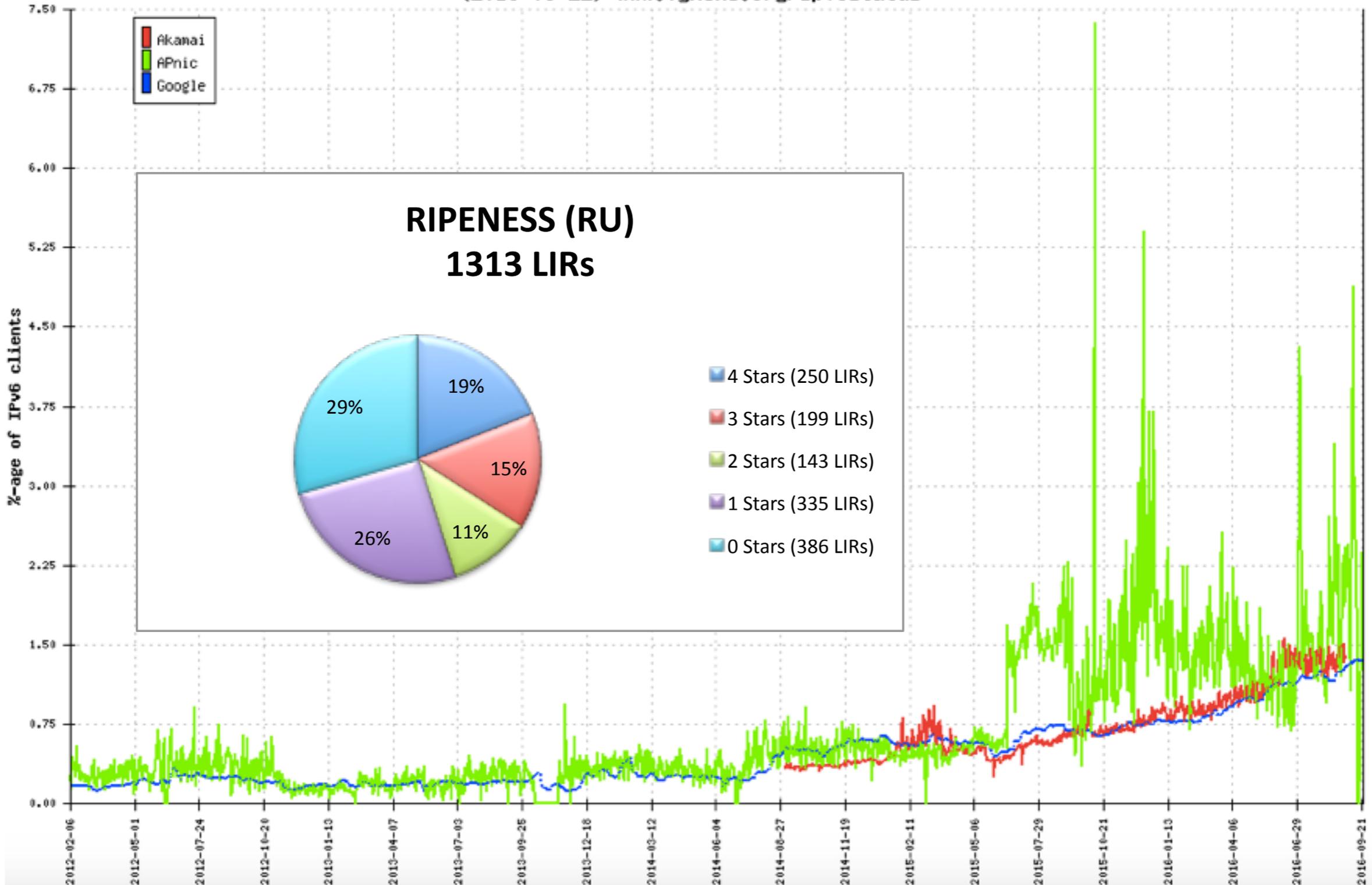


- 4 Stars (250 LIRs)
- 3 Stars (199 LIRs)
- 2 Stars (143 LIRs)
- 1 Stars (335 LIRs)
- 0 Stars (386 LIRs)

IPv6 RIPEness



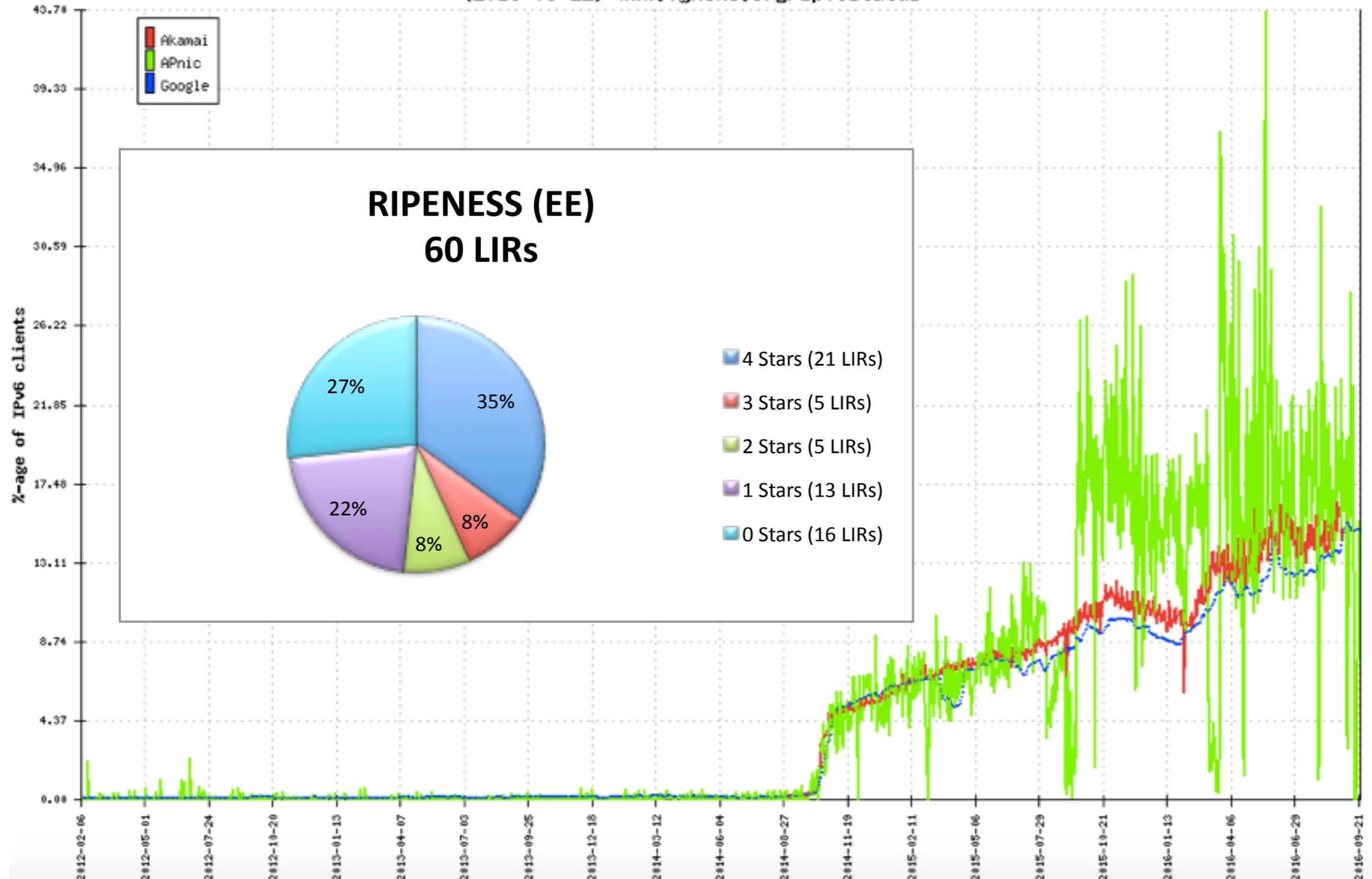
IPv6 Penetration in Russia as measured by Akamai, APnic and Google
(2016-09-22) www.vyncke.org/ipv6status



IPv6 RIPEness



IPv6 Penetration in Estonia as measured by Akamai, APnic and Google
(2016-09-22) www.vyncke.org/ipv6status



So, What's Next?



Requirements for IPv6 in ICT Equipment

Proposal authors:

- **Merike Kão**, <merike@doubleshotsecurity.com>
- **Jan Žorž**, <jan@go6.si>
- **Sander Steffann**, <sander@steffann.nl>

Document ID: ripe-554

Date: June 2012

Obsoletes: ripe-501

IPv6 Troubleshooting for
Residential ISP Helpdesks

[https://www.ripe.net/
publications/docs/
ripe-631](https://www.ripe.net/publications/docs/ripe-631)

Requirements for IPv6 in
ICT Equipment
[https://www.ripe.net/
publications/docs/
ripe-554](https://www.ripe.net/publications/docs/ripe-554)

IPv6 Troubleshooting for Residential ISP Helpdesks

Using test-ipv6.com

ripe-631

Contributors and authors: Lee Howard, John Jason Brzozowski, David Freedman, Jason Fesler, Tim Chown, Sander Steffann, Chris Grundemann, Jen Linkova, Chris Tuska, Daniel Breuer, Jan Žorž

Many thanks to the BCOP Taskforce and the IPv6 Working Group for facilitating and supporting this document.

Ideas, comments and suggestions for improvement? Email v6troubleshooting@go6.si

Case Study: (464XLAT) T-Mobile US Goes IPv6-only



T-Mobile in the United States was running out of IPv4 addresses and needed an IPv6 transition strategy. Their solution was 464XLAT and IPv6-only.

If your organisation doesn't have a plan yet for IPv6, what are you waiting for?

<http://www.internetsociety.org/deploy360/resources/case-study-t-mobile-us-goes-ipv6-only-using-464xlat/>



Questions



hmi@ripe.net