



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update

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Senior Communications Officer

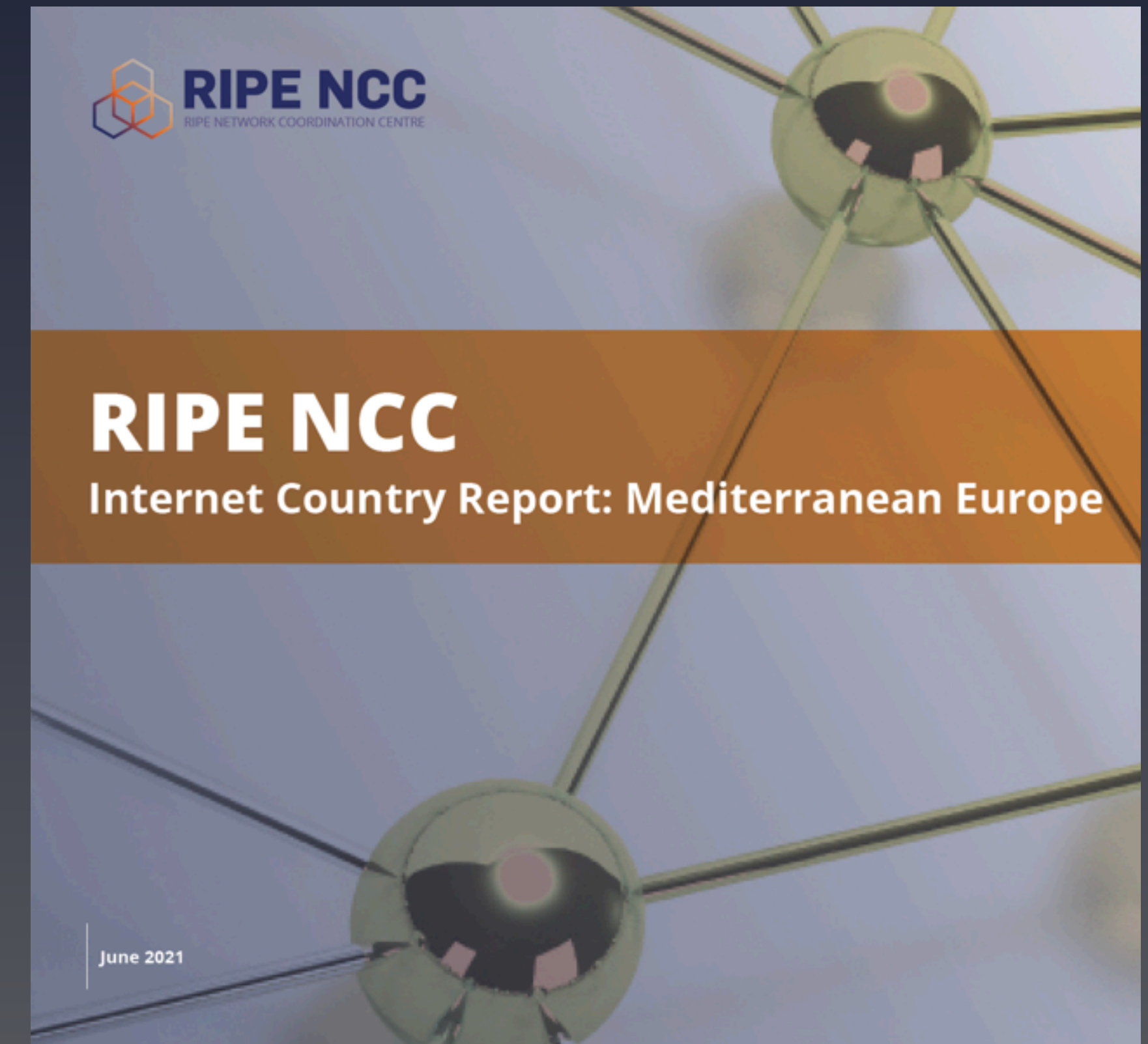


The Internet in Greece

Mediterranean Internet Country Report



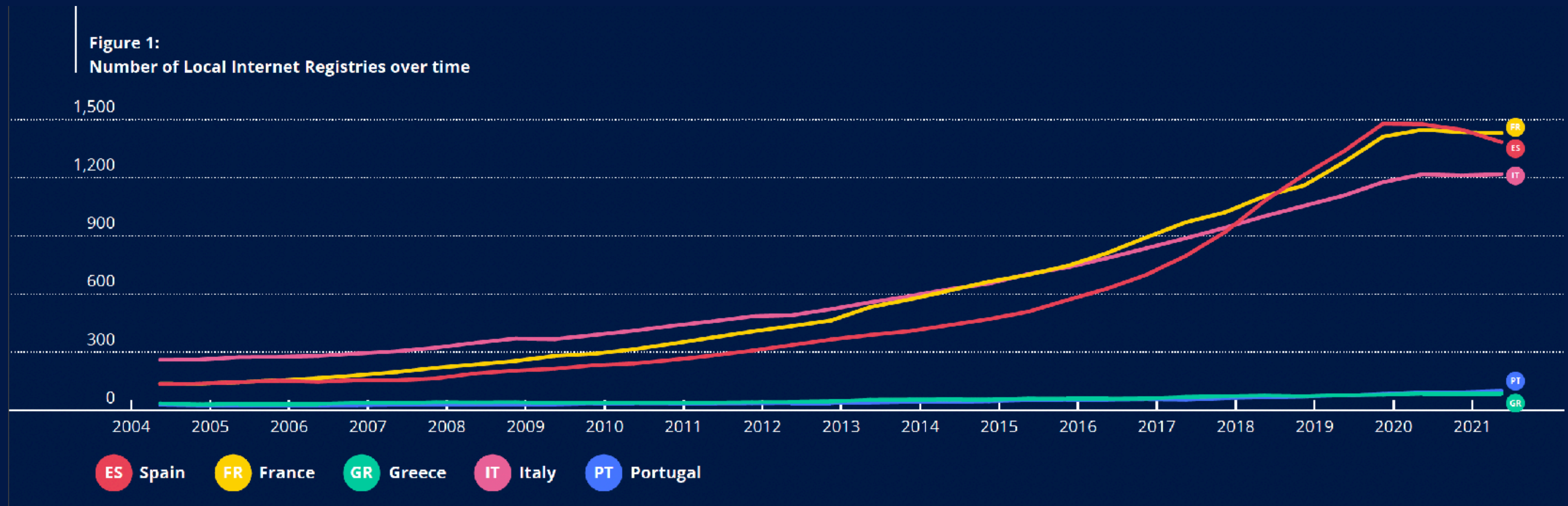
- Focus on Greece, Portugal, Spain, France and Italy
- Analysis of the market landscape and its state of development
- Close look at Internet routing and access to the global DNS
- Investigate connections to the global Internet
- Available on [RIPE Labs](#)



Highlights



- Number of LIRs: 100



Highlights



- IPv4 Holdings: 5,699,072

Figure 3:
IPv4 holdings

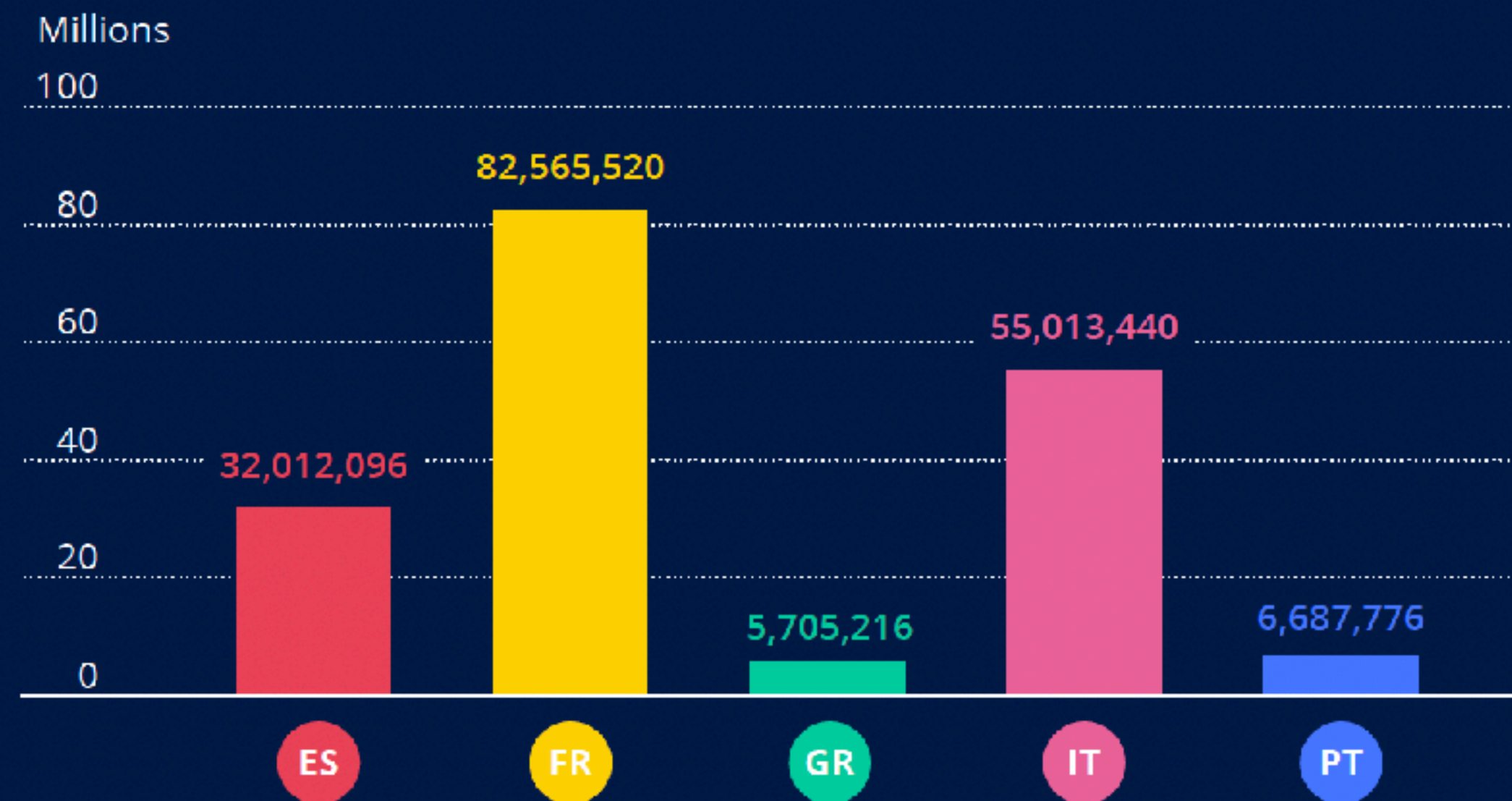
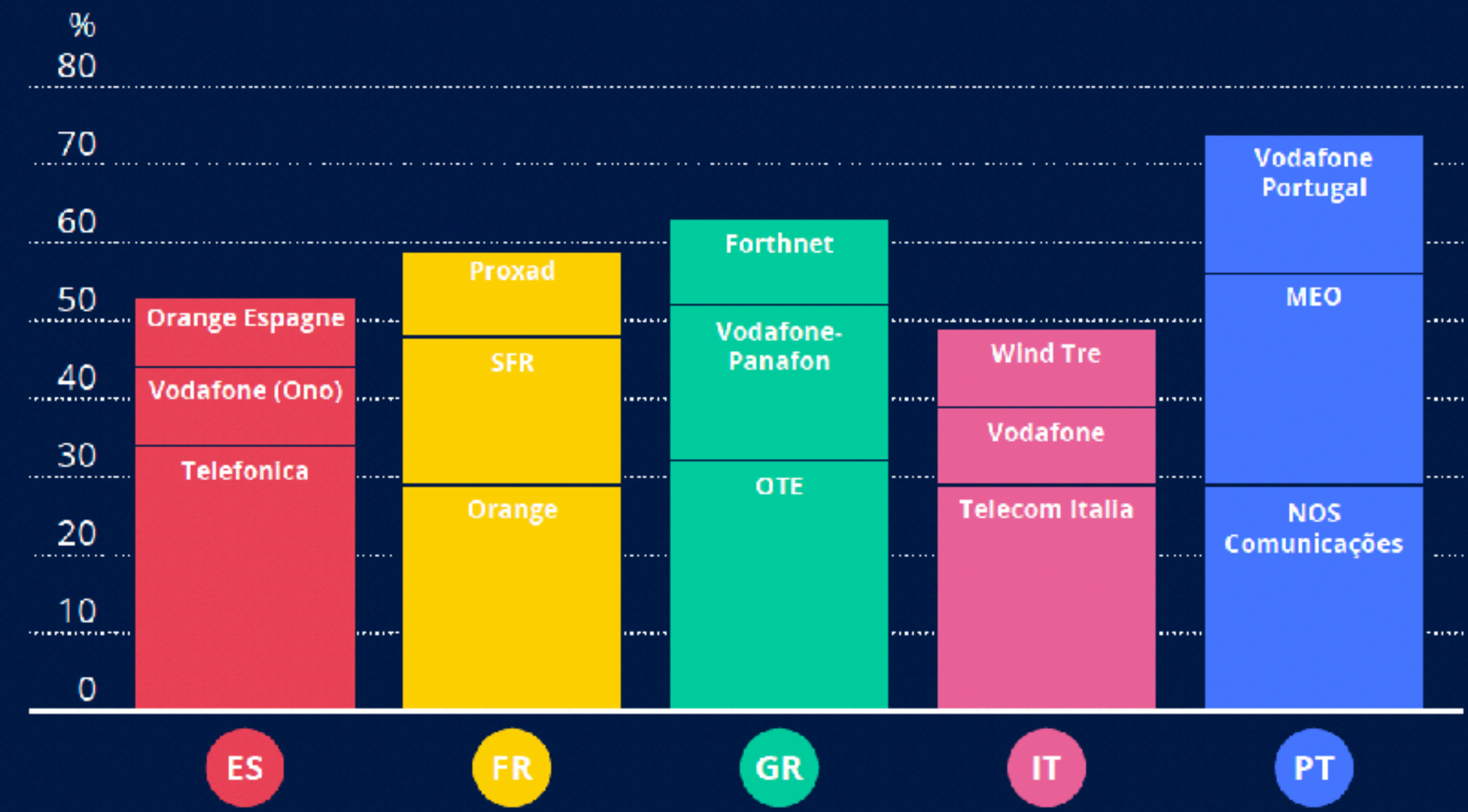


Figure 4:
IPv4 holdings by organisation



Highlights



- IPv6 Allocated /32: 440
- IPv6 Deployment Rate: 47-50%

Figure 9:
IPv6 holdings

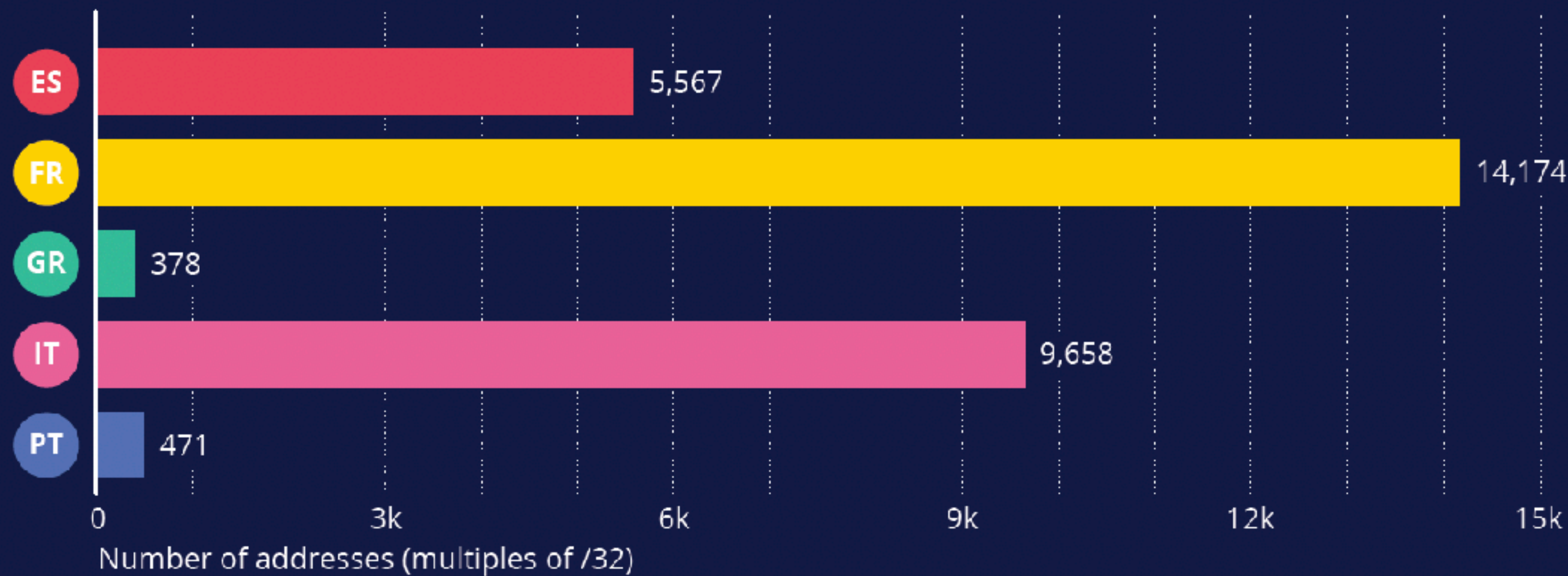
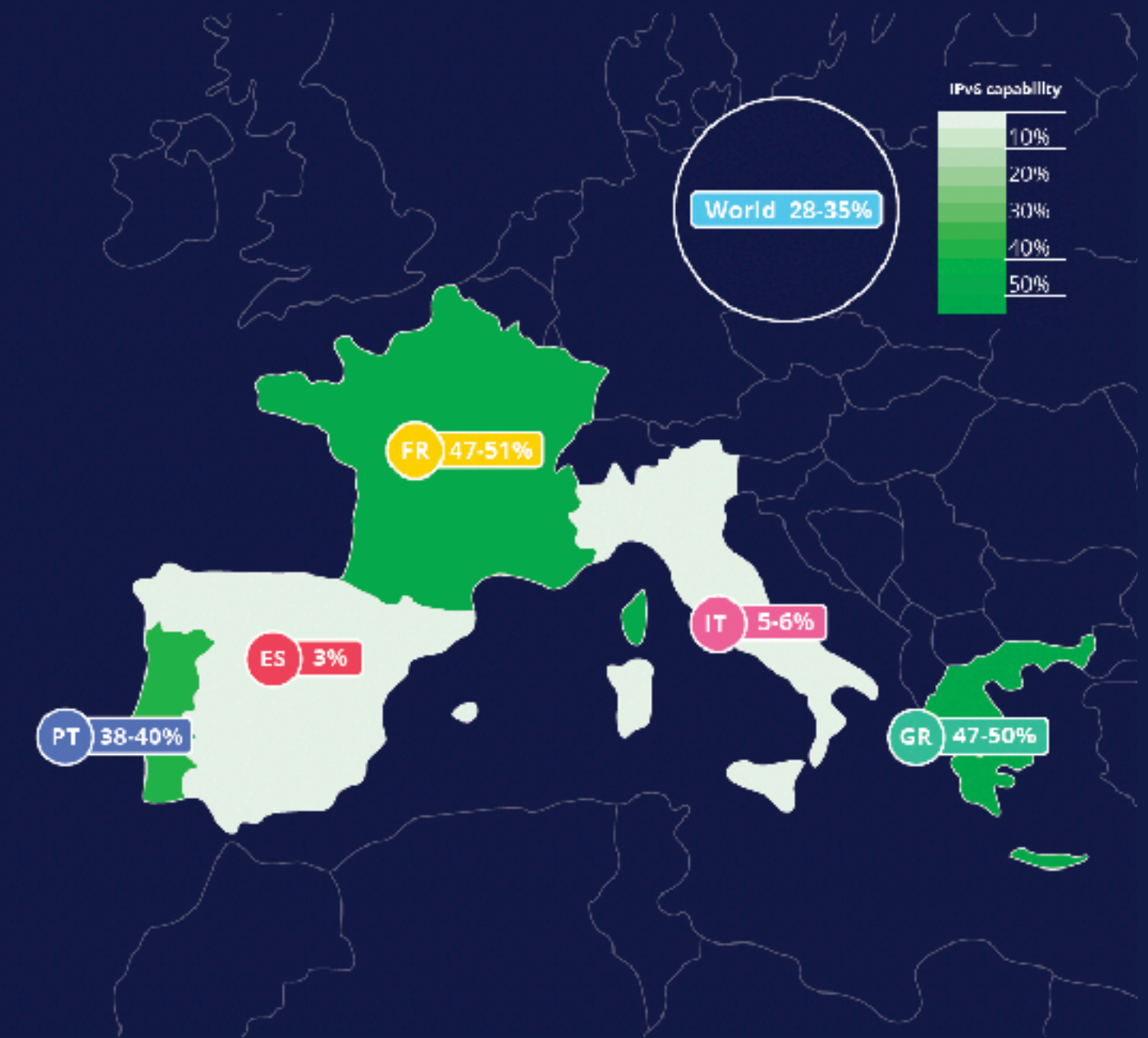


Figure 11:
IPv6 deployment rates



Highlights



- Domestic and international connectivity through RIS

Figure 15:
Connectivity between networks in Greece

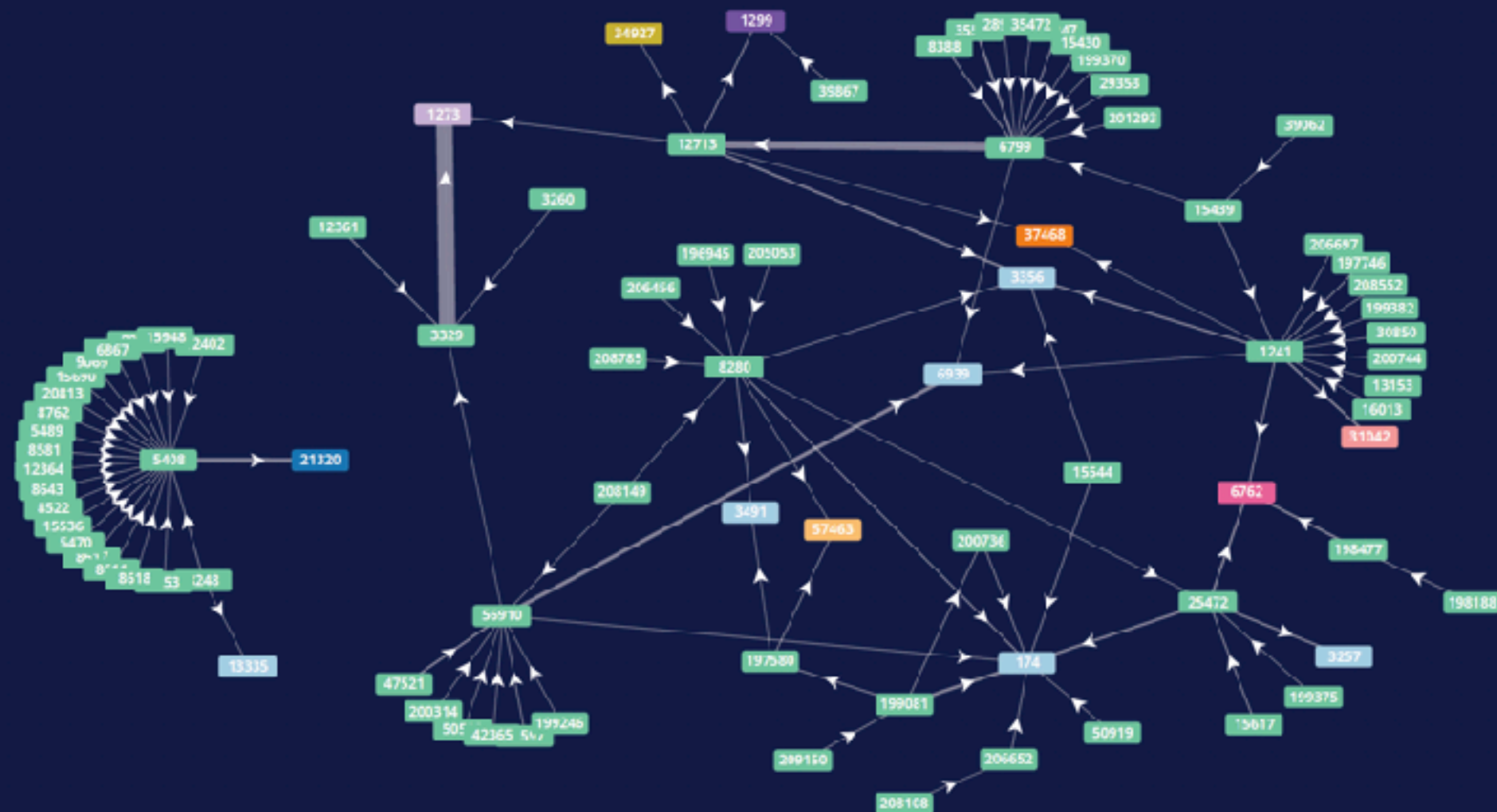
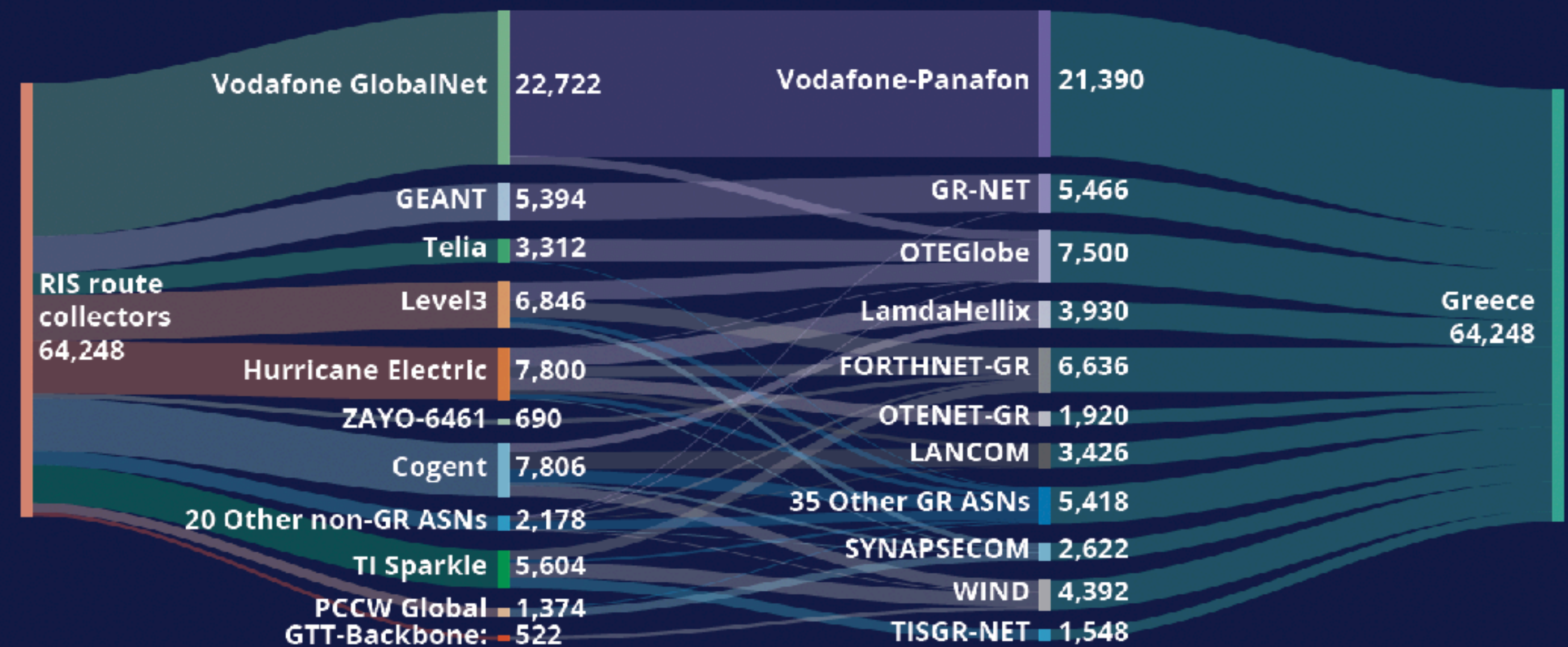


Figure 21:
Greece's international connectivity



Routing Information Service (RIS)



- RIS is our routing data collection platform
- Get insights into the Internet routing system through the tools that make use of RIS data (RIPEstat, BGPalerter, Internet Health Report)
- Up-to-date routing information, as opposed to information in databases and routing registries, such as:
 - What is being announced
 - Which prefixes are seen and where
 - Which prefixes are not seen



Distance from Mediterranean Countries



Average ASPath length in RIS to country's prefixes



Source: <https://observablehq.com/@emileaben/what-peers-would-decrease-as-distance-to-ris-most>

Adonis Stergiopoulos | GRNOG 13 | 29 September 2022



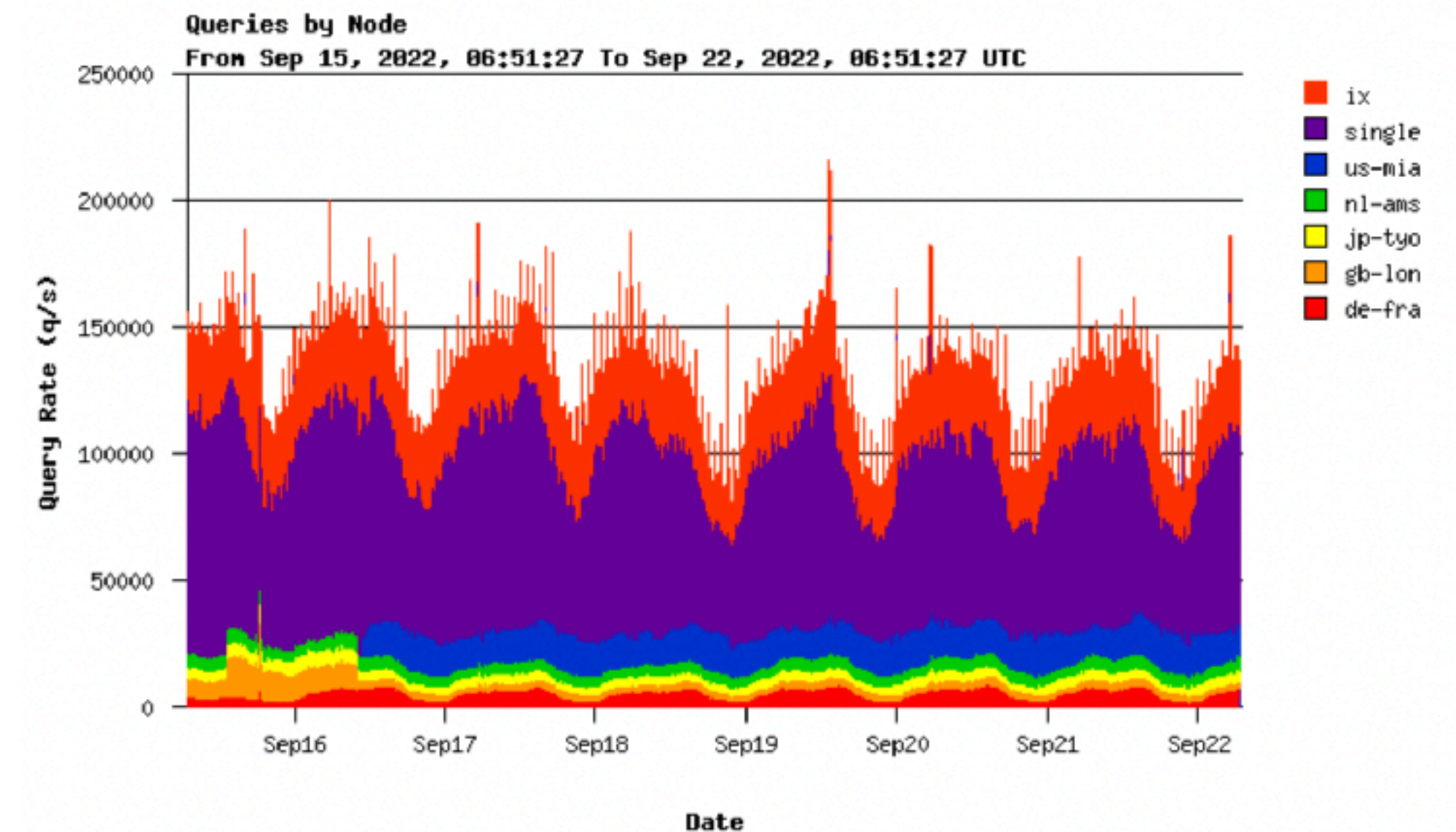
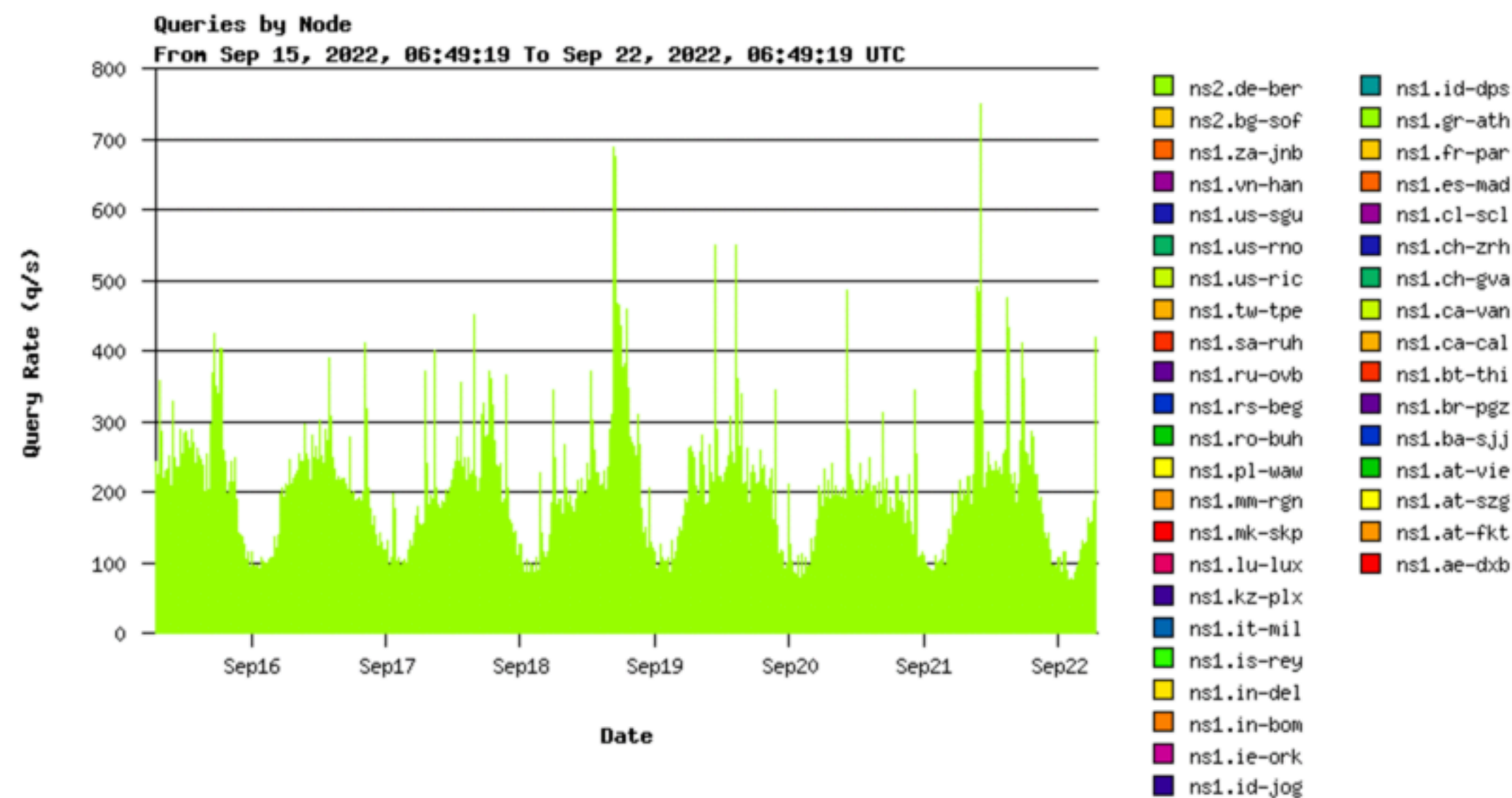
Peer with RIS!

- We are inviting **representative networks** in Greece to peer with RIS
 - Send us an email at ris-peering@ripe.net
 - Send us a [peering request](#)
 - Provide full feed when possible
- Goals
 - Better routing visibility and more security for:
 - ▶ Your network
 - ▶ Greece
 - ▶ The Internet

K-root Infrastructure



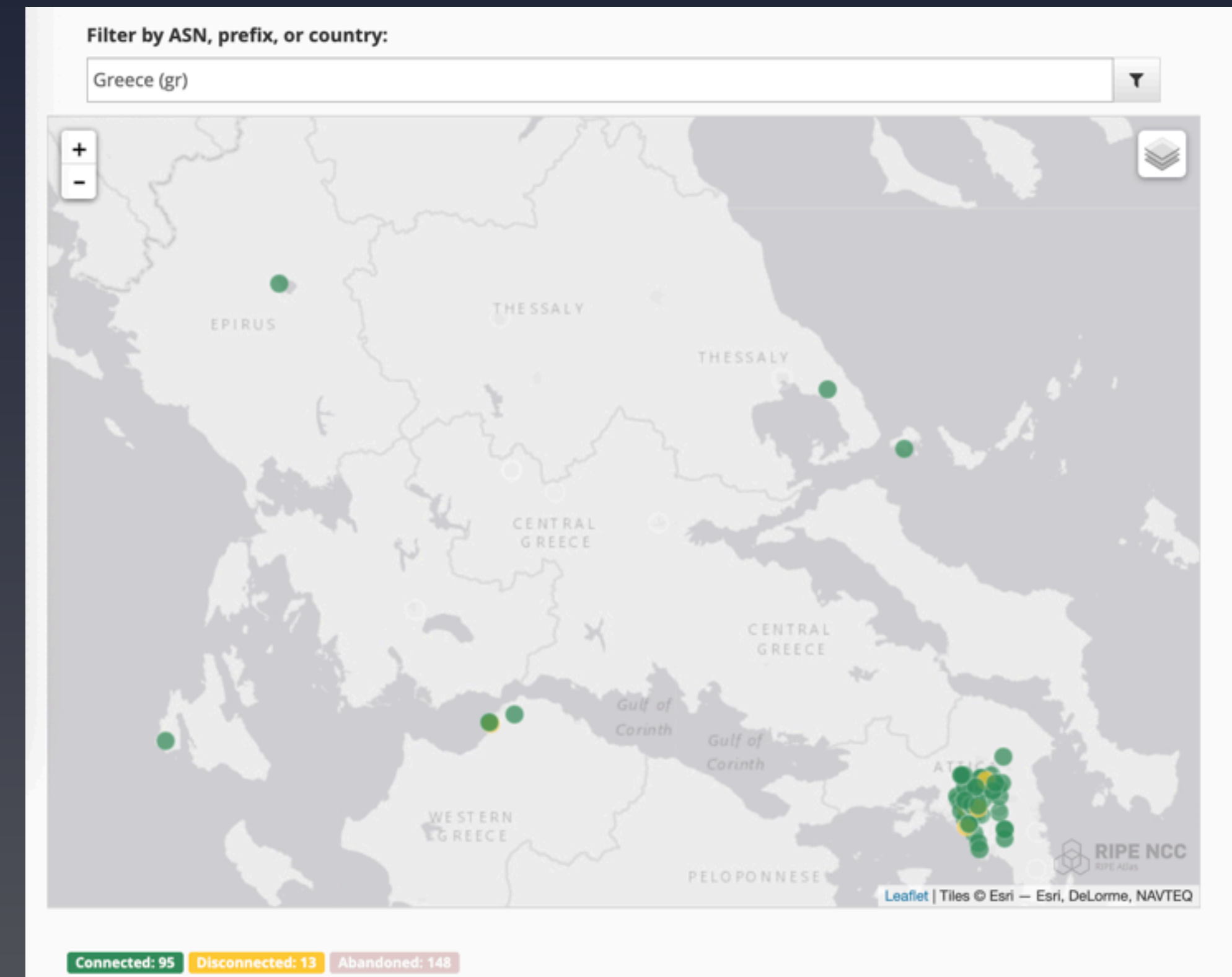
- One of the 13 Internet root name servers
- K-root node in Athens and hosted by GR-IX
- We are open to hosting more hosted nodes outside of Athens
- [Apply to host a node](#)



Help us Expand RIPE Atlas



- There are **66 IPv4-capable** and **38 IPv6-capable** RIPE Atlas probes in Greece, all routed to this instance of K-root
- These ASNs are welcome:
 - 29247 - COSMOTE-GR
 - 12361 - Panafonet-AS
 - 35506 - SYZEFXIS
 - 200736 - INALAN
 - 57794 - HCN-01
 - 208149 - SKYTelecom-AS
- We would like to see some in Central Greece and around Thessaly
- [Apply to host a probe](#)



AuthDNS

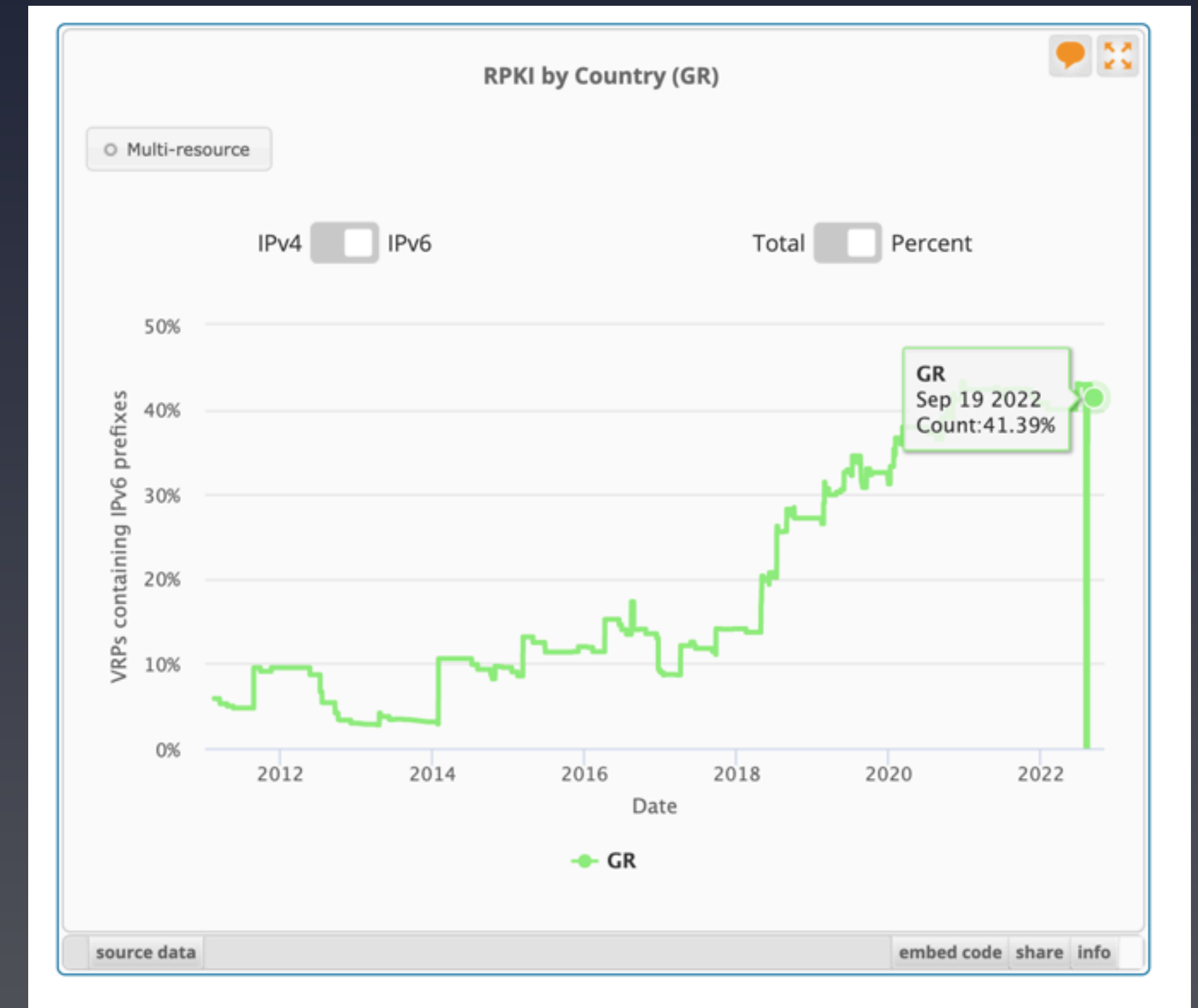


- Hosts reverse DNS zones, ripe.net, and provides secondary service for various ccTLDs
- Three core sites located in Amsterdam, London and Stockholm
- At each core site, a router distributes the DNS queries across multiple servers, running a mix of BIND, Knot DNS and NSD
- Benefits of hosting a node:
 - Faster access to all reverse delegations
 - Improved fault tolerance
 - Improved latency for all reverse DNS lookups
- [Apply to host a node](#)

RPKI Deployment



- RPKI is a security framework that helps network operators make more informed and secure routing decisions
- **93%** of the IPv4 address space in Greece is covered by ROAs
- Don't forget about IPv6 - **only 41%**
- [More information on our website](#)



RPKI Deployment



Figure 29:
IPv4 address space covered by RPKI

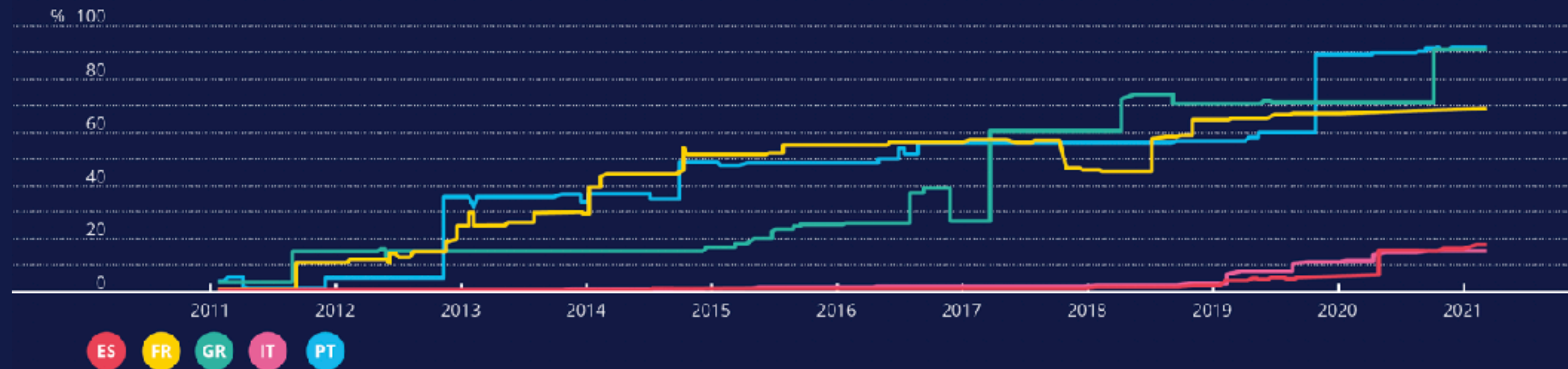
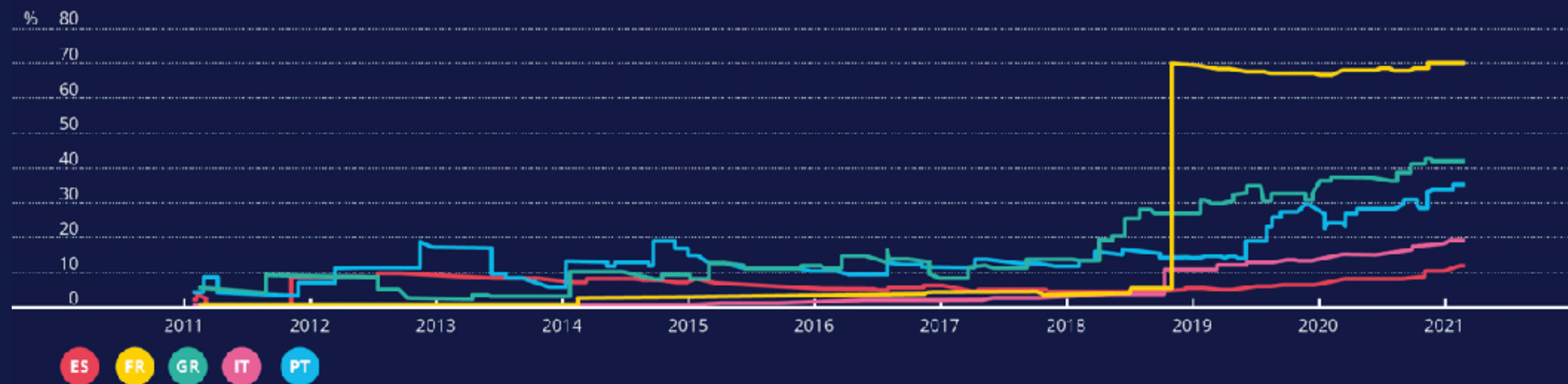


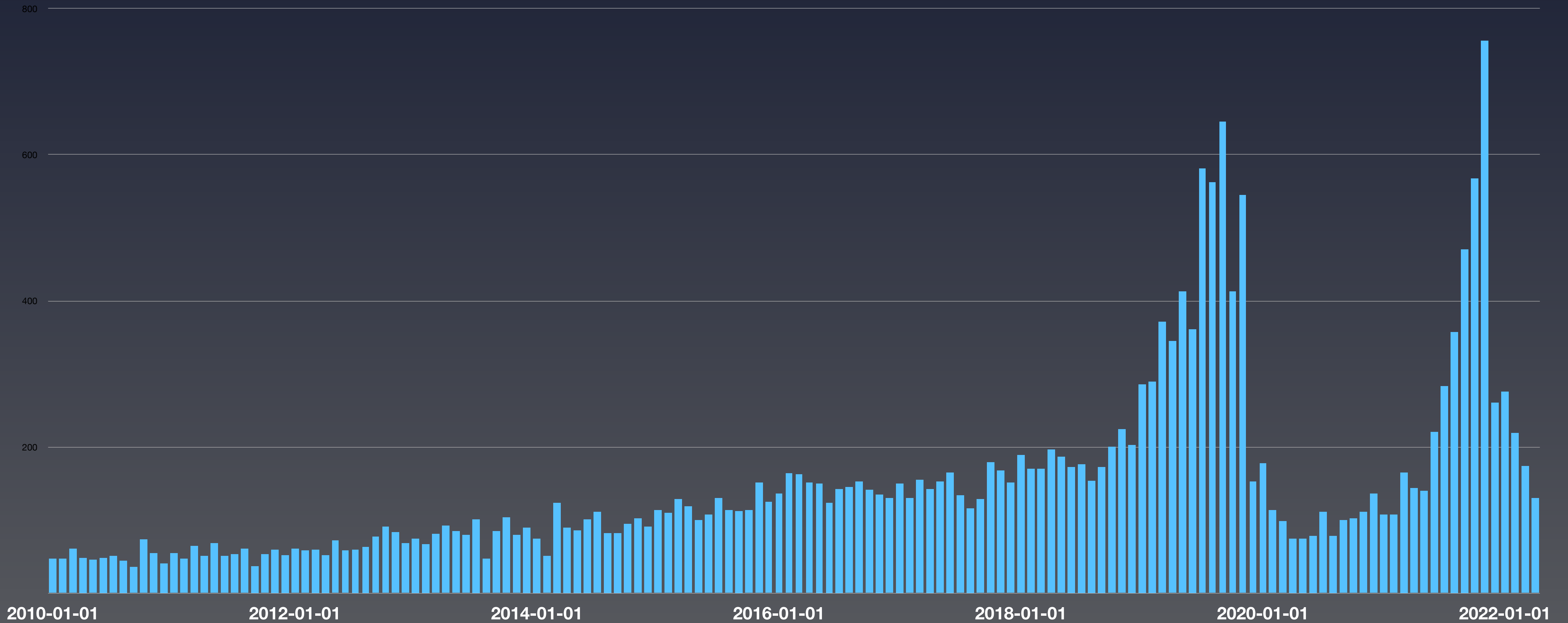
Figure 30:
IPv6 address space covered by RPKI





RIPE NCC
Developments

New LIR Applications



Registry



- Workload remains high
- Number of LIRs on [IPv4 Waiting List](#) currently nearly at 1,000
- New: Live chat feature on ripe.net and in the LIR Portal
- New: RIPE NCC Service Announcements Dashboard
 - <https://status.ripe.net>

Learning and Certification



- Training in Athens:
 - Basic IPv6 - Thursday, 13 October
 - RIPE Database - Friday, 14 October
- Get certified:
 - RIPE Database
 - IPv6 Fundamentals
 - IPv6 Security
- Coming: New BGP Security exam and e-learning course in the making
 - You can already pre-register to get updates



Community Projects Fund



- The RIPE NCC has a fund of €250,000 each year to support projects for the “Good of the Internet”
- Our next call for applications: May 2023
- [Previous projects](#)
- [More information on our website](#)



SEE Regional Meeting



- A regional meetings takes place in South East Europe each year
- We would like to help the Greek community get more involved
- Host next meeting in Greece in 2024?
- [More information about the SEE Regional Meetings](#)



See you at RIPE 85!



- RIPE 85 will be a hybrid meeting in Belgrade from 24-28 October:
 - <https://ripe85.ripe.net/>
- Remote attendance is free and you don't have to attend the entire week
- The RIPE NCC General Meeting (GM) from 26-28 October:
 - <https://www.ripe.net/participate/meetings/gm/meetings/october-2022>
- RIPE NCC Members can register for the GM to vote on resolutions:
 - <https://my.ripe.net/#/meetings/active>



Get to a RIPE Meeting for Free



- New LIR? Use your free tickets!
- Participate in the [RIPE Labs competition](#)
 - Previous winner: Pavlos Sermpezis for his article, [Bias in Internet Measurement Infrastructure](#)
- Apply to the [RIPE Fellowship Programme](#) and get basic assistance
- Present your academic research via the [RIPE Academic Cooperation Initiative \(RACI\)](#)
- New deadlines will be announced soon

NOGs Participants Survey



- Only take five minutes
- We want your views on:
 - Channels to stay connected
 - Important topics for NOGs to discuss
 - Challenges that prevent you from attending NOGs
- [Link to survey](#)





Questions



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