

Regional Initiatives Overview

Vahan Hovsepyan, RIPE NCC



Cooperation with Industry Partners

Cooperation with Industry Partners



- Virtual Peering Series - Central Asia

<https://www.internetsociety.org/events/virtual-peering-series-central-asia/>

- Internet Measurement Day

<https://www.ripe.net/participate/meetings/internet-measurement-day>

- K-root server operations in Central Asia

<https://www.ripe.net/publications/news/announcements/ripe-community-projects-fund-2017-recipients-announced>

Virtual Peering Series - Central Asia



- Activity is co-organised by the RIPE NCC, ISOC and EURO-IX, with the support of Meta, Flexoptix, DE-CIX, Team Cymru, AMS-IX and NAMEX



Virtual Peering Series - Central Asia



- The benefits of IXPs: they bring together network operators, content providers and DNS operators who are interested in improving the Internet in their countries and localities and developing plans for establishing and/or operating an IX
- Sharing regional expertise and discussing challenges together
- With Albert Toneyan, ARMIX, and Ucha Seturi, Small and Medium Telecom Operators Association of Georgia

Virtual Peering Series - Central Asia



- Upcoming events:
 - 19 July 2022
 - 18 October 2022
- Past events:
 - 11 May 2021: <https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-1/>
 - 13 July 2021: <https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-2/>
 - 14 September 2021: <https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-3/>
 - 7 December 2021: <https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-4/>
 - 5 April 2022: <https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-5/>
 - 24 May 2022: <https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-6/>

Internet Measurement Day



- Co-organised by the RIPE NCC and ICANN, with the engagement and support of industry partners and local counterparts



Internet Measurement Day



- Internet measurement tools and systems are discussed at the event, such as:
 - RIPE Atlas
 - Identifier Technology Health Indicators (ITHI)
 - RPKI
 - Routing Information Service (RIS)
- Special attention is also paid to RIPEstat, our large-scale information service and open data platform
- Local counterparts also present local Internet measurements

Supporting Root Server Operations



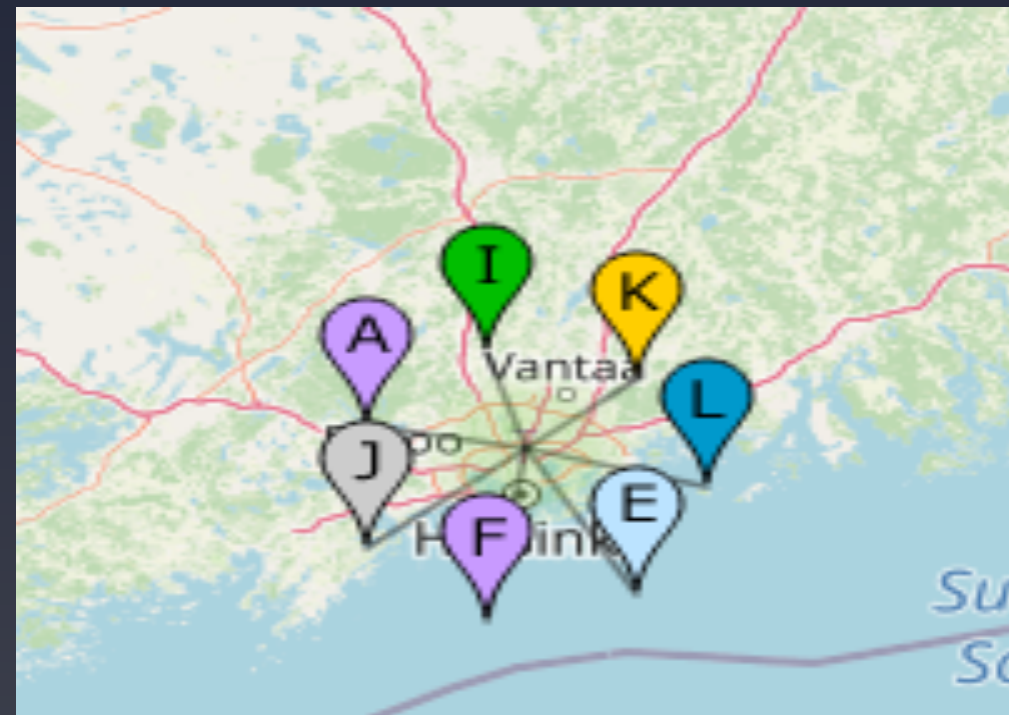
- The RIPE NCC operates K-root, one of the 13 Internet root name servers. The K-root service is provided by a set of distributed nodes using IPv4 and IPv6 anycast.

Root Server	Operator
A-root	Verisign, Inc.
B-root	University of Southern California, Information Sciences Institute
C-root	Cogent Communications
D-root	University of Maryland
E-root	NASA (Ames Research Center)
F-root	Internet Systems Consortium, Inc.
G-root	U.S. Department of Defence (NIC)
H-root	U.S. Army (Research Lab)
I-root	Netnod
J-root	Verisign, Inc.
K-root	RIPE NCC
L-root	ICANN
M-root	WIDE Project

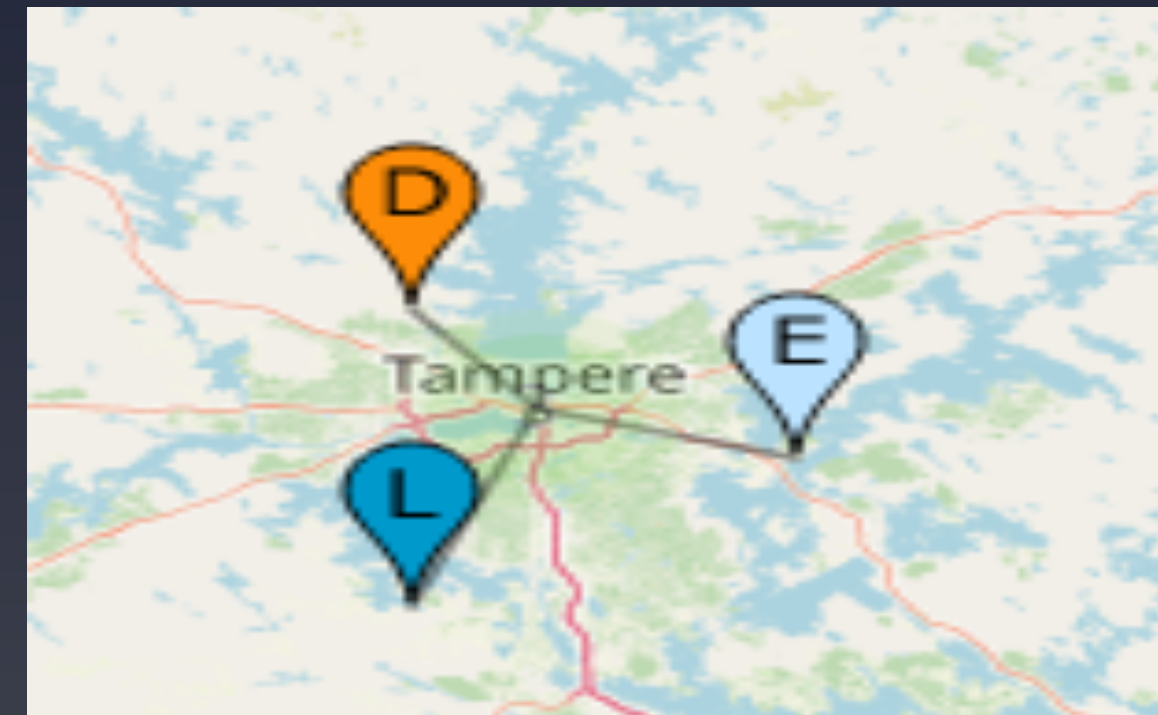
Root Servers in the Region (1)



Finland-Helsinki



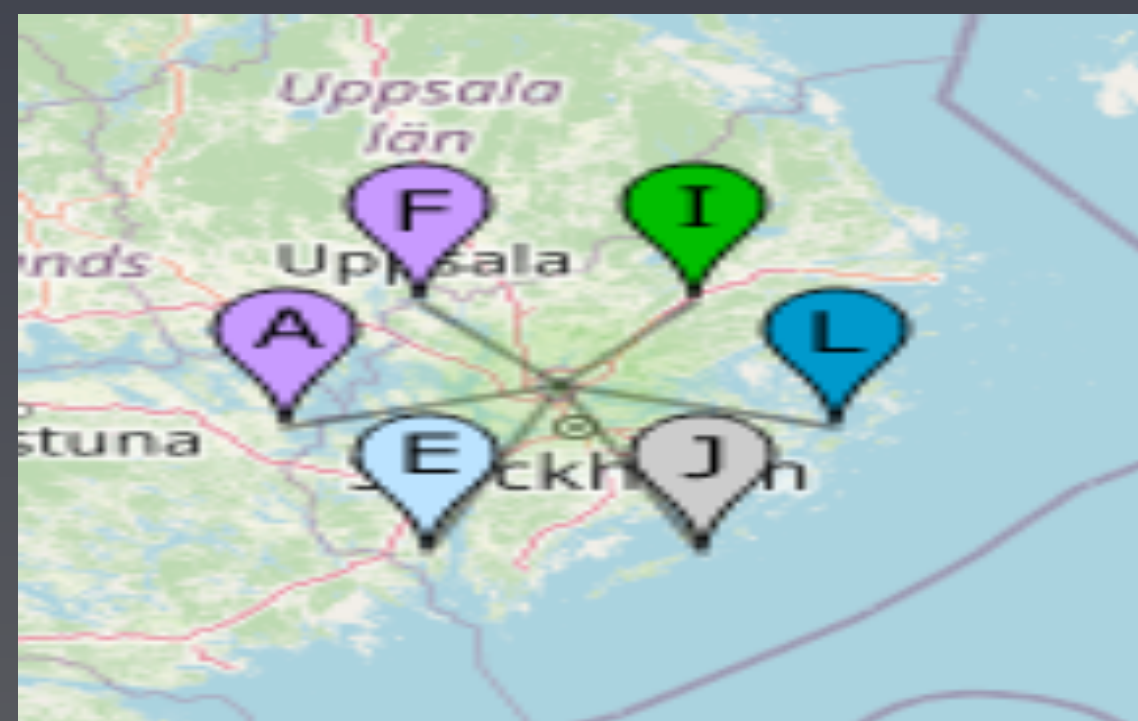
Finland-Tampere



Finland-Oulu



Sweden-Stockholm



Sweden-Sundsvall



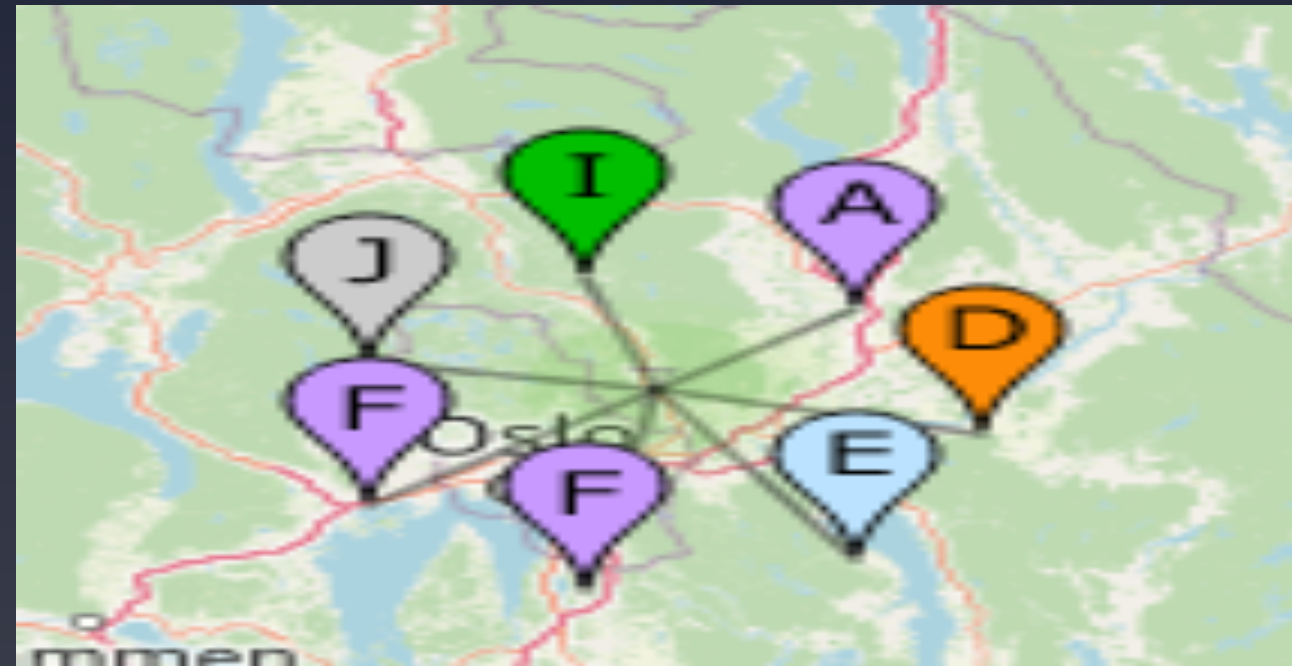
Sweden-Luleå



Root Servers in the Region (2)



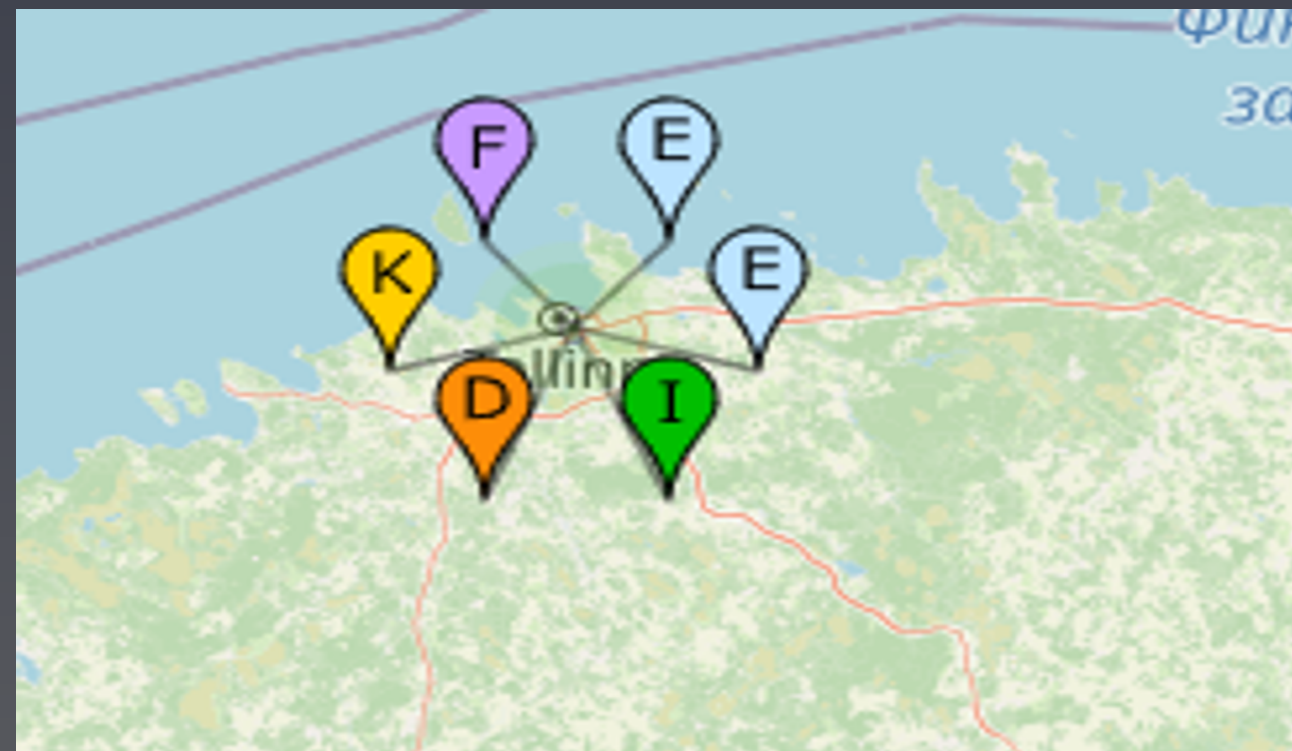
Norway-Oslo



Denmark-Copenhagen Sweden-Gothenburg



Estonia



Latvia



Lithuania





Training and Education

RACI: RIPE Academic Cooperation Initiative



- Started in 2013 as a way to connect the RIPE community with the research community
- Offers academics the chance to present their work, make connections and get feedback
- Successful applicants receive complementary tickets, travel and accommodation for meetings
- All applicants can publish their work through RIPE Labs:
 - labs.ripe.net
 - ripe.net/raci/mailling-list

Example RACI Topics



- Network measurements and analyses
- IPv6 deployment
- BGP routing
- Network security
- Internet governance
- Peering and interconnectivity
- Internet of Things (IoT)

RACI in 2021



- Mapping Connectivity and the Digital Space in Central Asia
 - Project is carried out by Louis Pétiniaud under the supervision of Kevin Limonier, both working for GEODE, University of Paris 8, and supported by Loqman Salamatian at Columbia University.
- Read more about RACI on RIPE Labs:
 - https://labs.ripe.net/author/gergana_petrova/raci-funding-in-2021-planning-and-projects/

RIPE NCC Academy



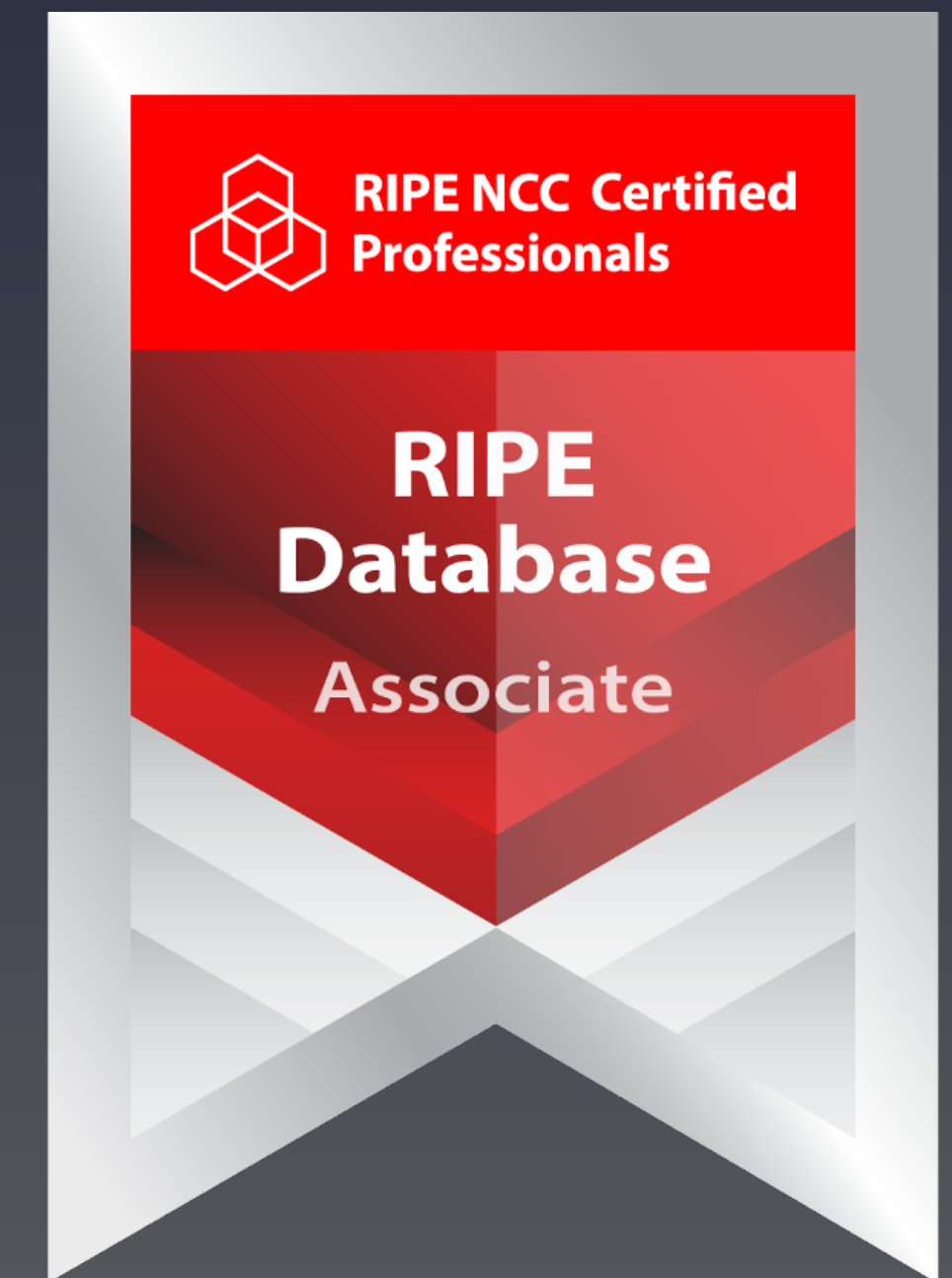
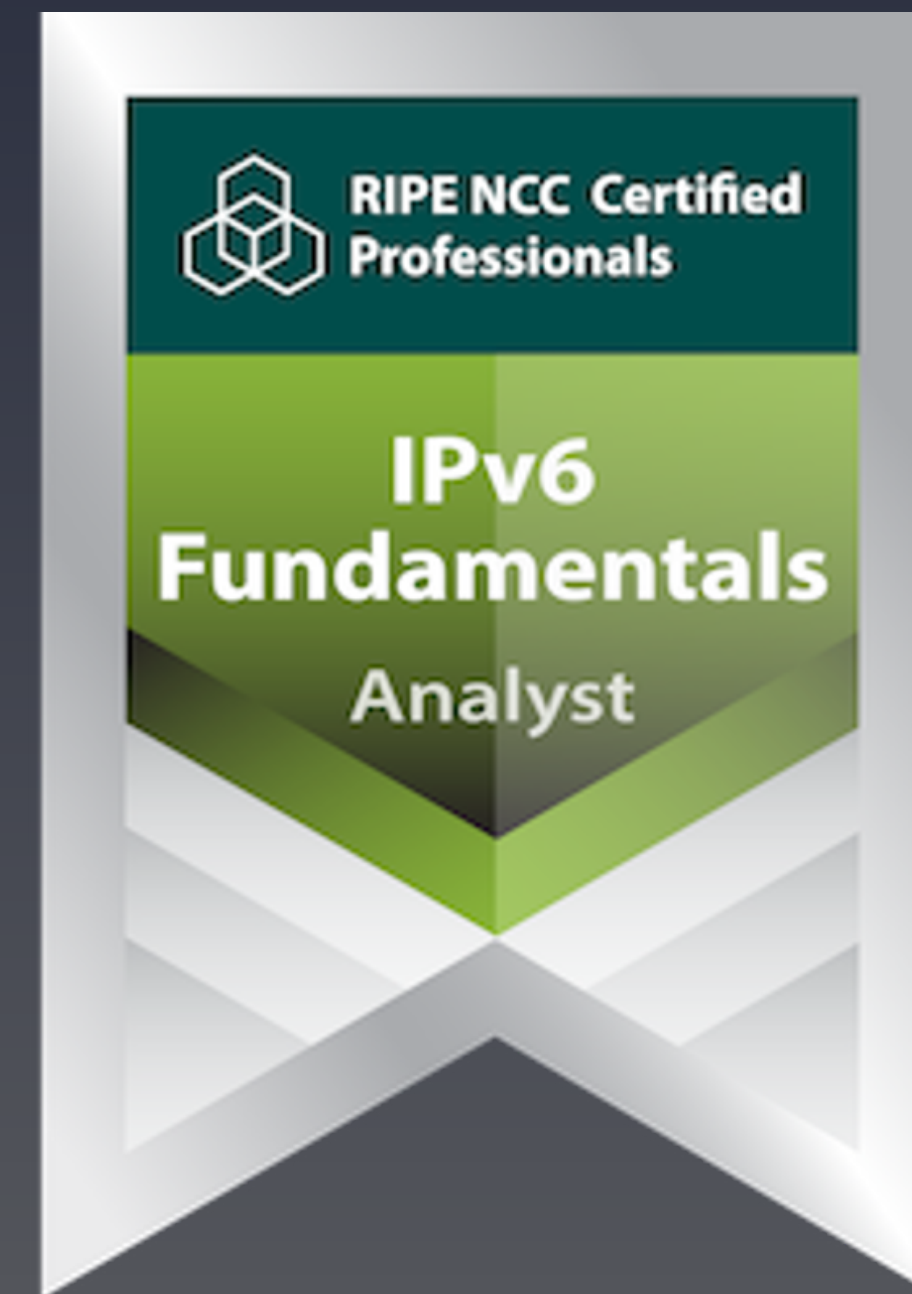
- Our free online learning platform for Internet networking professionals and students
- Current online courses include:
 - Introduction to IPv6
 - IPv6 Security
 - RIPE Database



Certified Professionals



- Take online exams and get certified!
- Current exams include:
 - RIPE Database Associate
 - IPv6 Fundamentals – Analyst
 - IPv6 Security Expert *new*



Workshops and Information Sessions (1)



- Phase 1 activities usually include half-day workshops/information sessions with partner universities/institutions
- Topics covered include Internet Fundamentals, Data Analytics, Trends in the Telecom Sector, the Domain Name System, etc
- Information sessions and presentations delivered in Armenia, Georgia, Kyrgyzstan, Uzbekistan, Ukraine, Russia
- Free of charge
- RIPE Atlas probe distribution
- Incorporating local and international partners to deliver localised content

Workshops and Information Sessions (2)



- Phase 2 activities may include deeper cooperation to:
 - Work together with RIPE Atlas
 - Develop and deploy joint educational programs
 - Support the organisation of hackathons by partner universities/institutions
 - Organise RIPE NCC hackathons with partner universities/institutions

Webinars



One-hour interactive webinars on the following topics:

- Internet Governance
- Internet Routing Registry
- RIPE Atlas Usage
- Introduction to the RIPE Database
- IPv6 Addressing Plan
- IPv6 in the RIPE Database
- New LIRS
- IPv6 Prefix Calculation
- RPKI
- RIPE Policy



Community Engagement

RIPE NCC Community Projects Fund

- The RIPE NCC has a long history of supporting projects and innovative ideas
- In 2017, we formalised these efforts through the RIPE NCC Community Projects Fund
- EUR 250,000 a year to support non-commercial projects of value to the operation and resilience of the Internet
- Supports ‘the good of the Internet’
- Preference for projects from our service region

Project Criteria



- Must benefit the Internet, particularly the RIPE community
- Must be non-commercial
- There must be a clear project plan and timeline
- Applicants may apply as many times as they want for different projects per year
- The same project may be funded more than once, but not in the same year
- Find out more at:
 - <https://www.ripe.net/support/cpf>

Funding



- No minimum amount of funding that must be disbursed each year
- No limit on the number of projects that can be funded each year
- May be used to purchase equipment, but this cannot be the sole expenditure
- Cannot be used for humanitarian aid, donations or to encourage political reform
- Cannot be used to provide scholarships or cover tuition fees
- Cannot be used to support commercial activities

2022 Applications



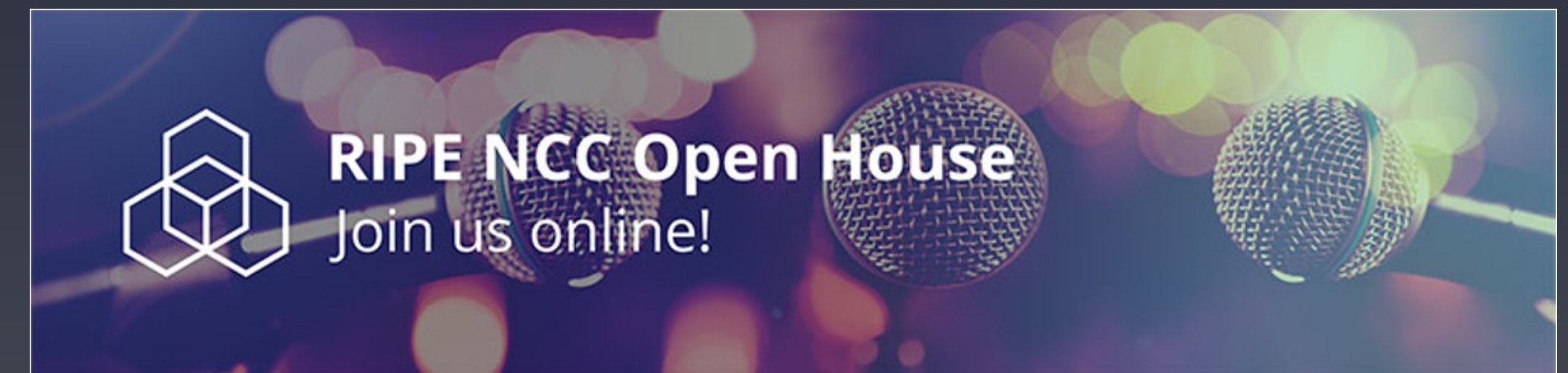
- The call for applications for the next funding round opens in mid-June 2022
- See RIPE Labs for updates from previous funding recipients



Open Houses



- 90-minute virtual events
- Open to all interested stakeholders
- Various topics, such as:
 - Academic Cooperation and e-learning
 - Internet in Kazakhstan
 - Central Asia Country Report
 - What does the new Digital Services Act mean for you?
- See upcoming events at:
 - <https://www.ripe.net/participate/meetings/open-house>





Questions



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