



**RIPE  
NCC**

## **RIPE NCC Update**

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Axel Pawlik  
Managing Director, RIPE NCC

- Secretariat for the RIPE community
- Maintains the RIPE Database
- One of the five Regional Internet Registries (RIRs)
  - Serving: Europe, the Middle East and parts of Central Asia
  - 76 countries
- Allocate and assign IPv4 and IPv6 addresses and also assign AS Numbers
- Outreach, tools, measurements, training and more!

- Independent, not-for-profit, bottom-up membership organisation
- Anyone can become a member
- Incorporated in the Netherlands, governed by Dutch law
- Funded by members, fully autonomous
- Open, transparent, neutral and impartial
- Offices in Amsterdam, Dubai and Moscow
  - Around 130 staff members

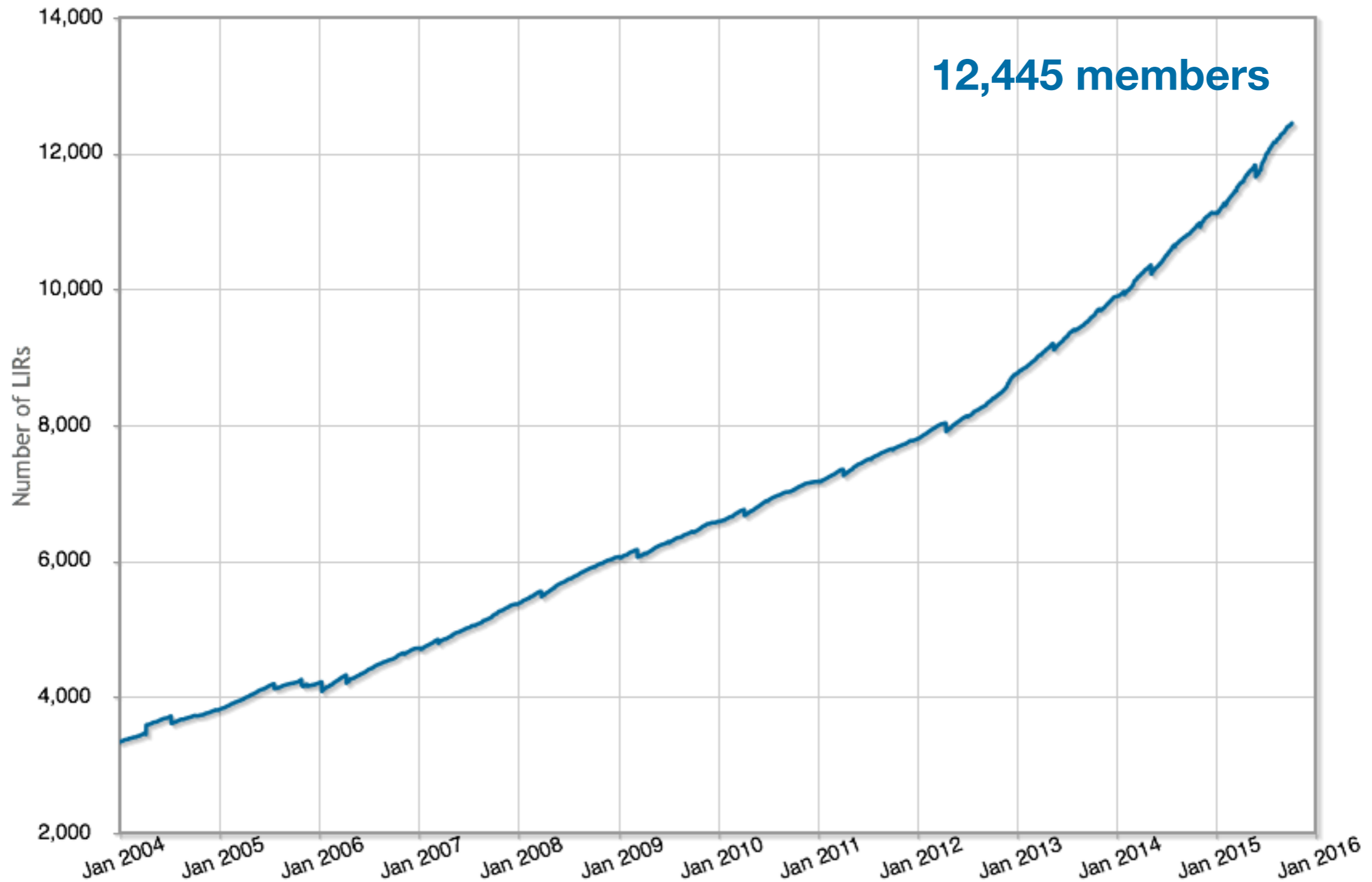
- Membership continuing to grow
- Our focus for 2015
- Expanding regional presence
- IPv6 gaining momentum
- IPv4 transfers increasing
- Member feedback
- November General Meeting (GM)
- And much more to come...

- Maintaining a strong registry
- Conducting effective outreach and external relations throughout our service region
- Consolidating and improving our entire service offering
- Refining our internal and external processes to provide further efficiency

- With so much going on globally, it's important we remain focused on **our** region, and this is being stressed to our staff - our region is the priority!
- A greater presence throughout our region: via member lunches, regional meetings, training, etc.
- With this increased presence, we get greater knowledge of our members' needs
- Working internally to ensure staff is aware of the importance of membership follow-up!



# Membership Growth



- We have two staff based in the region, engaging members and the community across the entire ENOG region



Maxim Burtikov



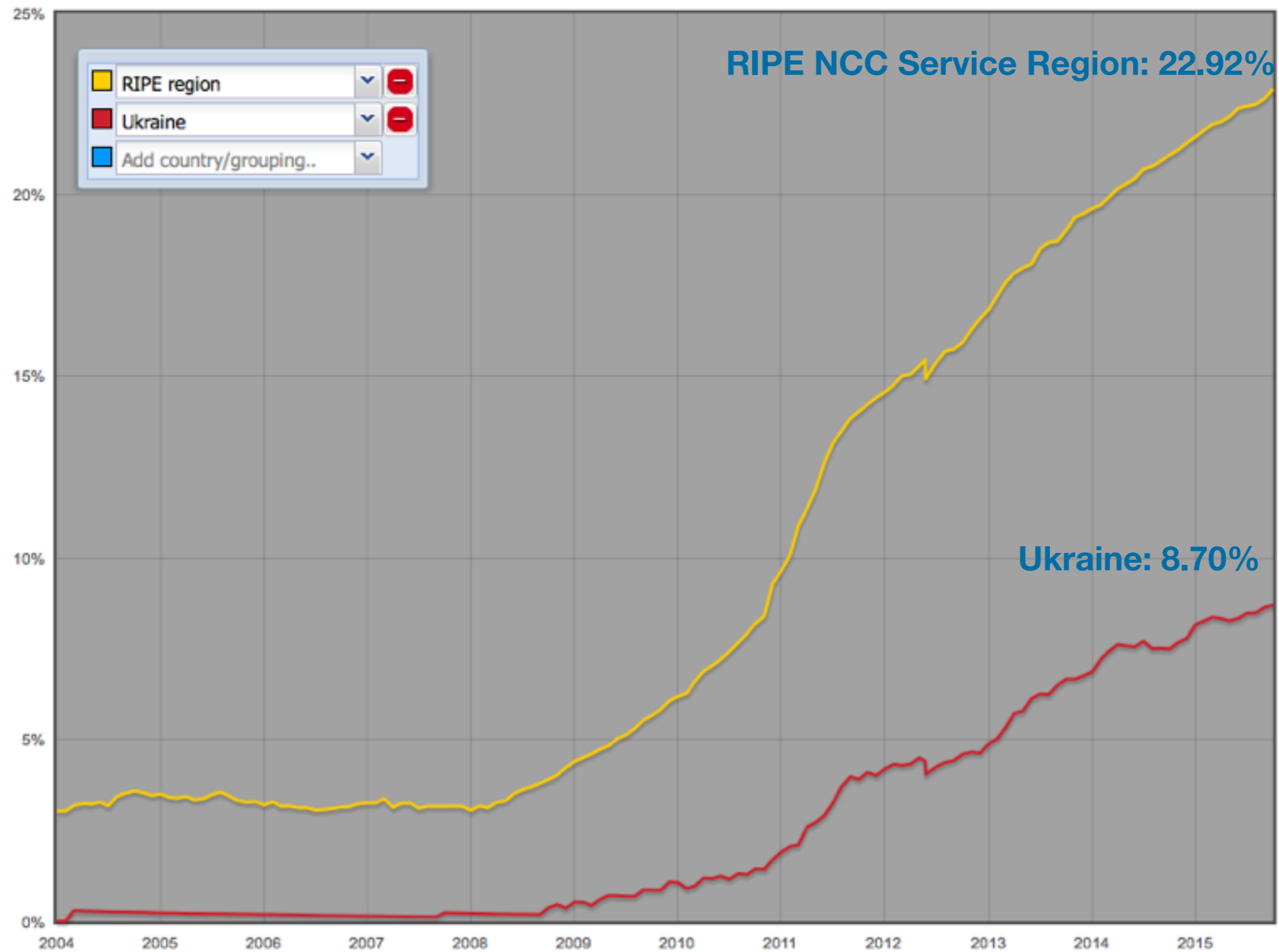
Anton Baskov

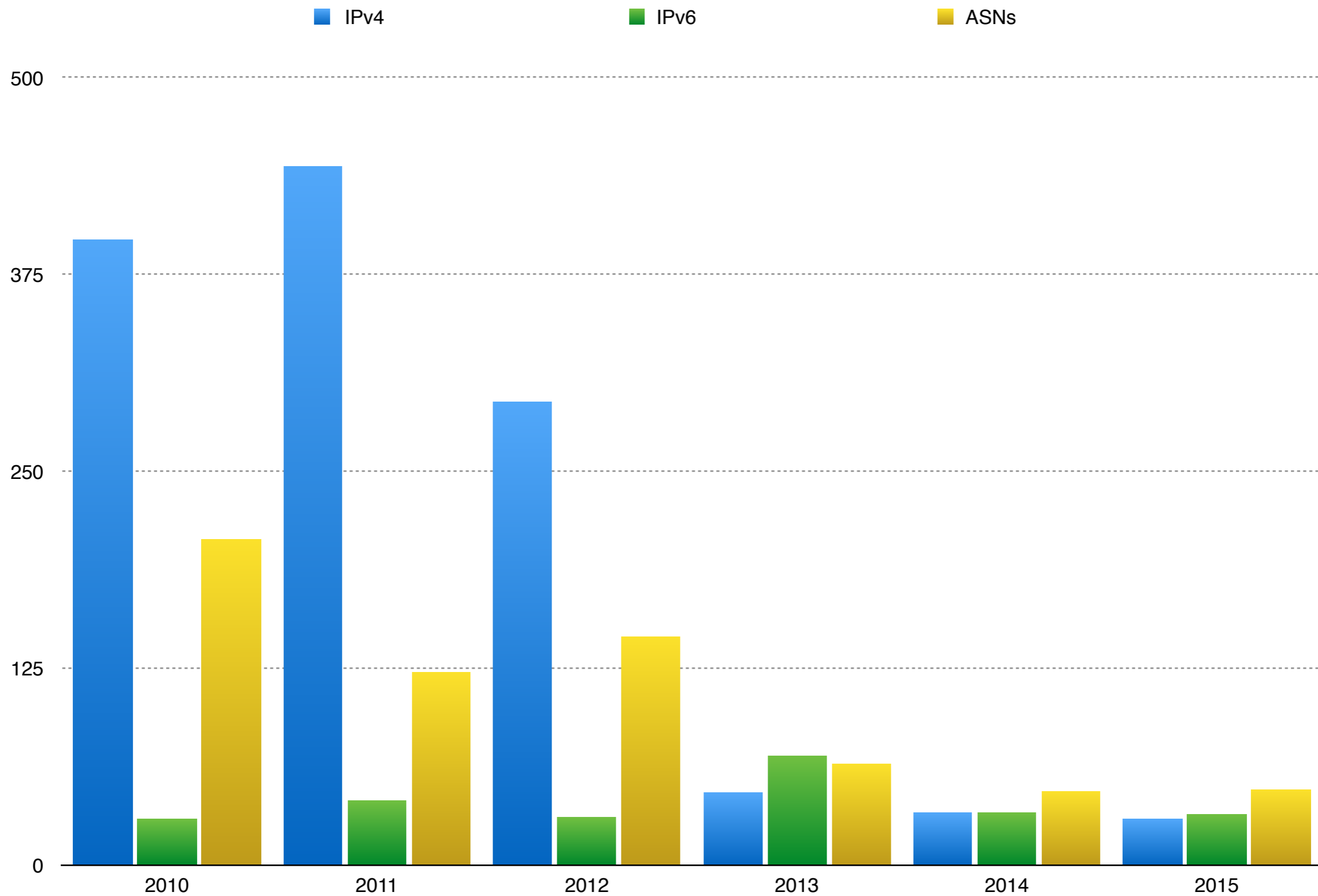


- More focus on RIPE NCC Regional Meetings and community events
  - Supporting NOGs throughout our service region
  - Held RIPE NCC Regional Meetings in Georgia and Armenia in 2015
- Ongoing support for ENOG events and community
- Engaging with governments in the region, particularly on issues concerning regulation, the ITU and the WSIS+10 review

- Over 70% of our members have IPv6 address space
- Providing technical, hands-on IPv6 training courses
- Improving our online IPv6 training and webinars
- IPv6 Roadshows — 10 planned for 2015
- Appointed an IPv6 Program Manager to coordinate our efforts: Nathalie Trenaman

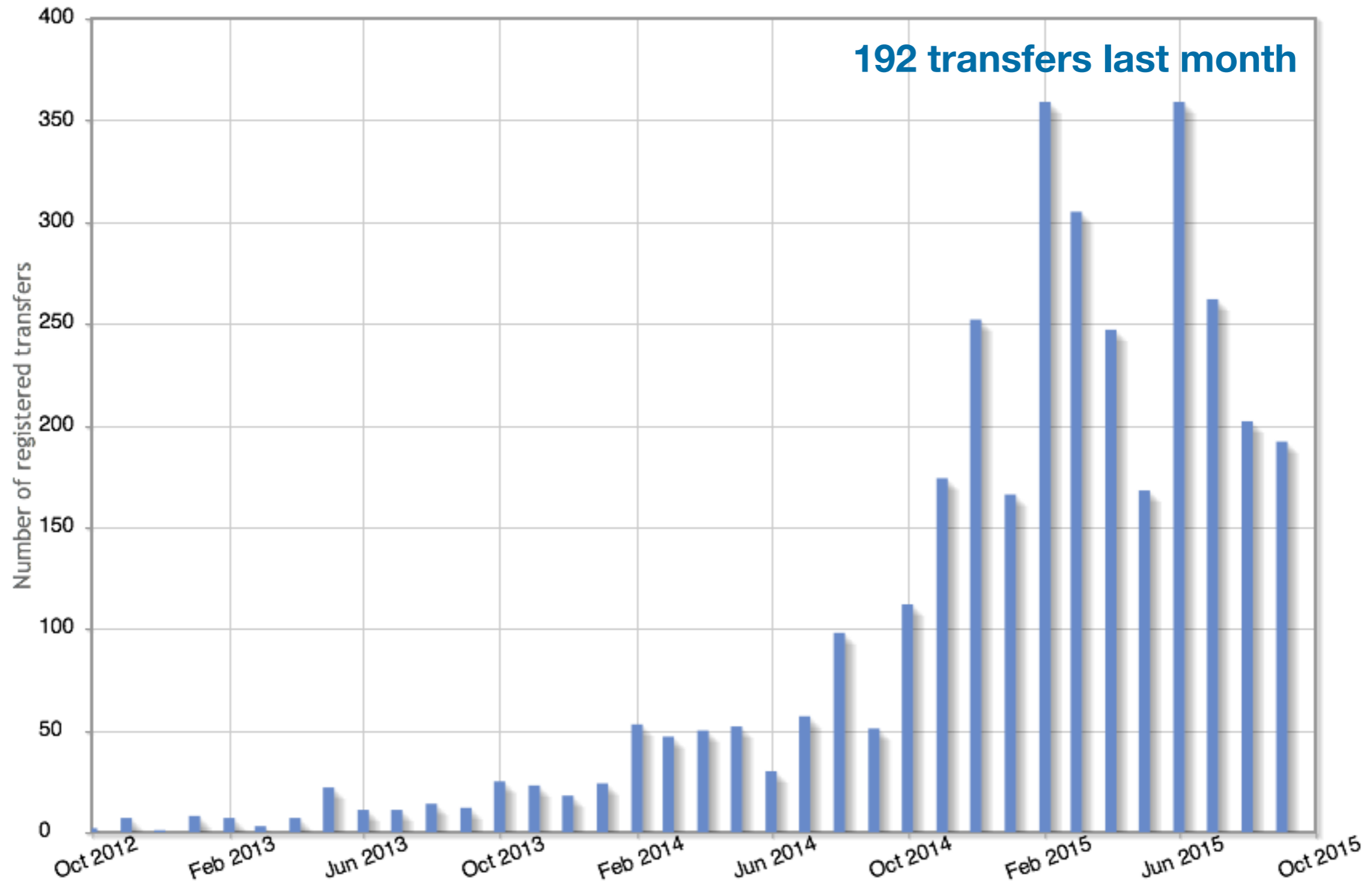




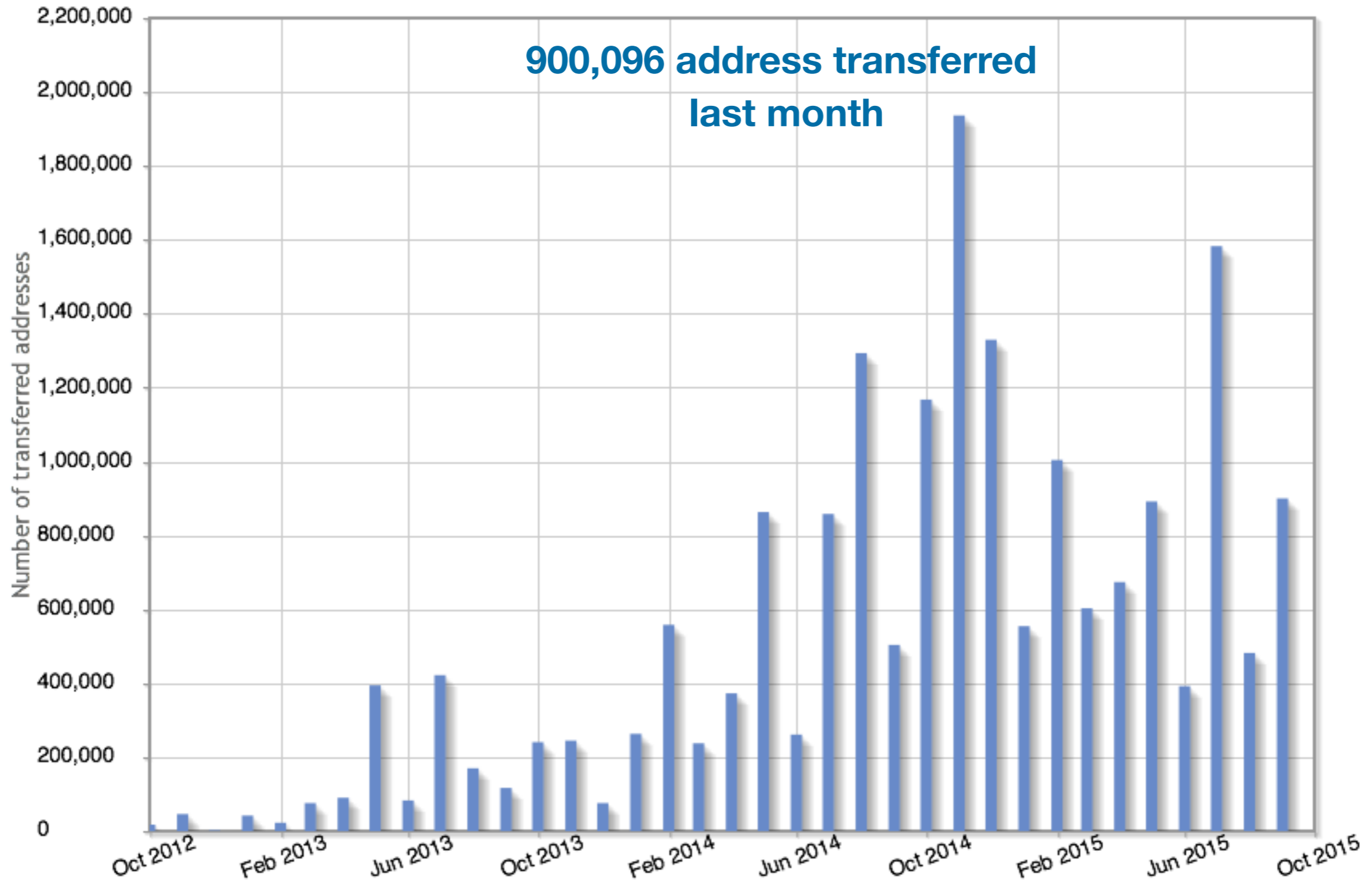


- We still have IPv4 addresses left — more than a /8 in the available pool
  - Every member can get 1,024 addresses (/22)
  - Block reserved for Internet Exchange Points
- Number of transfers increasing:
  - 919 IPv4 transfers in 2014 / 2,288 so far in 2015
- “Alignment of Transfer Requirements” policy change reduces IPv4 speculation from the last /8

<https://labs.ripe.net/Members/wilhelm/ipv4-in-the-ripe-ncc-service-region-three-years-after-reaching-the-last-8>



# Number of Addresses Transferred





- IPv4 addresses becoming more valuable
- Hijackers try very sophisticated methods to obtain control over (apparently) unused address blocks
  - Faking registration and identity papers
  - Faking entire websites and domains
- RIPE NCC has to do more thorough checks
  - 233 resources investigated in 2014
  - Finding the right balance between due diligence and being overly bureaucratic

- A virtual learning environment launched in late 2014
- Allows members to access training resources in their own time, certify their skills, and connect with our trainers and each other through an interactive portal

<https://academy.ripe.net>

**RIPE Database Expert Course**

Welcome to the RIPE Database Expert Course.  
To understand how this course is organised, please click the "Course Guidelines" button on the right.

**Pre-Test**  
Before starting this course, check your knowledge on the RIPE Database.

**1 - RIPE Database Basics**  
Let's get started with the RIPE Database! Learn about the different object types and how they relate to each other.

**2 - Registering Contact Information**  
Create your first RIPE Database objects. Learn how to create a person and role object in the RIPE Database.

**3 - Querying the RIPE Database**  
How can you find information in the RIPE Database? And how can you manage your search results? We will cover that in this module.

**4 - Protection Mechanisms**  
All of your RIPE Database objects must be protected. Learn how to add maintainers to your objects.

**5 - Creating Assignments**  
Learn the concept of Hierarchical authorisation and create assignments in the RIPE Database.

**6 - ROUTE and ROUTES Objects**  
Learn what route and route6 objects are and how you can create them.

**7 - Reverse Delegation**  
Learn how you can setup reverse DNS delegation in the RIPE Database.

**Final test**  
Take this final test to finish the course.  
The test is worth 20% of the overall evaluation of the course.

**Course Guidelines**  
**Course Objectives**  
**Discussion Forum**  
**Database Objects**  
**Activities**  
**Contact Trainer**

**Navigation**

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- Final test

**Activities Completed**

0 of 13

**Course completion status**

Status: Not yet started

All criteria below are required:

Required criteria	Status
Course grade	No grade (70% required)
Activity completion	0 of 13

[More details](#)

- Our engagement and feedback approach works and we will continue with it
- In mid-2016 we look forward to hearing more of your feedback via our large-scale online survey
- We appreciate feedback at all times through all our channels:
  - RIPE NCC-organised meetings
  - Member lunches and training courses
  - Assisted Registry Checks (ARC)
  - Online, mailing lists, social media, etc.

- The latest feedback shows we are on track but there is more work to be done:
  - Continue with accountability and transparency efforts
  - Ensure value for money for all members
  - Promote wider involvement for both GM and PDP
  - Further simplify procedures where possible
  - Ensure engagement throughout the service region
  - Translations valued but costs need to be contained
  - Maintain high training standards (new RIPE NCC Academy IPv6 Training Course in early June)

- RIPE NCC is an association under Dutch Law, which means we must comply with EU sanctions
- In October 2014, our Executive Board passed a resolution affirming our commitment to providing continuity of service
- This means that we will take all lawful steps to ensure organisations in our service region can receive Internet number resources and services from the RIPE NCC
- We will not deny services based on political disputes

- Next GM will be in Bucharest in November
- The GM is where members can discuss the operations and activities of the RIPE NCC
- You can participate fully (voting and discussion) remotely
- **Your direction is essential - please participate and vote in GMs!**

<https://www.ripe.net/publications/news/announcements/general-meeting-november-2015-registration-open>

- Members will discuss the draft Activity Plan and Budget
  - Outlines our plans for the coming year
  - Provides detailed costs in terms of OPEX and FTE
  - Final version is approved by the Executive Board and published in December
- Members will vote on what to do with our surplus
  - Keep it, where it will be taxed before being added to the RIPE NCC's reserves; or
  - Return it to members (around €350 each)



- 590 GM vote registrations from 49 countries in May 2015

