



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update

Hisham Ibrahim
Chief Community Officer

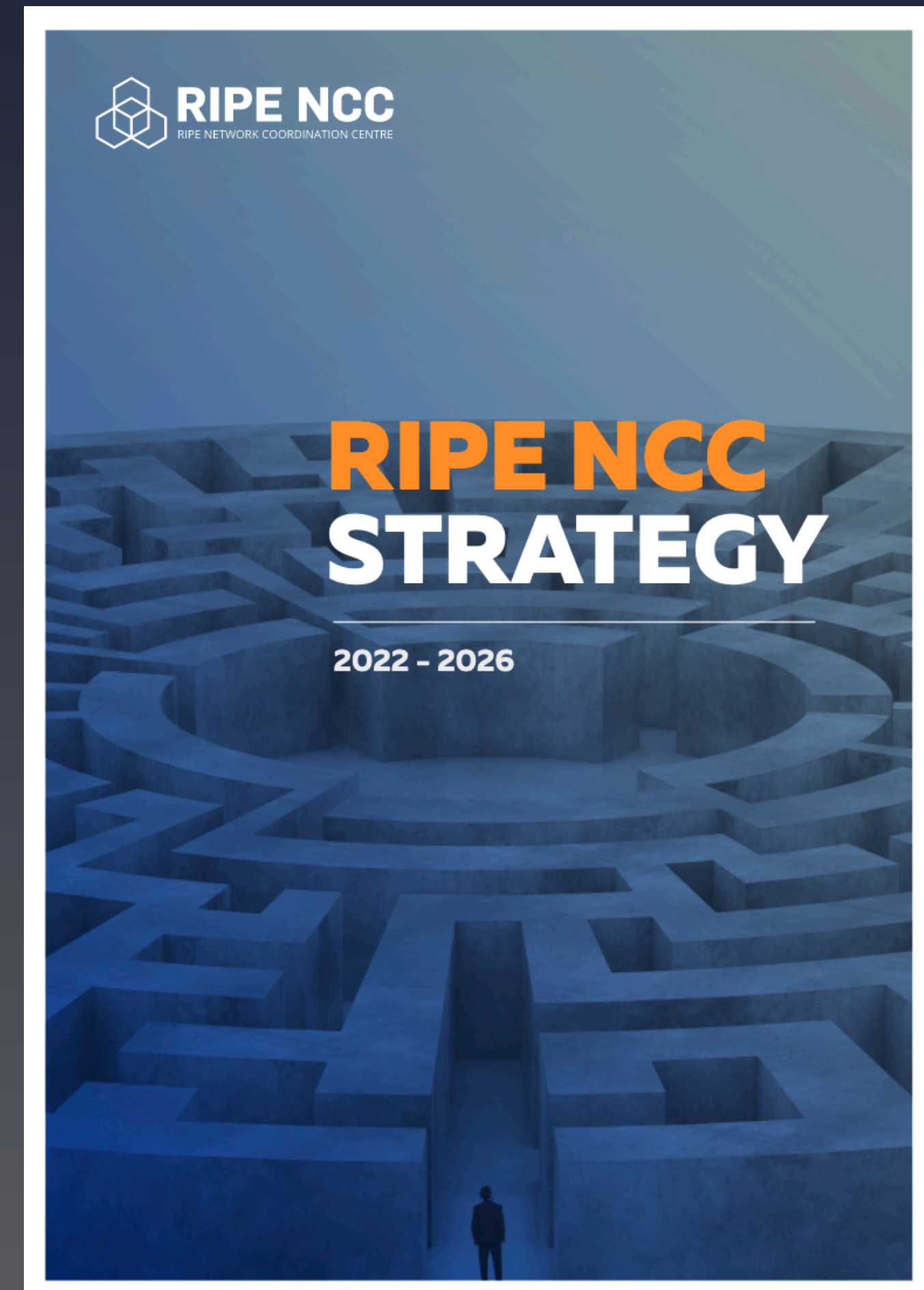
Hisham Ibrahim | SEE 10 | 11-12 April 2022

Mapping the Way Forward



- New strategy that looks ahead to the next five years
- Provides direction to strengthen our position within the Internet ecosystem
- Will inform our Activity Plans going forward

<https://www.ripe.net/publications/news/announcements/ripe-ncc-strategy-2022-2026-published>



Mission



- As an authority on unique Internet number resources, we enable people to operate and develop the Internet
- As the secretariat for the RIPE community, we are a trusted steward of the open, inclusive, collaborative Internet model, engaging and connecting people and communities
- As a neutral source of information and knowledge, we actively contribute to the stability and evolution of the Internet

Strategic Objectives



1. Support an open, inclusive and engaged RIPE community
2. Operate a trusted, efficient, accurate and resilient Registry
3. Enable our members and community to operate one secure, stable and resilient global Internet
4. Maintain a stable organisation with a robust governance structure
5. Attract engaged, competent and diverse staff

2021 Annual Report and 2021 Financial Report



- Our 2021 Annual Report and 2021 Financial Report are now online:
 - ripe.net/Annual-Report-and-Financial-Report-2021-Published
- Highlights include:
 - Stats on Internet number resource allocations and transfers
 - Updates on RIPE NCC services
 - An overview of our public policy consultations
 - Tracking our commitments from the 2021 Activity Plan and Budget





**What we've been
working on**

Responses to War in Ukraine (1)



- An Open Internet Remains the Goal
 - “The RIPE NCC has spent the past 30 years working to support a stable Internet [...] we cannot take or support any measures that risk undermining the Internet’s technical foundations”
 - https://labs.ripe.net/author/hans_petter_holen/an-open-internet-remains-the-goal/
- RIPE NCC Executive Board Resolution on Provision of Critical Services
 - “...the means to communicate should not be affected by domestic political disputes, international conflicts or war.”
 - <https://www.ripe.net/publications/news/announcements/ripe-ncc-executive-board-resolution-on-provision-of-critical-services>

Responses to War in Ukraine (2)



- Informed Ukrainian members that they do not risk closure if they cannot pay their invoices on time
- Tracking all developments relating to Ukraine and Russia on a dedicated page on our website:
 - <https://www.ripe.net/participate/member-support/the-ripe-ncc-and-ukraine-russia/>

Analyses of Internet in Ukraine and Russia



- Our research team, led by Emile Aben, has been studying the impact of the invasion on Ukrainian and Russian Internet
 - The Ukrainian Internet
<https://labs.ripe.net/author/emileaben/the-ukrainian-internet/>
 - The Resilience of the Internet in Ukraine
<https://labs.ripe.net/author/emileaben/the-resilience-of-the-internet-in-ukraine/>
 - How is Russia Connected to the Wider Internet?
<https://labs.ripe.net/author/emileaben/how-is-russia-connected-to-the-wider-internet/>
- TL;DR: Internet has remained fairly stable in both countries so far

Registry



- Sharp increase in the number of transfers over 2021
- Additional staff supporting our Registry Services
- Extra work in terms of EU sanctions compliance
 - Automating checks against sanctions list in response
- Looking at ways to improve efficiency and response times
 - Long-term solution will involve greater automation and digitisation
- Number of LIRs on IPv4 Waiting List is growing (709 currently)
 - <https://www.ripe.net/manage-ips-and-asns/ipv4/ipv4-waiting-list>

Sanctions Compliance



- Represents a significant increase in our workload
- Fresh sanctions against Russia are being issued regularly
- All potential cases treated as if they are sanctioned until our staff have conducted an investigation
- Recently published an update on RIPE Labs:
<https://labs.ripe.net/author/athina/eu-sanctions-and-our-russian-membership/>
- We now publish quarterly sanctions transparency reports:
<https://www.ripe.net/publications/docs/ripe-776>
 - Next report due later this week

AuthDNS



- Network operators can now host an AuthDNS instance in their own network
- Benefits include:
 - Faster access to all reverse delegations
 - Improved fault tolerance
 - Improved latency for all reverse DNS lookups
- You can apply to host an AuthDNS node: <https://hosted-dns.ripe.net/>



RIPE Atlas



- Building a better network:
 - We have more than 11,100 probes spread out across 5,000+ ASNs in 169 countries
 - Next year we will begin distributing new version five hardware probes to maintain the network
- Improved sponsorship model:
 - Our goal is to cover at least the top five ASNs from all underrepresented regions
 - Sponsorship helps us expand the RIPE Atlas network
 - We have improved our sponsorship packages with more benefits, exposure and incentives



[https://atlas.ripe.net/get-involved/
become-a-sponsor/](https://atlas.ripe.net/get-involved/become-a-sponsor/)

E-learning and Certification



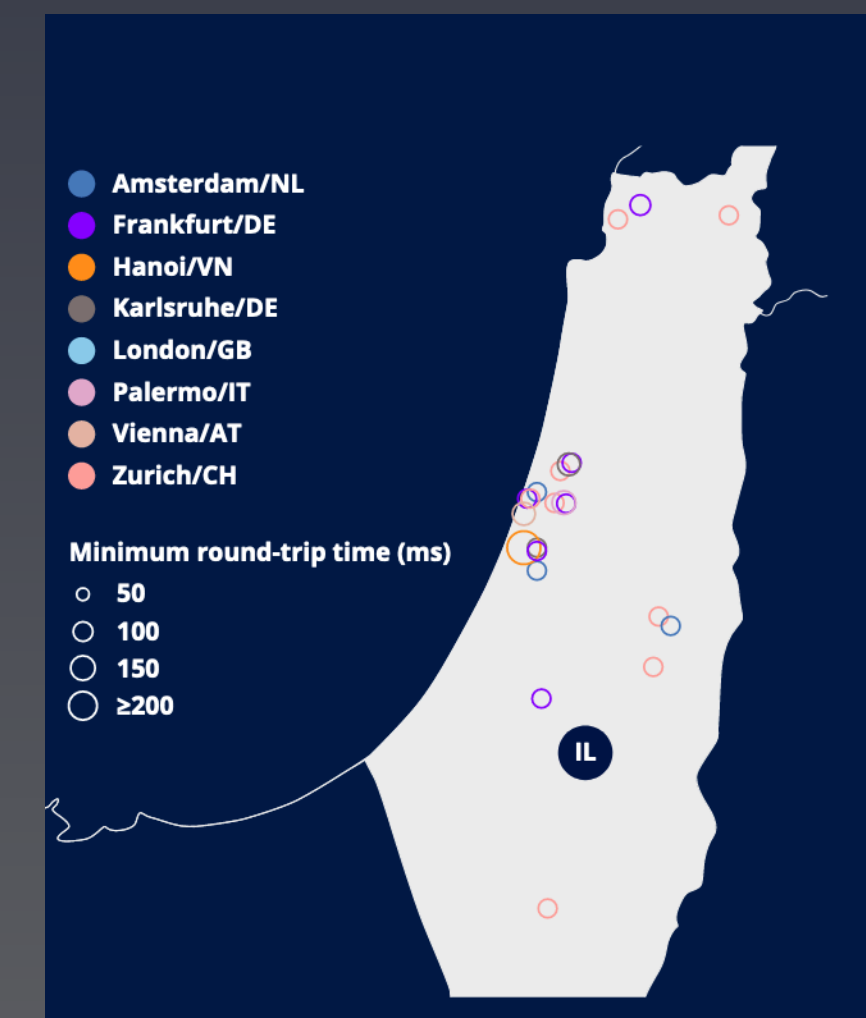
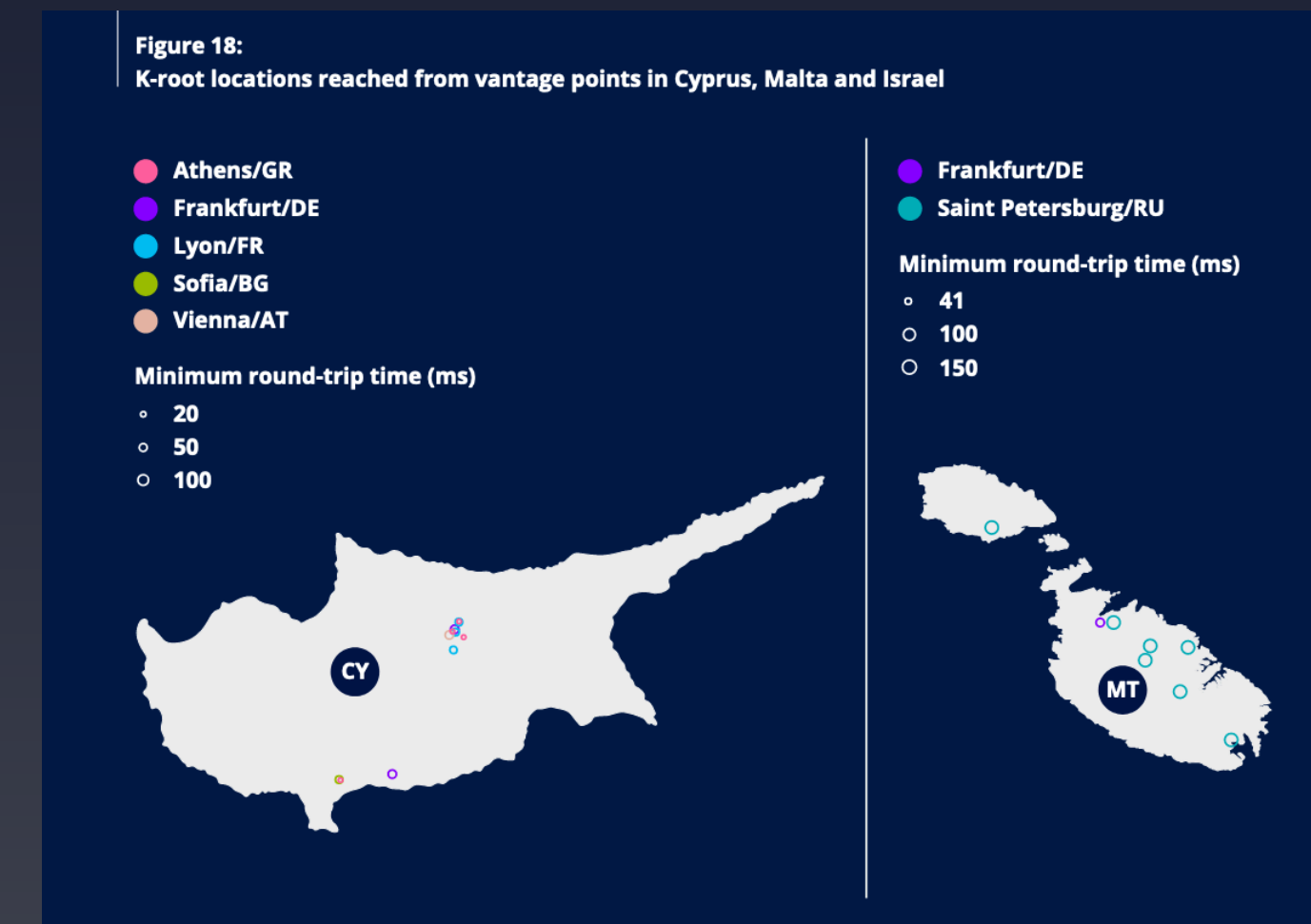
- RIPE NCC Certified Professionals: IPv6 Security Expert exam is now live
- RIPE NCC Academy has new content:
 - Updated version of the IPv6 online course
 - IPv6 Security online course
 - *New* virtual lab activities and environment
- Microlearnings are now available
- We also have onsite Certified Professional Exams available at SEE 10





Internet Country Report: Cyprus, Israel and Malta

- Looked at the Internet landscape in Cyprus, Israel and Malta
- Key findings:
 - High levels of Internet penetration and a large amount of IPv4 per capita
 - Lack of IPv6 deployment in Malta and Cyprus; Israel follows global average
 - Good amount of interconnection and resiliency in all three countries
 - Highly dependent on submarine cables for their connectivity
- https://labs.ripe.net/author/suzanne_taylor_muzzin/ripe-ncc-internet-country-report-cyprus-israel-and-malta/



RIPE Labs



- Sharing ideas and perspectives from RIPE NCC staff and the wider community
- The winner of the first RIPE Labs article competition has been announced
- The RIPE Labs podcast is live <https://labs.ripe.net/>



The RIPE Labs Article Competition

Community Projects Fund



- The RIPE NCC has a fund of €250,000 each year to support projects that work for the “Good of the Internet”
- Examples of projects we’ve funded include:
 - BGP Hijacking Observatory
 - NRTM v4
 - Virtual School of Internet Governance
 - RPKI Ecosystem Health Monitoring
 - Internet Health Report

<https://www.ripe.net/support/cpf>



Interested in working with us?



- The RIPE NCC has a number of vacancies:
 - Internet Resource Analyst
 - Risk & Compliance Manager
 - System Engineer - DevOps
 - Software Engineer
- Join our dynamic, international team working for the good of the Internet
 - <https://www.ripe.net/about-us/staff/careers-at-the-ripe-ncc>

Internet Measurement Days (IMDs)



- A platform to discuss useful Internet measurement tools and instruments, as well as experiences and best practices
- Previous IMDs were in Armenia (12 February 2021), Czech Republic (14 December 2021) and Georgia (17 February 2022)
- Planned events:
 - Internet Measurement Day: Central Asia
 - Internet Measurement Day: Central and Eastern Europe
- Let us know if you'd like to help us organise one in your country!

Call for Host for SEE 11



- Would you like to be our host for SEE 11 from 3-4 April 2023?
 - <https://www.ripe.net/participate/meetings/regional-meetings/see/see-11/call-for-host>
- Hosting guarantees your organisation excellent visibility in the SEE and RIPE communities
- Interested? Send your proposal to seeurope@ripe.net by 9 May 2022

See you at RIPE 84!



- RIPE 84 takes place as a hybrid meeting in Berlin from 16-20 May:
<https://ripe84.ripe.net/>
- The RIPE NCC General Meeting (GM) will be from 18-20 May:
<https://www.ripe.net/participate/meetings/gm/meetings/may-2022>
- Register for the GM to vote on resolutions and vote in the elections for two seats on the RIPE NCC Executive Board





Questions



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