



**RIPE NCC**  
RIPE NETWORK COORDINATION CENTRE

# RIPE NCC Update

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RIPE NCC

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# What is the RIPE NCC?



- Secretariat for the RIPE community
- Allocate and assign Internet number resources
- Maintain the RIPE Database
  - (and more services - ask us how we can help you)
- Funded by members, fully autonomous
- Open, transparent, neutral and impartial

# RIPE NCC ENOG Region Activity 2017



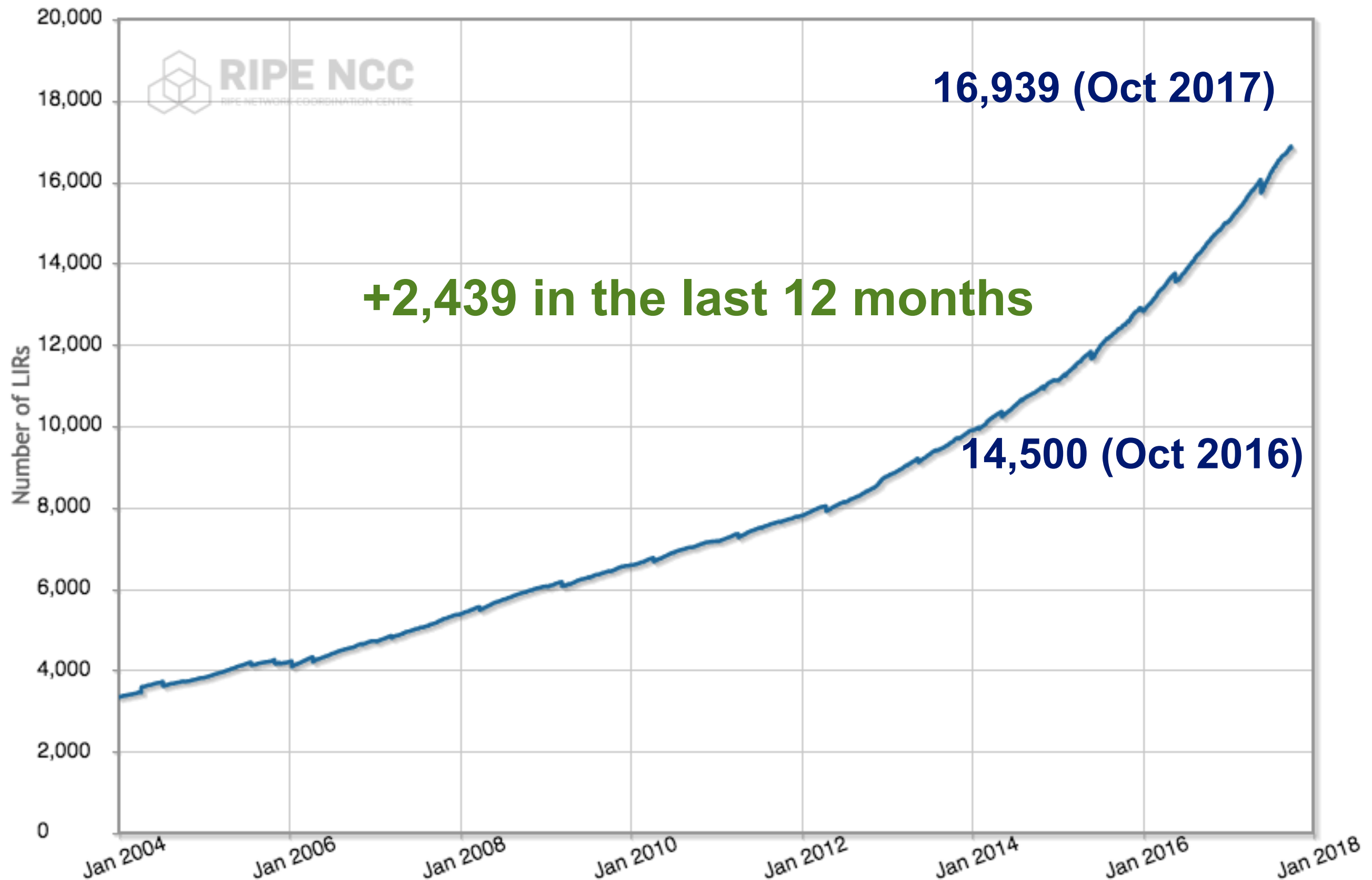
- 16 training courses to 399 attendees
- 4 Train the Trainer courses
- 6 IPv6 Roadshows
- 6 RIPE NCC Member Lunches
  - Tashkent, Kazan, Lviv, Vladivostok, Minsk and Krasnodar
- 1 Government Roundtable Meeting (in Minsk)
- Participation in Georgia IGF and APTLD72 (Tbilisi)

# RIPE NCC ENOG Region Activity 2017



- 311 additional members in ENOG region
- 22 mergers in the region
- Almost 300 ARCs completed
- Almost 900 RIPE Atlas probes - up by 44
- 11 RIPE Atlas anchors
- ~30,000 RIPEstat visitors from the region

# Membership Growth



# Our Focus in 2017 and 2018



- A strong, secure and accurate Registry
- Enhancing RIR stability through good governance and accountability
- Pursuing efficiency through streamlined internal processes and automation
- Engaging with members, the RIPE community, governments and regulators

# External Engagement Update



- More member and government engagements in all parts of our service region
- Building stronger and more formal relationships with other stakeholder groups
- More country and sub-region specific focus, building local communities
- More RIPE NCC Member Lunches planned
- More budget allocated to local engagement
- Support for local IGF-related activities

# Agreements with Third Parties



- Formalisation of exiting relationships
- Cooperation and promotion of services like RACI, RIPE Fellowship, RIPE Atlas
  - Ministry of Telecom and Mass Communications of the Russian Federation
  - Asia-Pacific Top Level Domain (APTLD)
  - Georgian National Communications Commission (GNCC)
  - United Arab Emirates Telecommunications Regulatory Authority in Dubai in October
- Full list available online



# RIPE NCC Regional Presence



- Your RIPE NCC representatives in the ENOG region:



Maxim Burtikov  
[mburtikov@ripe.net](mailto:mburtikov@ripe.net)



Alex Semenyaka  
[asemenyaka@ripe.net](mailto:asemenyaka@ripe.net)



Vahan Hovsepyan  
[vhovsepyan@ripe.net](mailto:vhovsepyan@ripe.net)

- Actively engaging the local community and feeding back to the RIPE NCC

# Supporting Network Operator Groups

- The RIPE NCC sponsors local NOG events
- RIPE NCC staff attend and speak at numerous NOG and community events
- Dedicated NOG section on RIPE Labs
  - Articles on setting up and maintaining NOGs
  - Map of NOGs in the RIPE NCC Service Region
- Please share your experience and ideas

# Good of the Internet Initiatives



- The Rob Blokzijl Foundation
  - Separate entity and board has been established
- Long-term Sustainability of the IETF
  - Our first of ten 100 kEUR contributions has been made
- RIPE NCC Community Projects Fund
  - Accepting applications from 22 October

# Registration and Customer Services



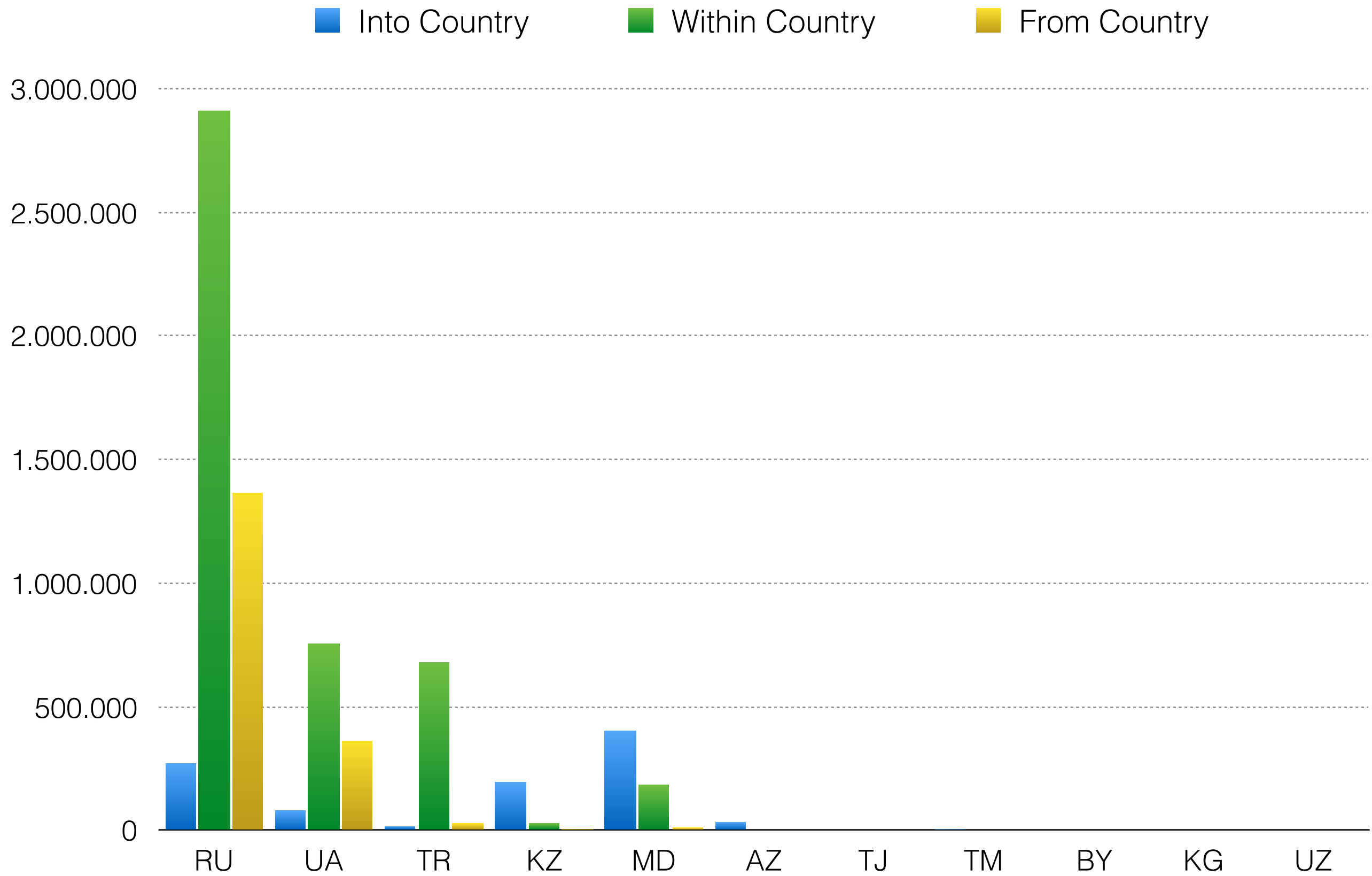
- IPv6 Milestone
  - Very first subsequent IPv6 allocation issued
- Assisted Registry Check (ARC)
  - Targeting “less active” members
  - Has produced a high result in updated information
- Resource Transfers
  - Continues to constitute a high demand on resources
  - Complex tickets with increased levels of scrutiny
- We have Russian-speaking staff to help you

# Registration and Customer Services



- Hijacks and Investigations
  - Due diligence checks have prevented several high volume unauthorised transfers
  - Following an Executive Board decision, the RIPE NCC actively reports all cases of confirmed fraud to the police
- Continuously focusing on efficiency by improving self-service processes
  - However, a level of human interaction remains crucial
- Maintaining focus on accuracy of the Registry

# IPv4 Addresses Transferred in ENOG Region



# RIPE Policy Development Process (PDP)



Belarusian participation could be better:

- Participate: [address-policy-wg@ripe.net](mailto:address-policy-wg@ripe.net)
- “Regular abuse-c validation” in comment and review
- “Reduce initial IPv4 allocation” in discussion
- List of current discussions online



# RIPE Atlas



- Over 10,000 connected probes running 14,000+ measurements. This includes:
  - 27 in Belarus
  - 494 in Russia
  - 206 in Ukraine
  - 27 in Lithuania
- Current goal: RIPE Atlas probes in 10% of the world's ASes



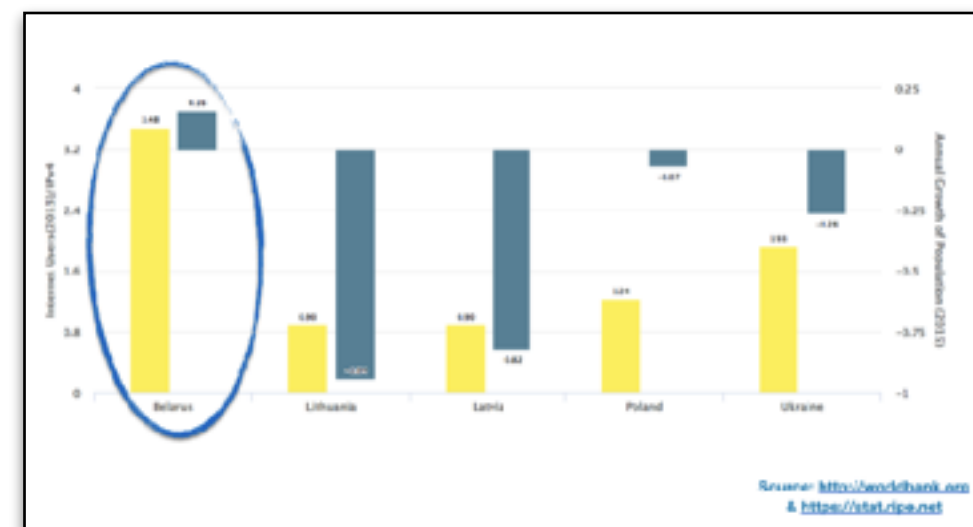
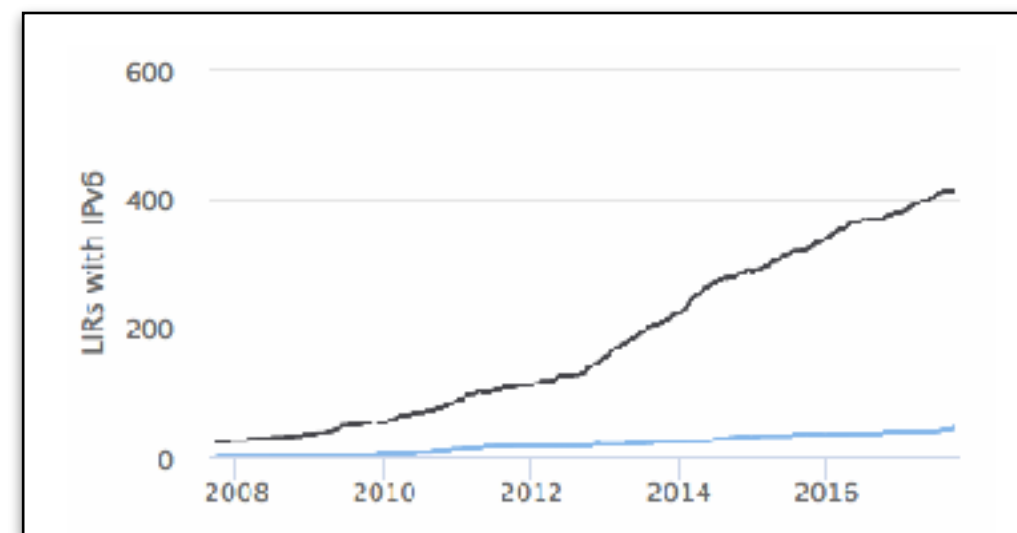
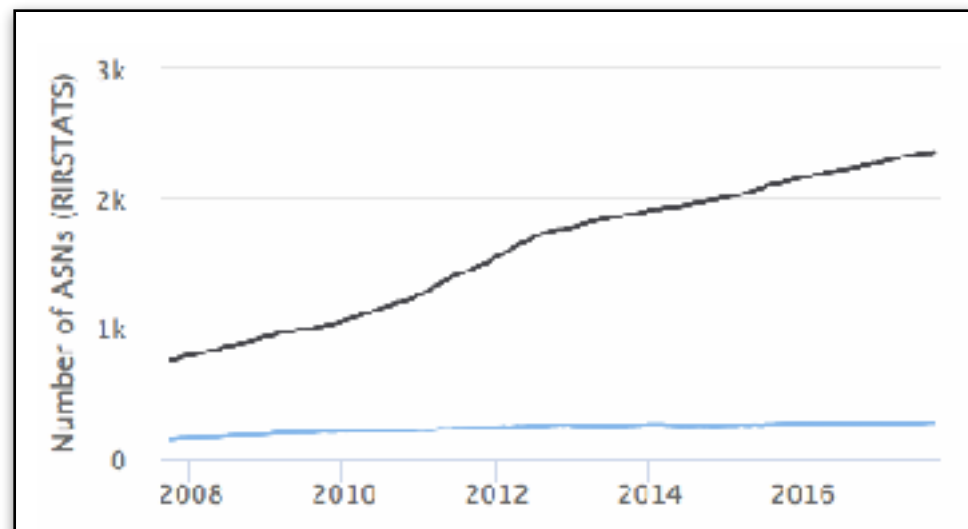
# RIPE Atlas



# Country Reports



- Providing insights into countries and regions through aggregation, comparison and correlation
- RIPE NCC data and external public data sets



# Feedback

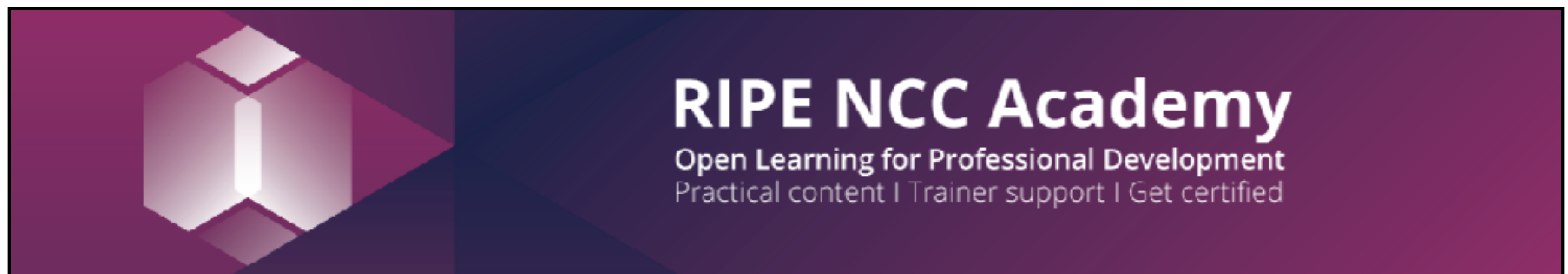


- Member Survey: action items online
- Training: now more webinars than ever
- Making processes easier
- RIPEstat improvements, country profiles
- My Resources section in RIPE Database

# IPv6: Deployment and Training



- IPv6 use in Belarus is low - we can help:
  - The RIPE NCC has Russian-speaking trainers
  - Also a Train the Trainer graduate in Minsk
  - More IPv6 Roadshows planned for November and into 2018
- RIPE NCC Academy courses available online
  - Trainees can complete courses and be certified for their knowledge





# Online Learning



- Collaborating with universities to develop and deliver online modules
- Providing information on:
  - Internet ecosystems
  - How the Internet works
- RIPE NCC::Educa - full-day online learning events
- Including a range of talks, exercises and information on RIPE Atlas

# Fellowships and Funding



- RIPE Academic Cooperation Initiative (RACI)
- RIPE Fellowship
- ENOG Fellowship
  - Helping people attend and present at RIPE and RIPE NCC regional meetings
  - Attendees can receive tickets, travel and accommodation
  - All applicants can publish work on RIPE Labs
  - More information online

# RIPE Accountability Task Force



- RIPE Accountability Task Force established in October 2016 to:
  - Examine RIPE community structures, documentation and processes
  - Identify where accountability could be improved
  - Publish recommendations to the RIPE community
- Two-day workshop in September 2017
- More details online

# Internet of Things (IoT)



- RIPE IoT Roundtable Meeting in Leeds in September:
  - Standardisation can be difficult to achieve
  - Security risks must be minimised
  - Assignment of liability is a challenge to determine
  - There is much to be discussed!
- Join the dedicated IoT session at RIPE 75
- Follow discussions on the IoT mailing list



# Draft Activity Plan and Budget 2018



- Published in September for members' discussion
- To be discussed in October GM
- Four strategic focus points:
  - Improve service delivery and ensure accuracy of the Registry/RIPE Database
  - Effective outreach to all stakeholders in our service region
  - Strengthen the global RIR System
  - Understand our member base in order to add value

# RIPE NCC General Meeting



- RIPE NCC Members will vote on:
  - Redistribution of the excess contribution paid in 2017
  - Adoption of changes to the RIPE NCC Conflict Arbitration Procedure
  - Adoption of changes to the RIPE NCC Articles of Association
- Members will discuss the RIPE NCC Activity Plan and Budget 2018
- Register to attend and vote - either in person or via remote participation
- Only one BY registration in May: let's do better



# Questions

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# Links



- Slide 7: full list of MoUs: <https://www.ripe.net/about-us/what-we-do/engagement-external-organisations>
- Slide 9: NOG section on RIPE Labs: <https://labs.ripe.net/nogs>
- Slide 10: Rob Blokzijl Foundation: <http://rob-blokzijl-foundation.org/>
- RIPE NCC Community Projects Fund: <https://www.ripe.net/support/cpf/ripe-ncc-community-projects-fund>
- Slide 14: Current RIPE Policy proposals: <https://www.ripe.net/participate/policies/current-proposals/current-policy-proposals>
- Slide 16: RIPE Atlas: <https://atlas.ripe.net/>
- Slide 18: Member Survey findings and action items: <https://www.ripe.net/participate/member-support/surveys/ripe-ncc-survey-2016/key-findings-and-proposed-actions>
- Slide 19: RIPE NCC Academy: <https://academy.ripe.net>
- Slide 20: RIPE NCC::Educa: <https://www.ripe.net/support/training/ripe-ncc-educa>
- Slide 21: RACI: <https://www.ripe.net/participate/ripe/raci>
- RIPE Fellowship: <https://www.ripe.net/participate/ripe/ripe-fellowship>
- ENOG Fellowship: <https://www.enog.org/about/fellowship/>
- Slide 22: RIPE Accountability Task Force: <https://www.ripe.net/participate/ripe/tf/ripe-accountability-task-force>
- Slide 23: IoT mailing list: <https://www.ripe.net/ripe/mail/archives/iot-discussion/>
- Slide 24: RIPE NCC Draft Activity Plan and Budget 2018: <https://www.ripe.net/participate/meetings/gm/meetings/october-2017/draft-ripe-ncc-activity-plan-and-budget-2018.pdf>
- Slide 25: RIPE NCC General Meeting: <https://www.ripe.net/participate/meetings/gm/meetings/october-2017/general-meeting-october-2017>