Regional Initiatives Overview

Vehan Hovsepyan
External Relations Officer, 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 with ISOC and EURO-IX, with the support of Facebook, Flexoptix, DE-CIX, TEAM CUMRU, AMS-IX

Virtual Peering Series - Central Asia

- The benefits of IXPs: bring together network operators, content providers, and DNS operators who are interested in improving the Internet in their countries and localities and develop plans for establishing and/or operating an IX

- Bringing regional expertise and challenges to discuss it together

- With Albert Toneyan, ARMIX Foundation and Ucha Seturi, Small and Medium Operators Association of Georgia

Virtual Peering Series - Central Asia

- Upcoming events:

  - 7 December: https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-4/

- Past events:

  - 11 May: https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-1/

  - 13 July: https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-2/

  - 14 September: https://www.internetsociety.org/events/virtual-peering-series-central-asia/vpsca-3/

Internet Measurement Day

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

Internet Measurement Day

- Internet measurement tools and systems are represented 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

Internet Measurement Day

- Upcoming Events:

  - 14 December - Czech Republic

  - Register at:
    https://www.ripe.net/participate/meetings/internet-measurement-day/internet-measurement-day-czech-republic

  - Mid January 2022 - Georgia

  - Second quarter 2022 - Central Asia

- Events held:

  - 12 February - Armenia

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	US Department of Defence (NIC)
H-root	US Army (Research Lab)
I-root	Netrod
J-root	Verisign, inc
K-root	RIPE NCC
L-root	ICANN
M-root	WIDE Project

Root Servers in the Region (1)
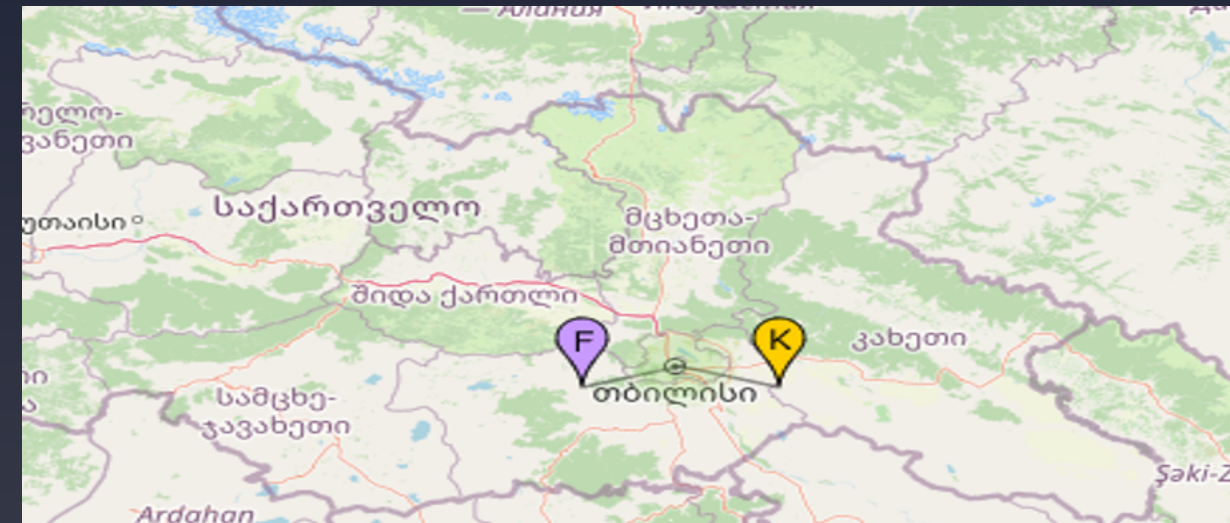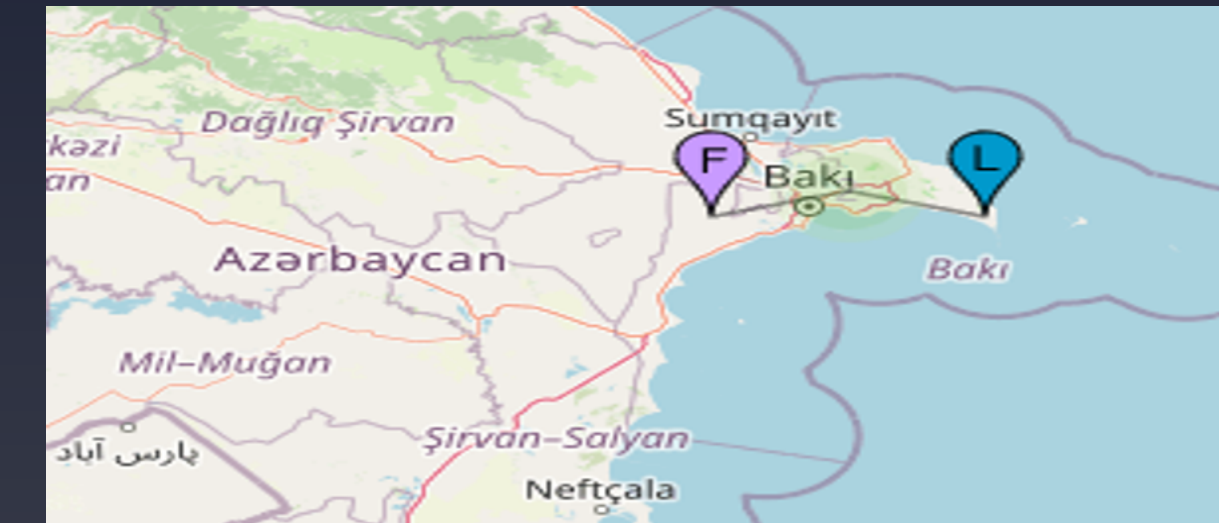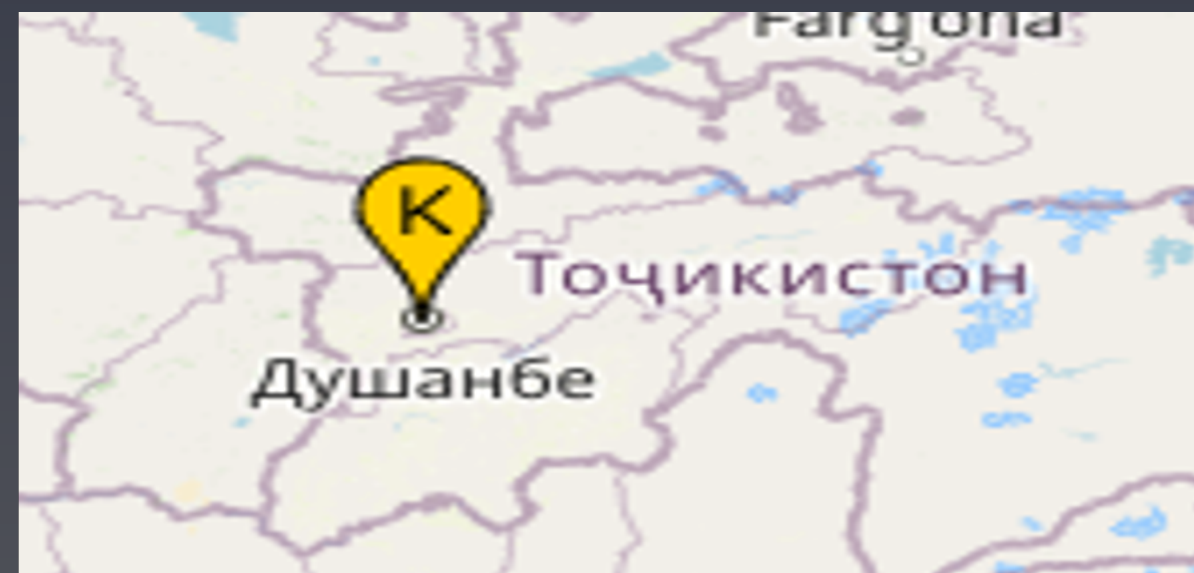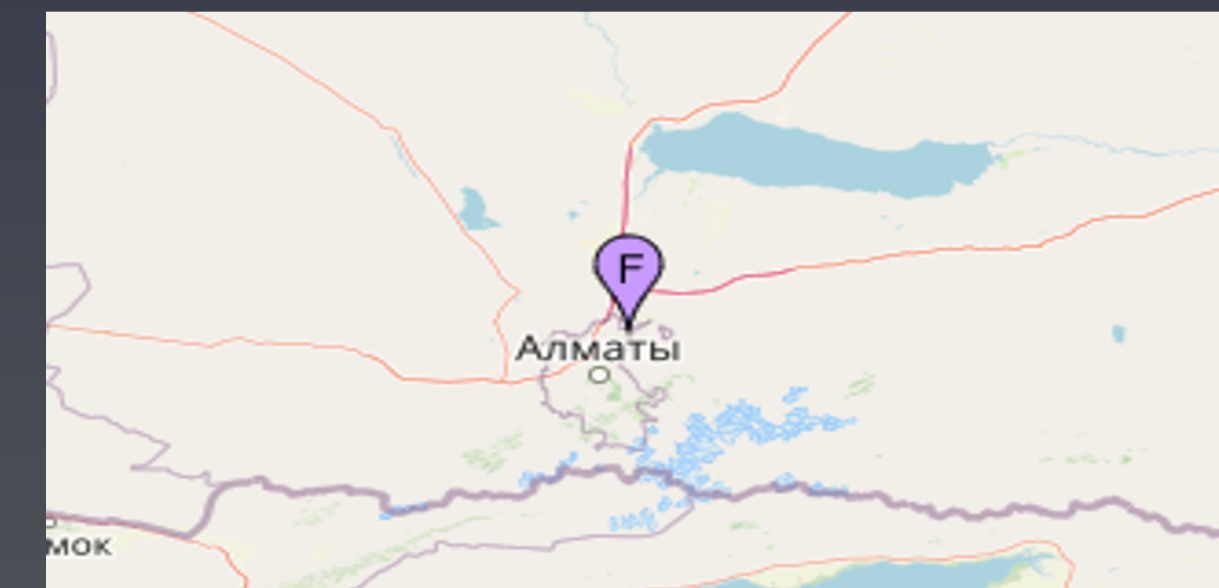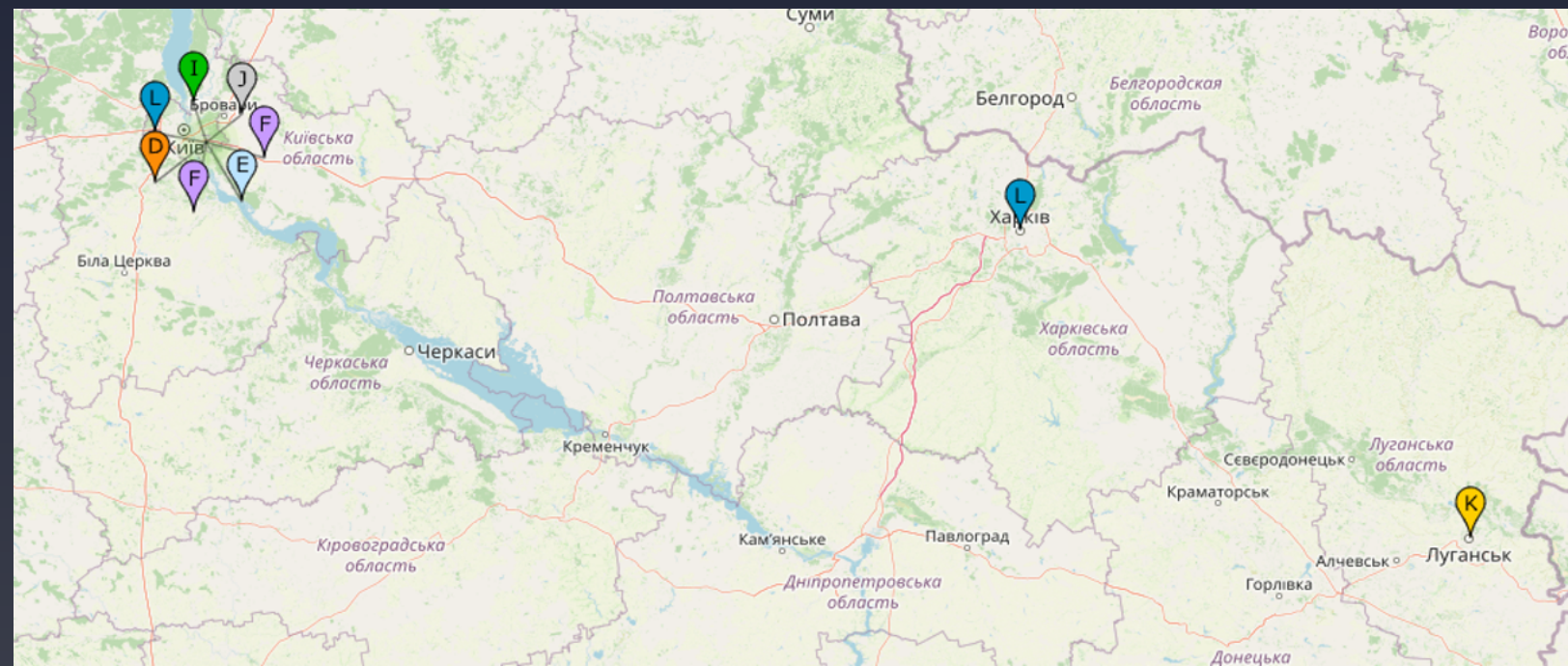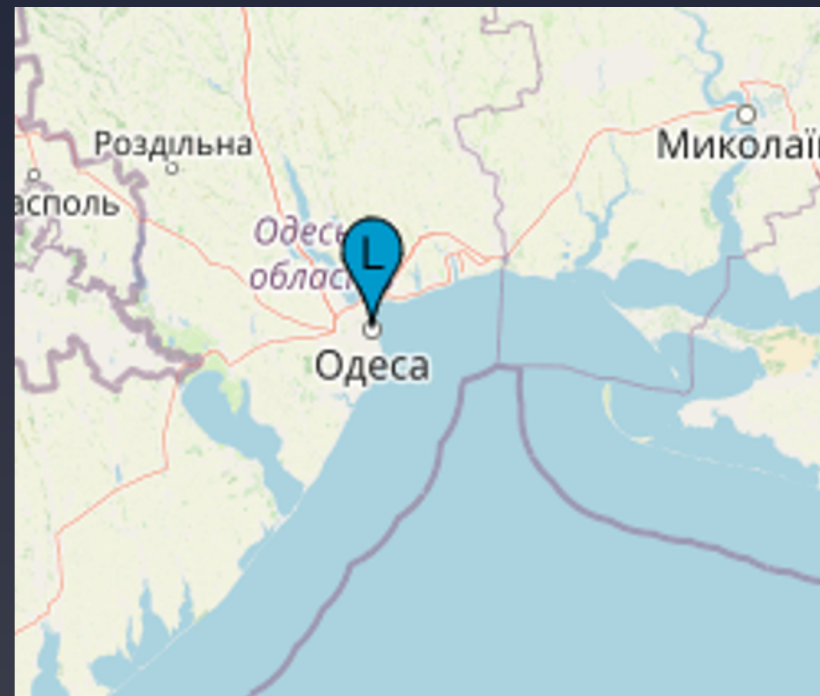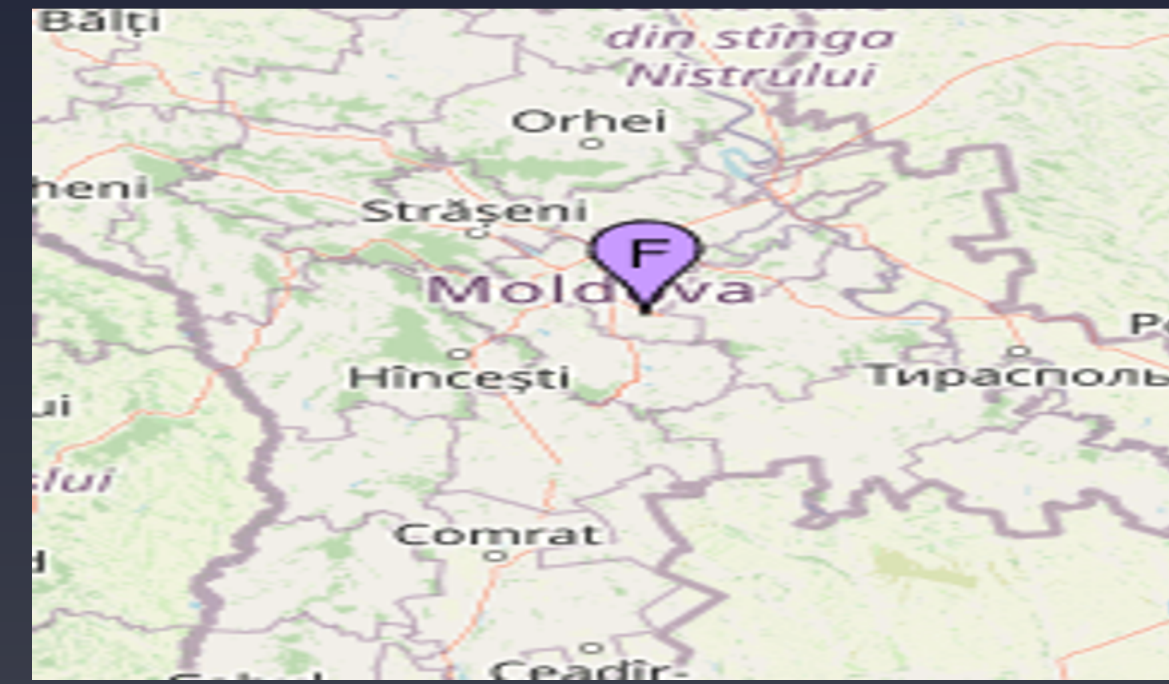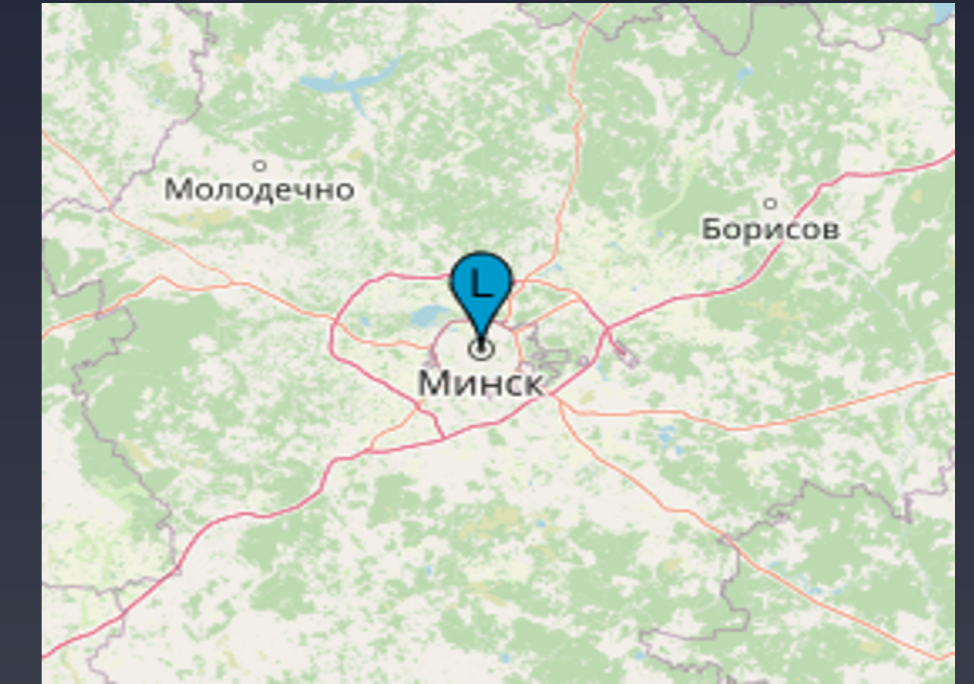
Root Servers in the Region (2)
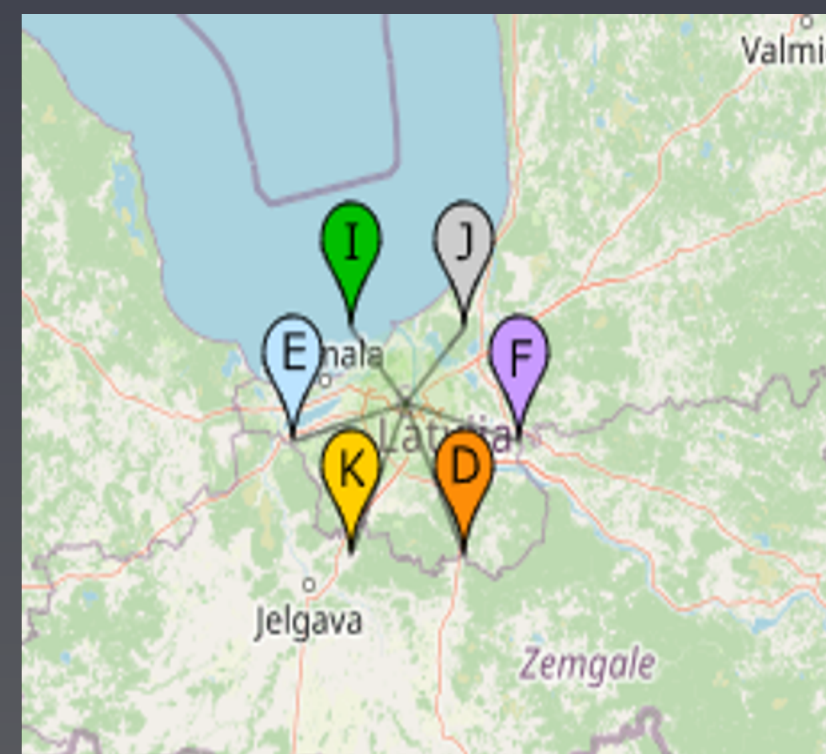
Ukraine

Ukraine

Moldova

Belarus

Estonia

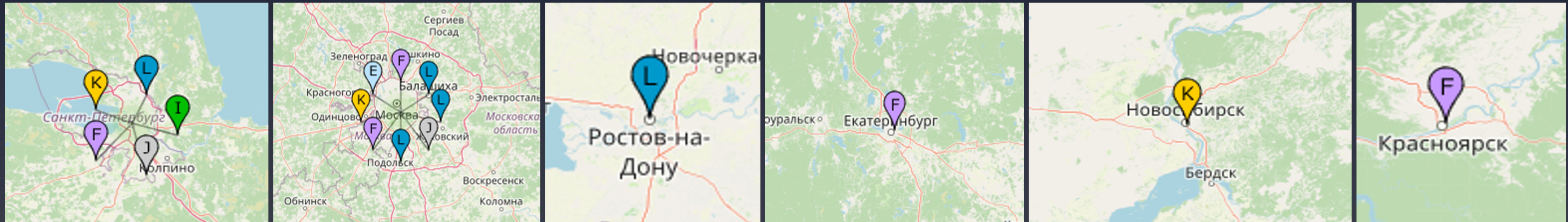Latvia

Lithuania

Root Servers in the Region (3)

Russia

Poland
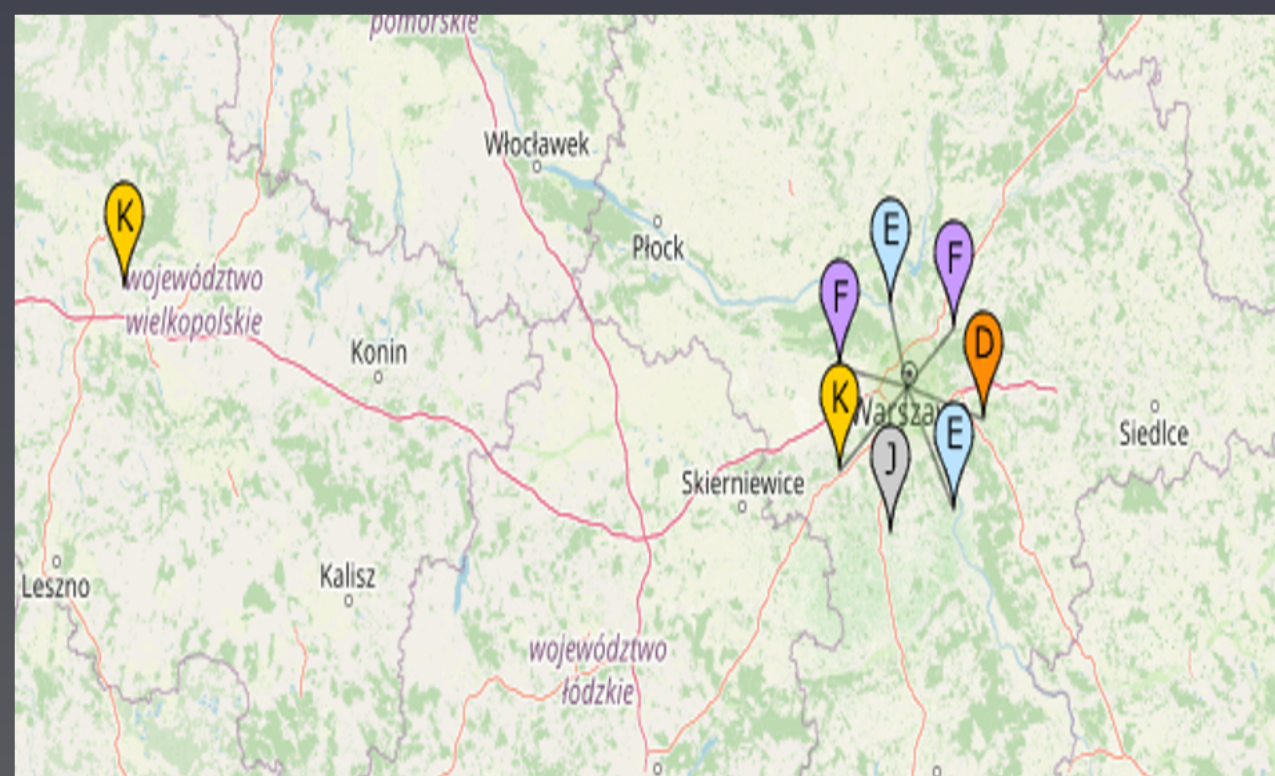
Romania

Bulgaria
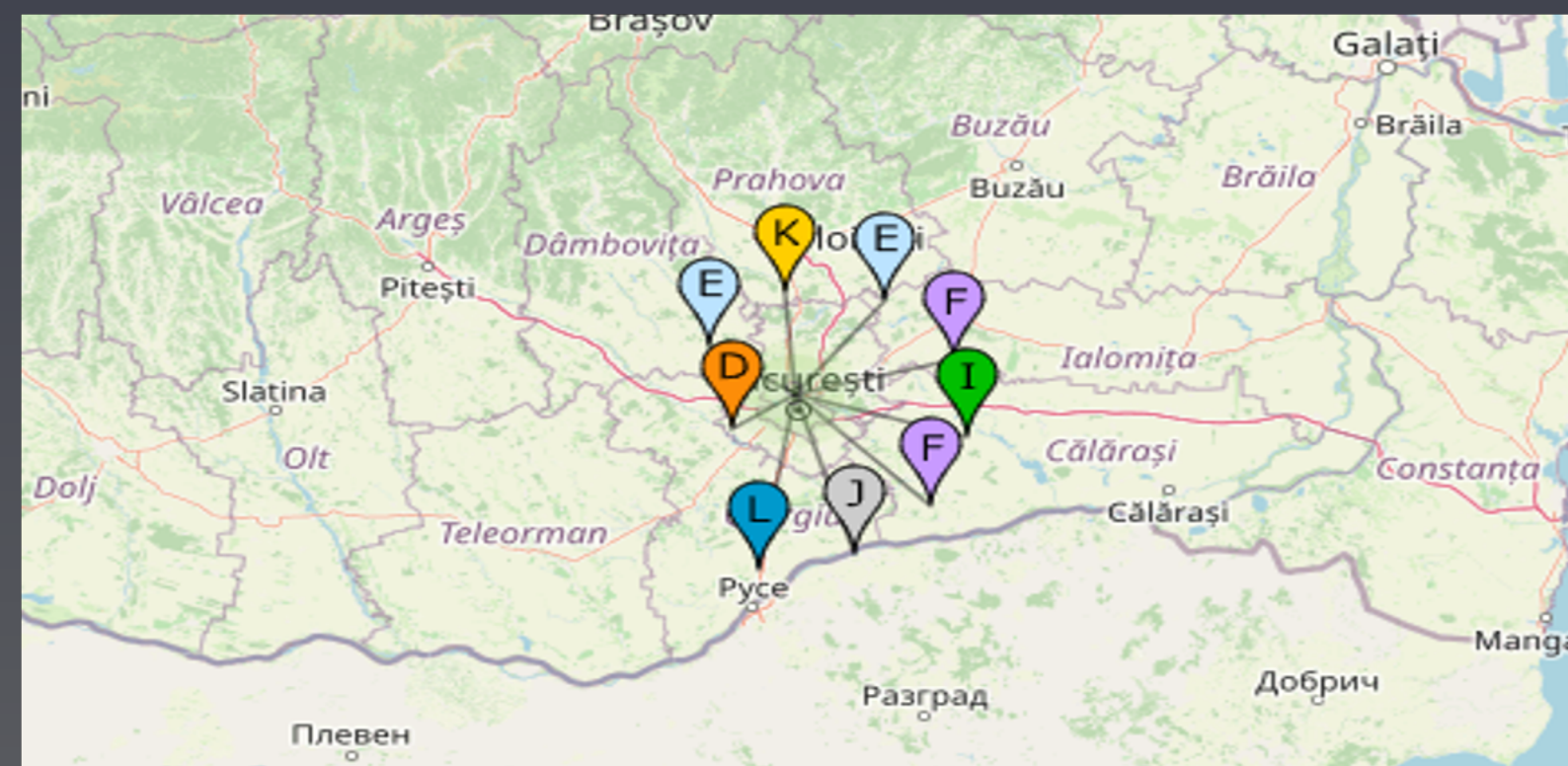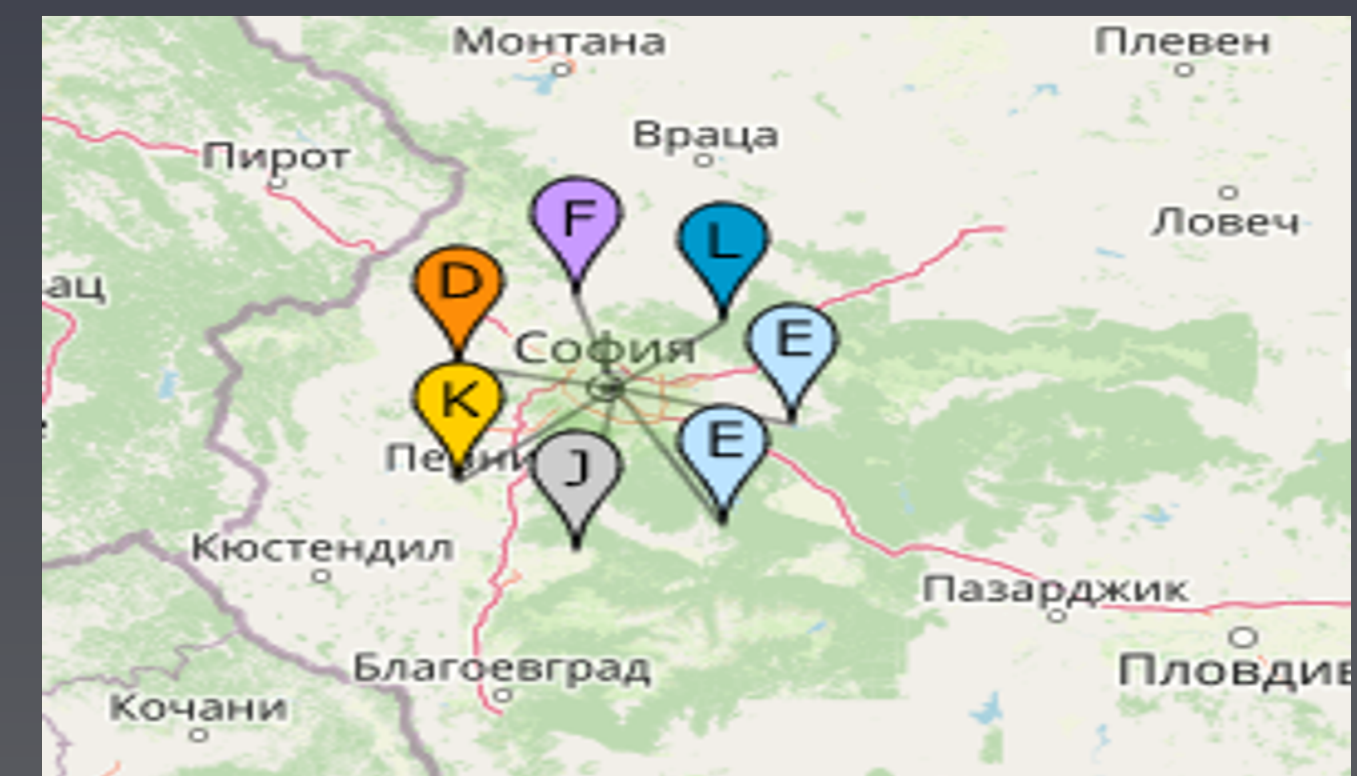
Supporting Root Server Operations

- September 2021: in cooperation with ICANN, we provided training on IPv6 for potential Root server hosts in Uzbekistan

    - Currently working to deploy a K-Root server which might be deployed by the end of 2021

- Supported the deployment of the K-root DNS Mirror in Tajikistan in 2017, via the RIPE NCC Community Project Fund

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 complimentary tickets, travel and accommodation to meetings

- All applicants can publish their work through RIPE Labs:

  - labs.ripe.net

  - ripe.net/raci/mailing-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 France 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*

RIPE NCC Certified Professionals

IPv6 Security
Expert

RIPE NCC Certified Professionals

IPv6 Fundamentals
Analyst

RIPE NCC Certified Professionals

RIPE Database
Associate
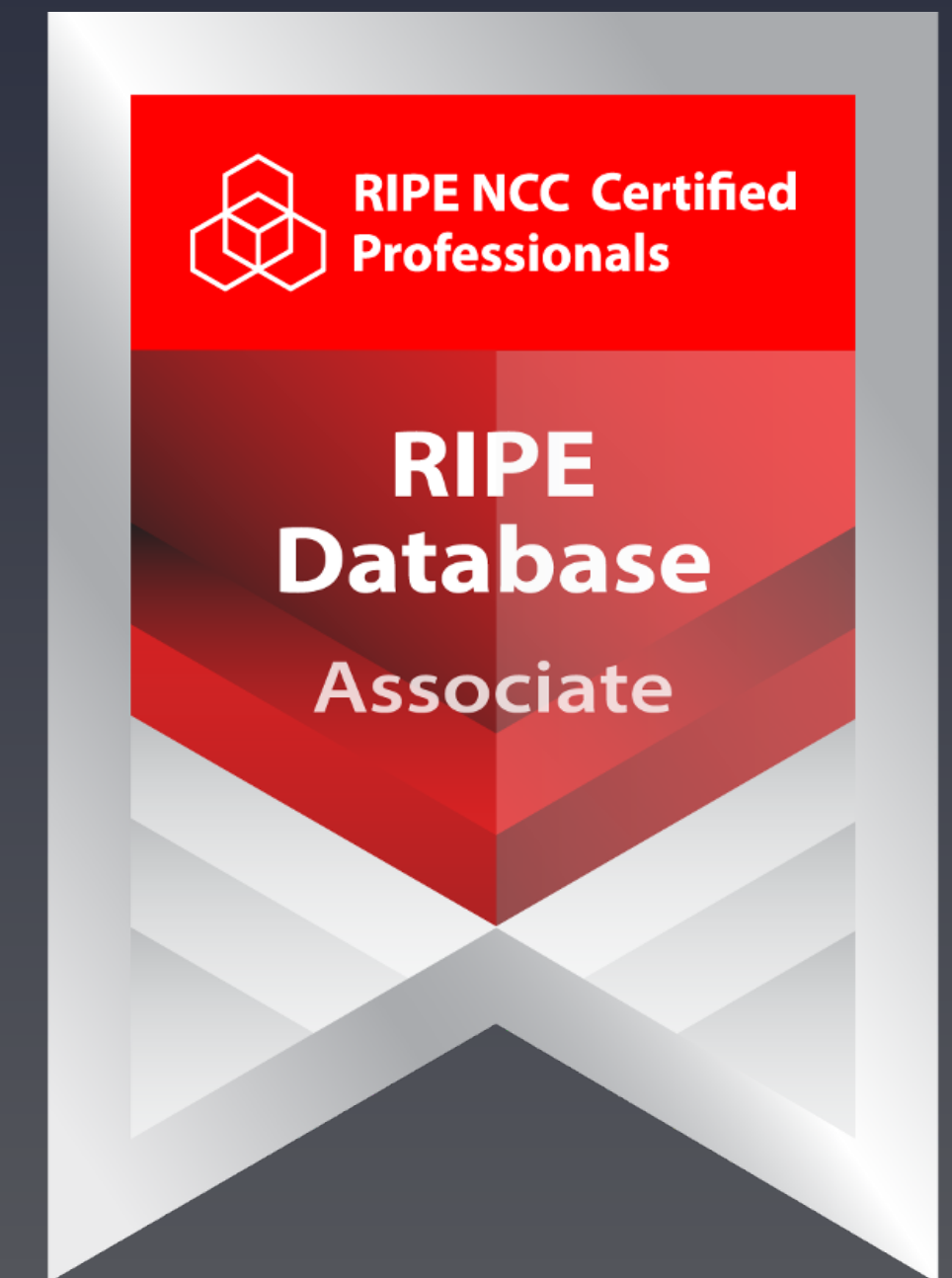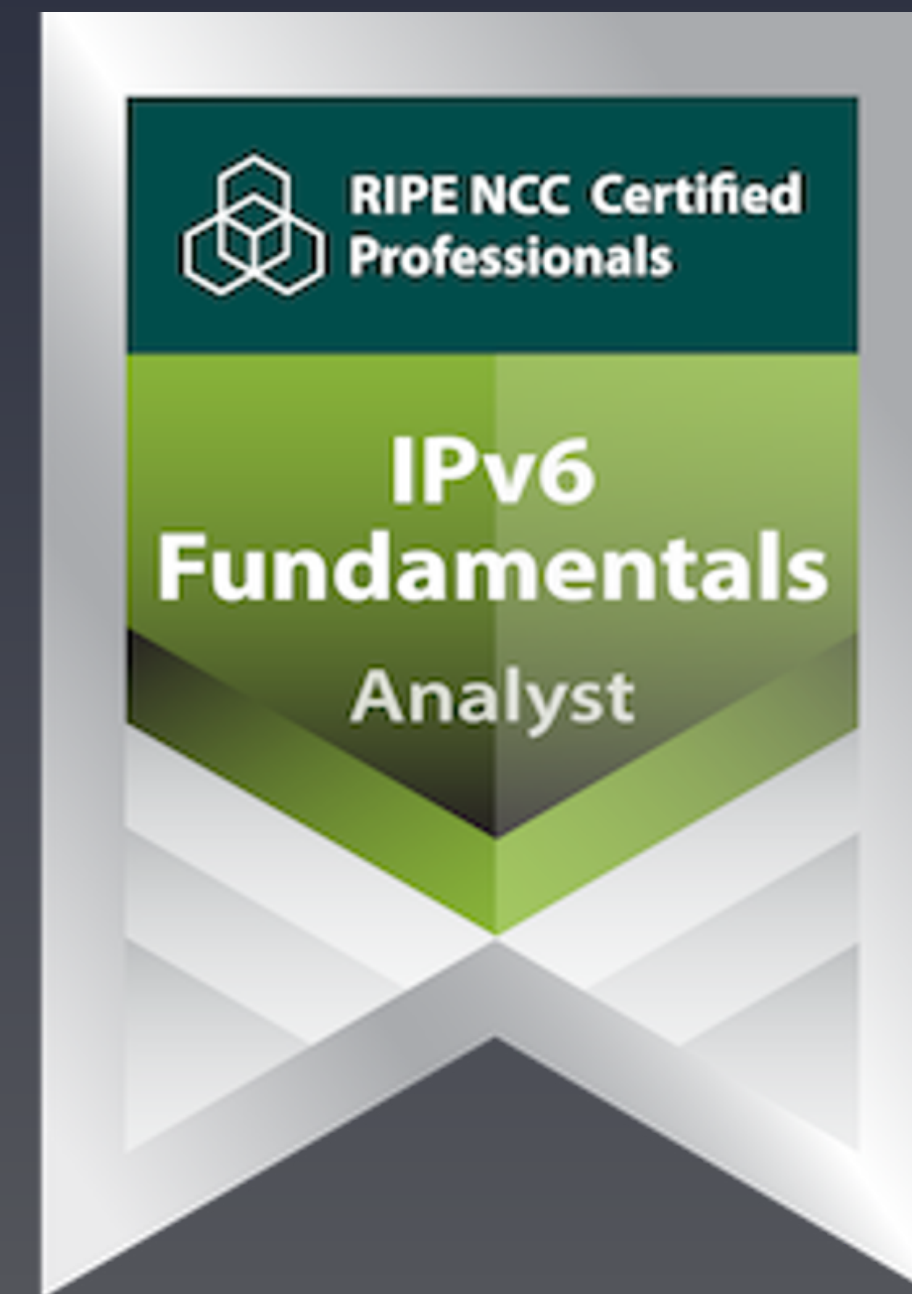
Workshops and Information sessions (1)

- Phase 1 activities usually include half-day workshop/information session with partner universities/institutions

- Topics covering Internet Fundamentals, Data Analytics, Trends in Telecom Sector, Domain Name System, etc

- Information sessions and presentations delivered in Armenia, Georgia, Kyrgyzstan, Uzbekistan, Ukraine, Russia

- Free of charge

- RIPE Atlas probe distribution

- Involving 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 university/institution

  - 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 per year

- May be used to purchase equipment, but this cannot be the sole expenditure

- Can't be used for humanitarian aid, donations, or to encourage political reform

- Can't be used to provide scholarships or cover tuition fees

- Cannot be used to support a commercial activity
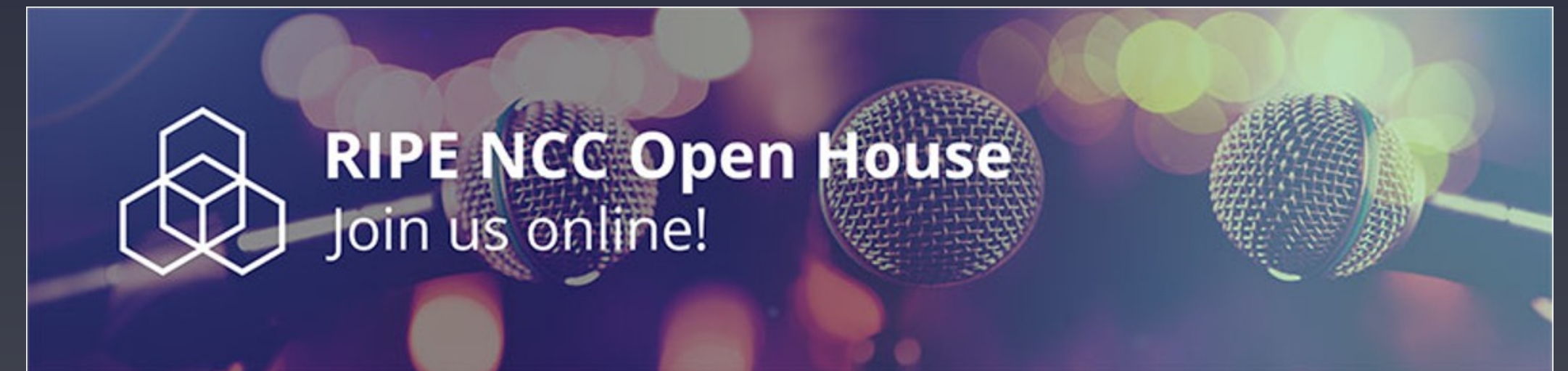
2022 Applications

- Applications for next funding round opens in Spring 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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