



**RIPE NCC**  
RIPE NETWORK COORDINATION CENTRE

# RIPE NCC Update

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# About the RIPE NCC



- Secretariat for the RIPE community
- Allocate and assign Internet number resources
- Maintain the RIPE Database
- Outreach, tools, measurements, training...
- Funded by members, fully autonomous
- Open, transparent, neutral and impartial
- Offices in Amsterdam and Dubai
  - Two staff members based in Moscow

# RIPE NCC Activity in 2016



- 2,178 additional members in 2016
- 3,291 /22 IPv4 allocations and 1,878 IPv6 allocations
- Almost 3,000 RIPE NCC-organised event attendees
- Over 100 training courses for almost 2,000 participants
- More than 2,500 ARCs completed in 2016
- Over 9,200 active RIPE Atlas probes
- 245 RIPE Atlas anchors (up from 164 in 2015)
- 1.3 million RIPEstat requests per hour
- More information in the Annual Report 2016:  
<https://www.ripe.net/publications/docs/ripe-683>

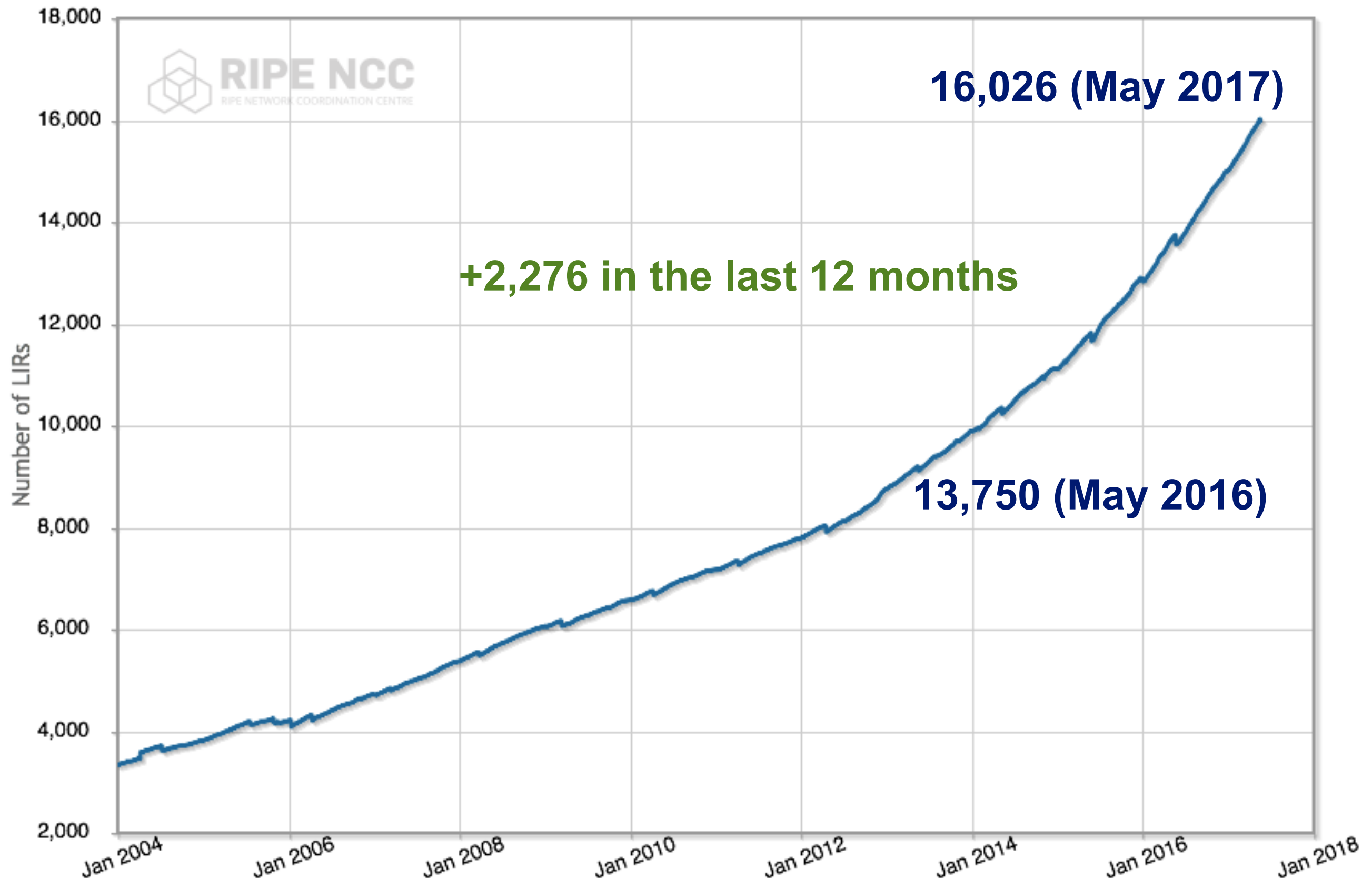
# From the Financial Report 2016



- **Financial Overview:**

- Result: a surplus of EUR 325k
- Redistribution of EUR 4.08 million to members
- Reserves are EUR 25 million (108% of total expenses)
- Total expenses were 2% lower than budgeted
- Staff numbers were at 139 FTEs
- Cost per member decreased further (8% lower than 2015)
- The full Financial Report 2016 is available at:  
<https://www.ripe.net/financial-report-2016/>

# Membership Growth



# Our Focus in 2017



- 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
- Results of RIPE NCC Survey 2016
  - Key findings and action items identified:  
<https://ripe.net/survey2016/>

# External Engagement Update



- More member and government engagements in all parts of our service region
- Additional information gathering, analysis and strategic positioning
- Building stronger and more formal relationships with other stakeholder groups
- Change in ENOG support:
  - Supporting one ENOG meeting per year from 2018
  - More country-specific focus, building local communities
  - More budget allocated to engaging on a local level

# Memoranda of Understanding (MoU)

- Part of RIPE NCC engagement with external organisations
- Formalisation and increased transparency in our existing relationships with external parties
- MoU with Russian government
  - Focus on promotion of RIPE Academic Cooperation Initiative (RACI)
  - Availability of RIPE Database Near Real-Time Mirroring (NRTM) service
- All MoU online:
  - <https://www.ripe.net/about-us/what-we-do/engagement-external-organisations>



# 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)

- Maxim and Alex actively engage the local community and feed back to the RIPE NCC
- Staff presence is growing in the region

# 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
  - Groundwork has been completed and we plan to launch the first call for applicants before the end of the year
- Seed Alliance Initiative
  - We plan to revisit our participation in the future

# Registration and Customer Services



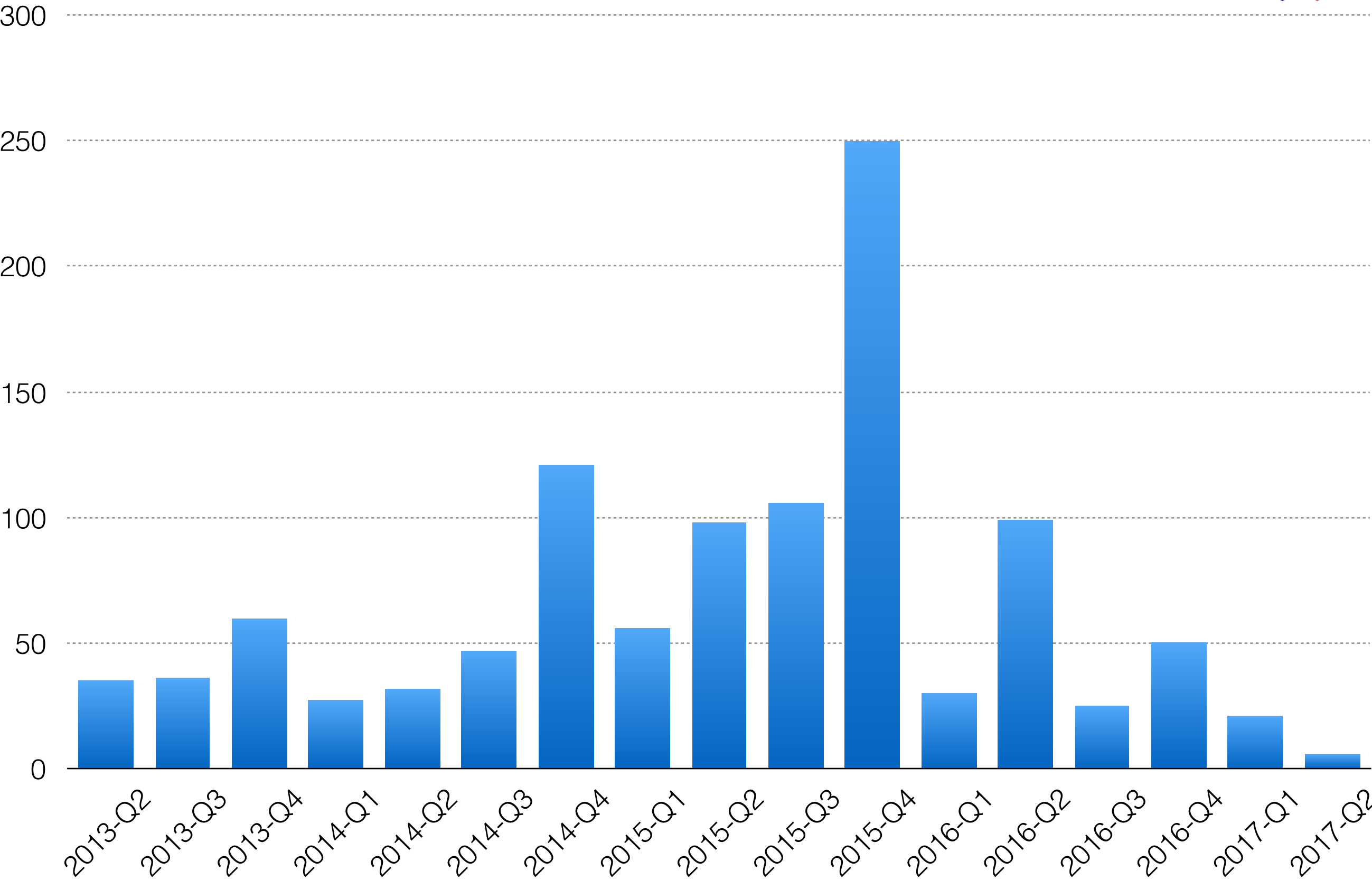
- IPv6 Milestone
  - Very first subsequent IPv6 allocation issued
- Assisted Registry Check (ARC)
  - Targeting “less active” members
  - Has produced a high result in updated information
- Resource Transfers
  - Continues to constitute a high demand on resources
  - Complex tickets with increased levels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

# Registration and Customer Services

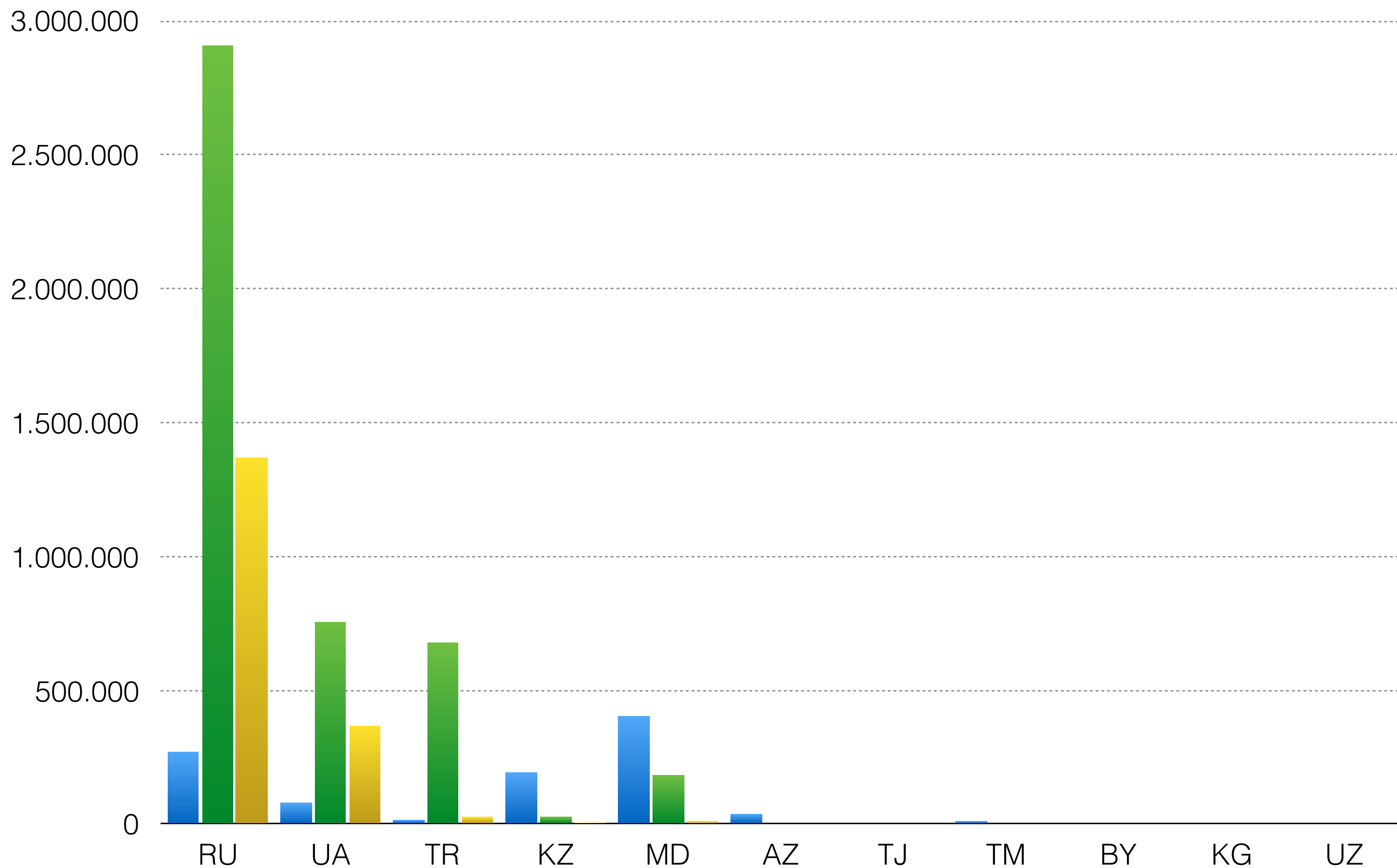


- Hijacks and Investigations
  - Due diligence checks have prevented several high volume unauthorised transfers
  - Following an Executive Board decision, the RIPE NCC actively reports all cases of confirmed fraud to the police
- Continuously focusing on efficiency by improving self-service processes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

# Completed Mergers in RIPE NCC Service Region



# IPv4 Addresses Transferred in ENOG Region



# RIPE Policy Development Process (PDP)



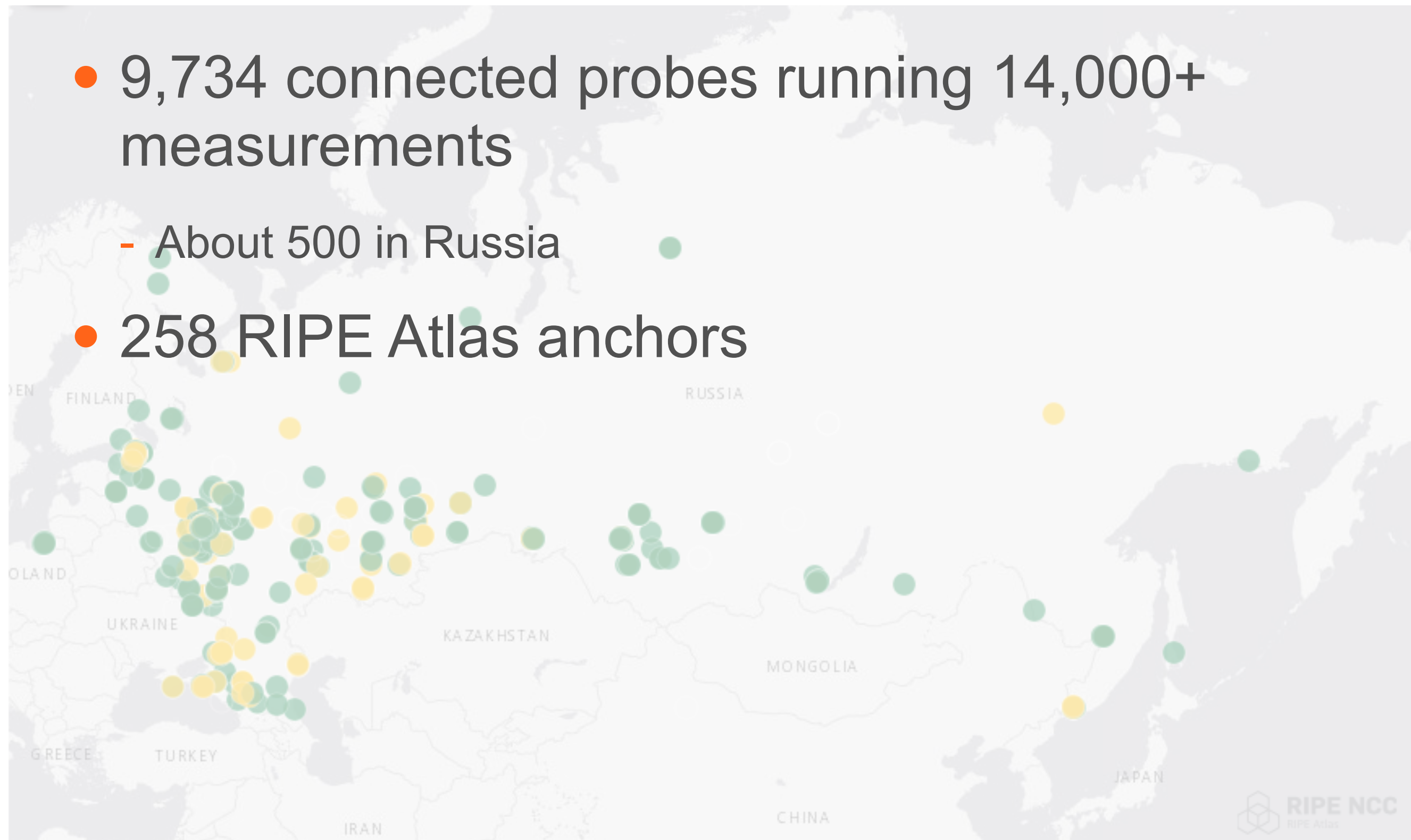
- Russian participation is encouraging but could be better
- Participate: [address-policy-wg@ripe.net](mailto:address-policy-wg@ripe.net)
- Policy on publishing statistics on Intra-RIR Legacy updates currently in progress
- IPv6 PI Sub-assignment Clarification under review



# RIPE Atlas



- 9,734 connected probes running 14,000+ measurements
  - About 500 in Russia
- 258 RIPE Atlas anchors

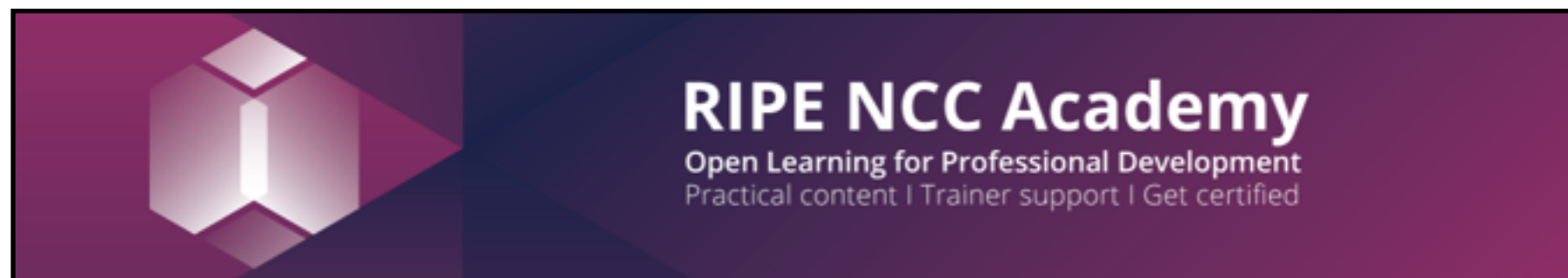




# IPv6: Deployment and Training



- IPv6 use in Russia is low
- The RIPE NCC can help with training
- We have Russian-speaking trainers
- Courses are also available online in the RIPE NCC Academy:  
<https://academy.ripe.net>
  - Trainees can complete courses and be certified for their knowledge



# RIPE Academic Cooperation Initiative (RACI) and RIPE Fellowship

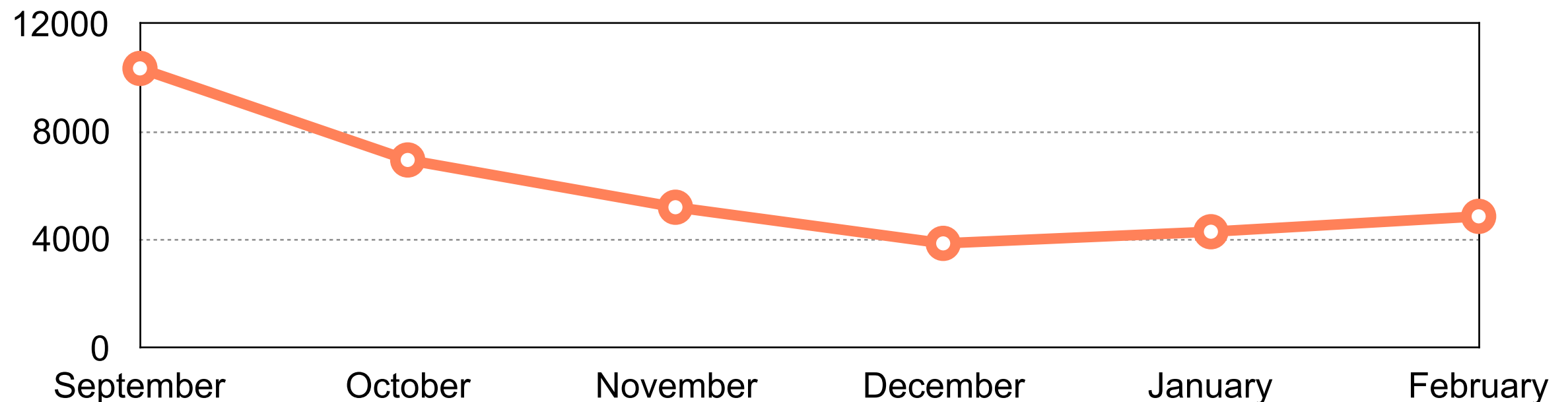


- Helping people attend and present at RIPE and RIPE NCC regional meetings
- Attendees can receive tickets, travel and accommodation
- All applicants can publish work on RIPE Labs
- More information online:
  - <https://www.ripe.net/participate/ripe/raci>
  - <https://www.ripe.net/participate/ripe/ripe-fellowship>

# Improvements: Last Six Months



- New rDNS wizard
  - Has resulted in a significant drop in Reverse DNS errors and associated support calls



- Simpler and more secure LIR User Accounts
  - 35,617 LIR Contacts successfully migrated to secure SSO

# Improvements: Next Six Months



- RPKI Validator v3.0
  - Smaller footprint, modular, packaging for common systems
  - Accepts Internet Routing Registry (IRR) sources as (secondary) input
- View and manage “My Resources” in the RIPE Database
  - An overview of all allocations and assignments with usage
  - Find free space, fix lame rDNS and incorrect routes

# RIPE Accountability Task Force



- Focus is now shifting from legal entities (RIPE NCC) to communities (RIPE)
- 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

# IANA and ICANN Update



- IANA Numbering Services Review Committee
  - The committee has been established and is active
- Independent Review of the ICANN Address Supporting Organization (ASO)
- CCWG on ICANN accountability Work Stream 2
  1. Supporting Organization's & Advisory Committee's accountability
    - Ensuring the CCWG's review on ASO accountability will not go beyond the ASO's role within ICANN
  2. Procedures for implementation of new ICANN Bylaws
    - Internal ASO procedures for the execution of new ASO powers

# Identifier Technology Health Indicators (ITHI)

- The goal is to develop metrics to measure the health of the Internet's unique identifier systems
- The RIRs are jointly developing an initial ITHI strategy and draft metrics for the Internet Number Registry System
- This initial set of metric definitions will be used as a basis for community consultation
- Release of discussion draft to the community for consultation – to be completed Q2 2017
- Final ITHI metrics document release by Q3 2017

# RIPE NCC General Meeting (GM)



- RIPE NCC Members voted to:
  - Adopt the Financial Report 2016
  - Discharge the Executive Board of its duties as they appear from the Annual Report 2016
  - Adopt the Charging Scheme 2018
- Three candidates elected to the Executive Board:
  - Christian Kaufmann
  - Maria Häll
  - Salam Yamout





# Questions

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