



**RIPE
NCC**

RIPE NCC Mission and Services

Axel Pawlik
Managing Director

- The RIPE NCC was formed in 1992 by the RIPE community:
 - Network coordination centre for Internet number resources
 - Perform secretariat duties on behalf of the RIPE community
 - Enable the technical coordination of the Internet infrastructure
 - Ensure neutrality and impartiality
 - Provide a consistent contact point

- **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

- Secretariat for the RIPE community
- Maintains the RIPE Database
- One of 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!

- Our Mission:

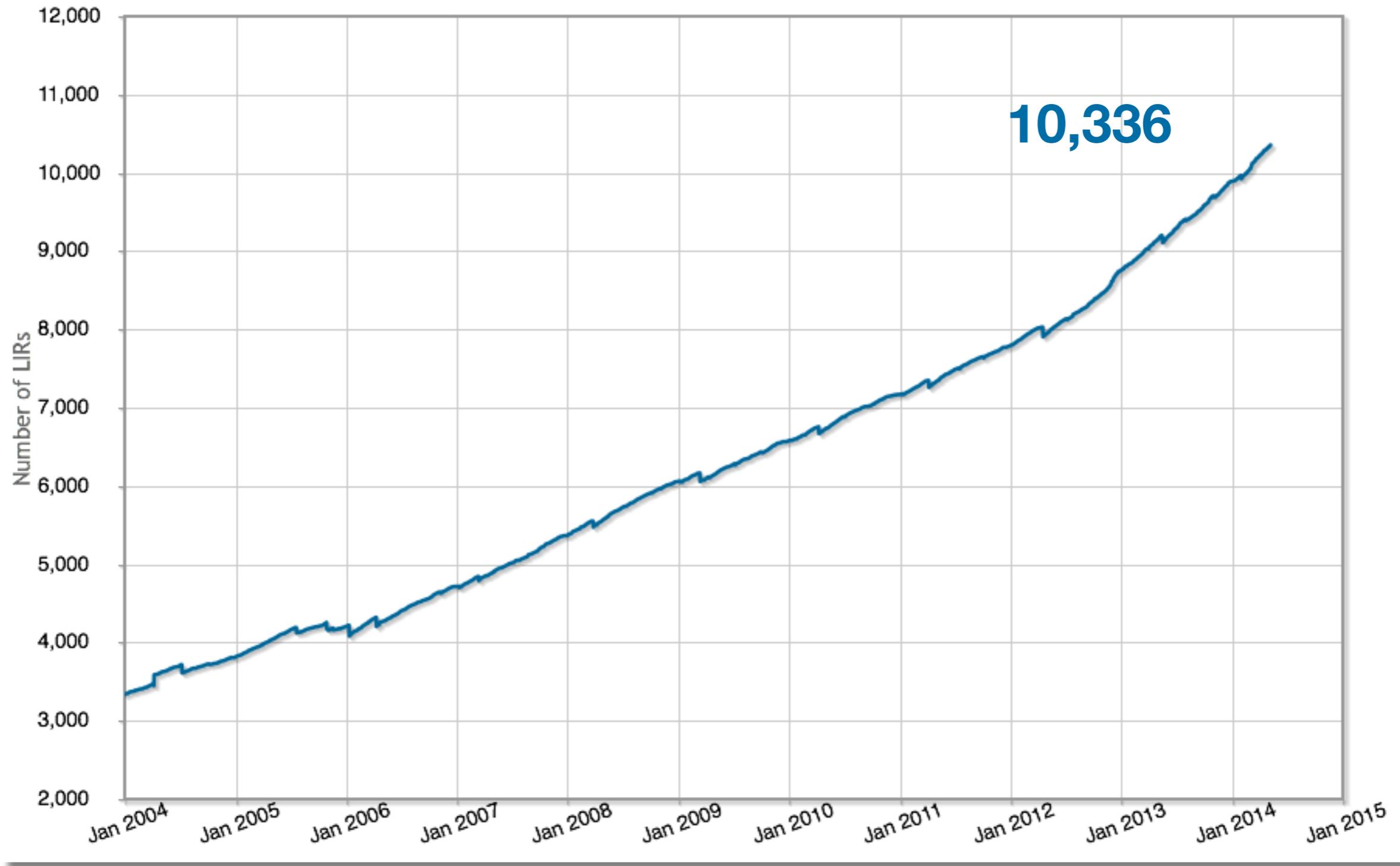
*We serve our **members** by delivering a high quality **registry** and supporting the core Internet infrastructure.*

Connecting people** within and beyond the technical community through our inclusive, multi-stakeholder approach, we contribute to **an innovative and reliable Internet.

The Five RIRs

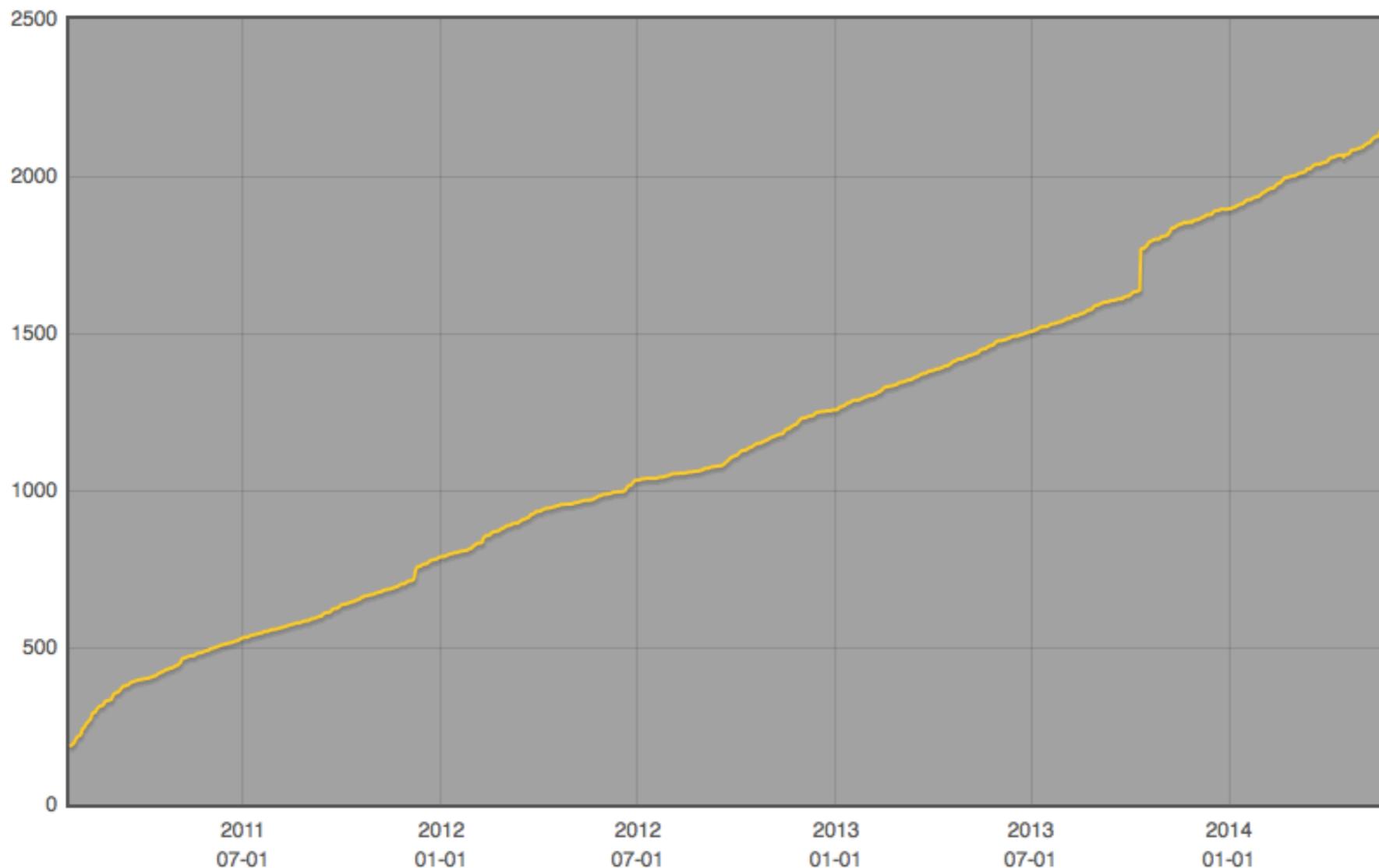


Over 10,000 RIPE NCC Members



Source: <https://labs.ripe.net/statistics>

- Member service: **Resource Certification (RPKI)**
 - *Validatable proof of holdership of resources*



- Hands-on **training courses** for RIPE NCC members hosted all over our service region
- Topics:
 - LIR
 - IPv6 for LIRs
 - Deploying IPv6
 - Routing Security
 - DNSSEC
 - RIPE Database

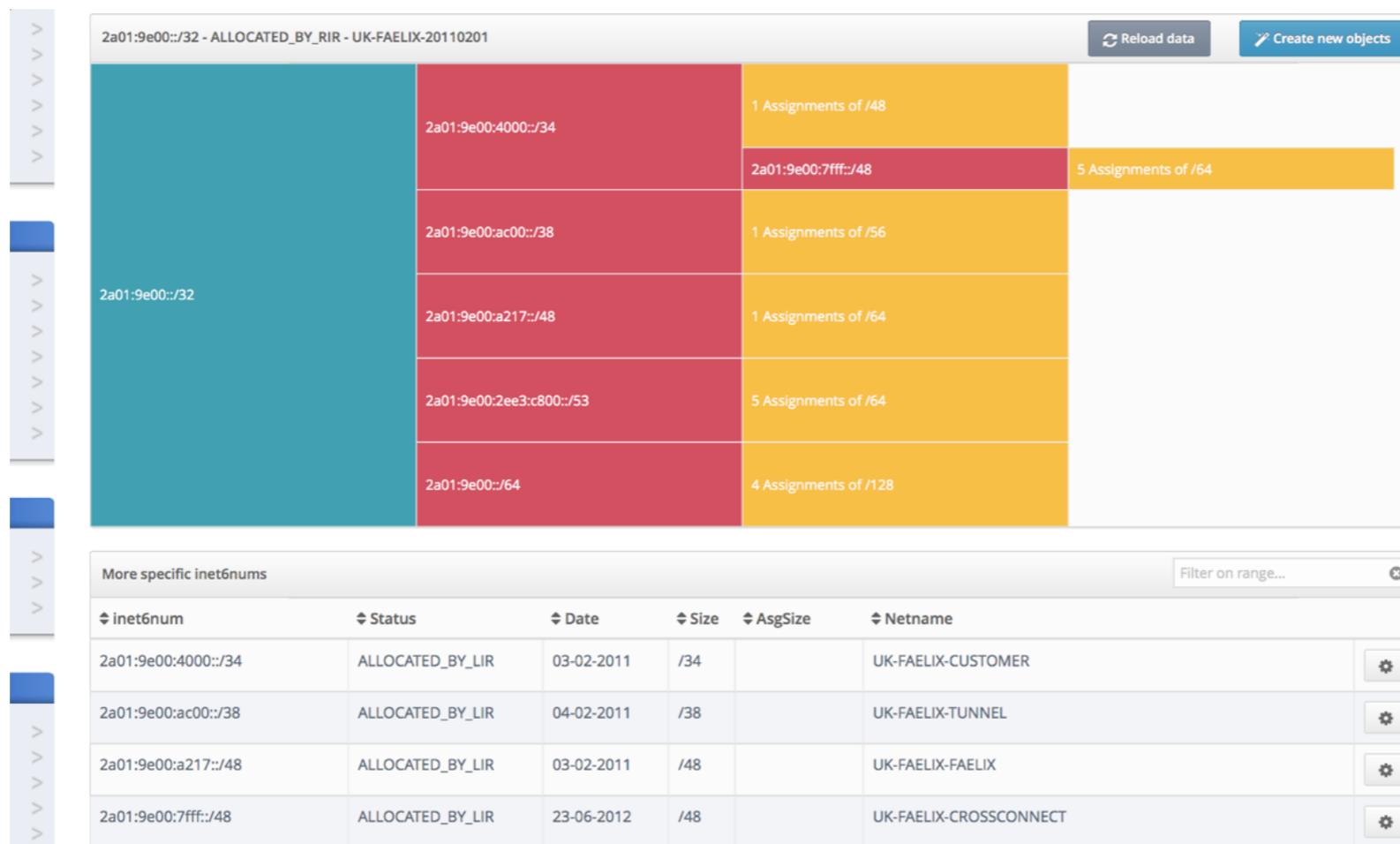
- Learn remotely if you can't attend a training in person

The screenshot displays a webinar interface with the following components:

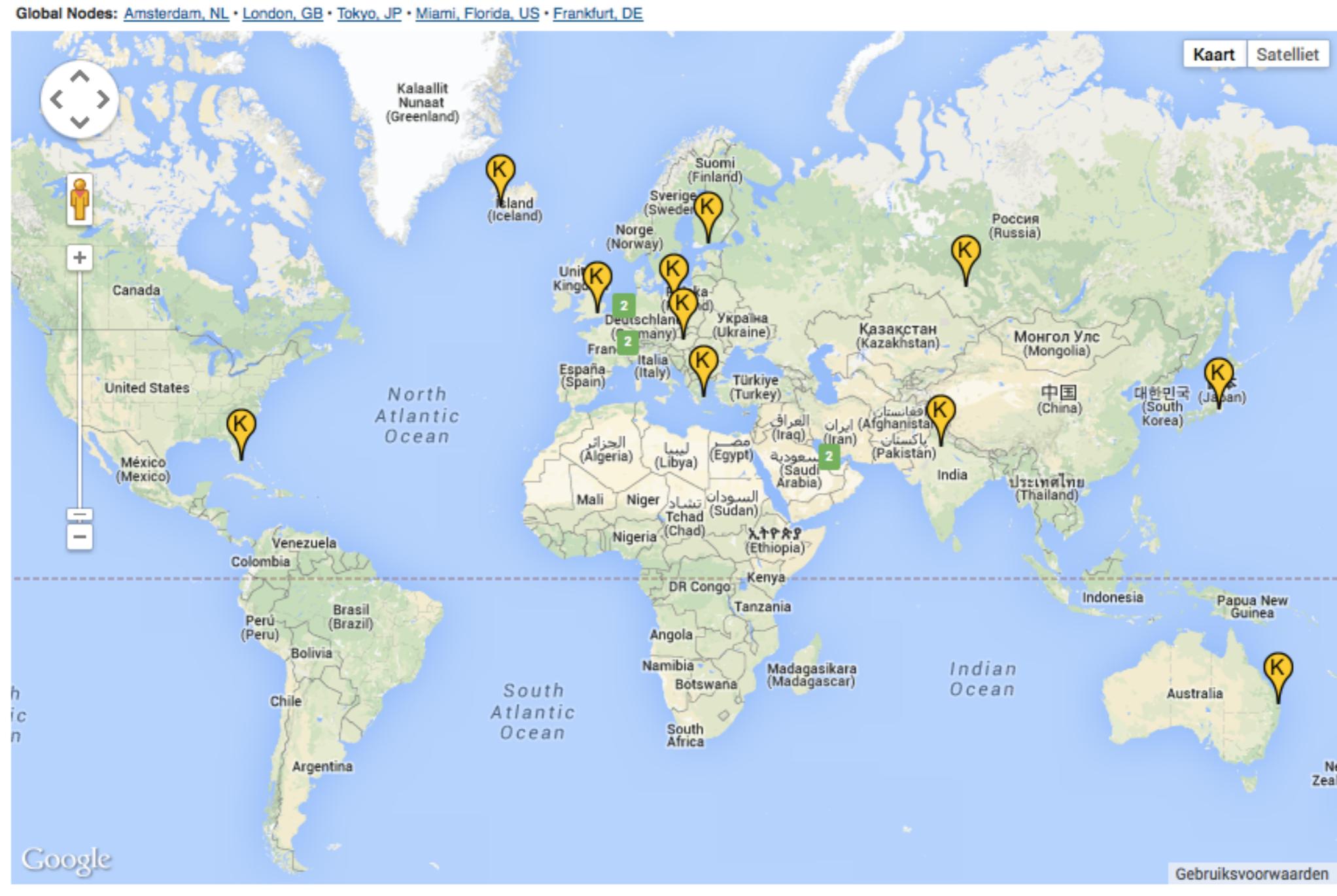
- Slide Content:**
 - Title: LIR Portal
 - Manage your LIR data
 - Contact information
 - Resources information (IP and ASN)
 - Submit request forms: IPv4, IPv6 and ASN
 - Update RIPE Database
 - URL: lirportal.ripe.net
 - RIPE NCC logo
- Video Feed:** Pedro Vaz, the presenter, is shown in a video window.
- Attendees (20):**
 - Pedro Vaz
 - Hosts (1): Training RIPENCC
 - Presenters (2): Ferenc Csorba, Pedro Vaz
 - Participants (17): A. Zhavruk, Artem, Baraneetharan, ben, Ben Ward, Enrico
- Files:**

Name	Size
RIPE DBMiniRefCard03.pdf	158 KB
DB-Objects-Overview-Diagram_1298788568.pdf	797 KB
Database-Reference-Card.pdf	330 KB
NewLIR Webinar.pdf	5 MB
LIR-Handbook.pdf	3 MB
- Chat (Everyone):**
 - Ferenc Csorba: We won't cover that because RIPE NCC doesn't hand out GLOP assignments. You get them from IANA.
 - Tomas: thanks :)
 - Ferenc Csorba: <https://www.rfc-editor.org/rfc/rfc3171.txt> (03/18/2014 13:58)
 - Ferenc Csorba: sorry I meant 224/8 (03/18/2014 14:11)
 - Enrico: Can I do everything I want in Test Database ?
 - Ferenc Csorba: Hi Enrico, yes.
 - Baraneetharan: Could I get the Linux command line for RIPE database query?
 - Ferenc Csorba: You must remember that the Test DB is reset every midnight, so you lose whatever you have created during the day at midnight.
 - Enrico: Ok, it's clear now
 - Baraneetharan: Hi Ferenc, Could you let me know the Linux command line for RIPE database query?

- Member service: **IP Analyser**
 - Shows all allocations and assignments
 - Shows free space, makes suggestions for assignments
 - Notifications of invalid assignments and steps to solve



- Services for all: **Reverse DNS** and **K-root server**



- Services for all: **RIPE Labs, RIPEstat, RIPE Atlas**

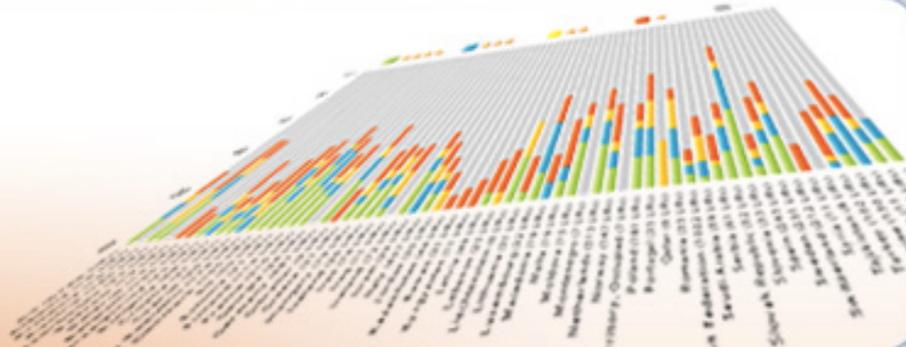


RIPE Labs

Innovative Internet tools & ideas

[Register!](#)

- ✓ Share experience
- ✓ Showcase tools
- ✓ Present research



New contributions

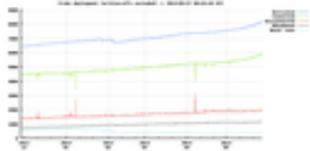
RSS 

Statistics

0 comments

Changes to the Distribution Model for RIPE Atlas Probes

Fatemah Mafi  — Jun 03, 2014 01:55 PM



As the RIPE Atlas network continues to grow, we have taken another look at our distribution model and made some adjustments to ensure wider topological and geographical probe coverage. Community feedback at RIPE 68, notably regarding RIPE Atlas probe coverage, encouraged the RIPE NCC to audit probe distribution in a stricter manner.

Tags: atlas, tools

[» Read more](#)

 **10,336**
Number of LIRs

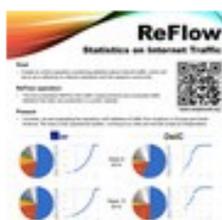
 **18.14 Million**
IPv4 Allocation Pool

 **7,227**
LIRs with IPv6

[View more statistics](#)



RIPE NCC Roadmap



ReFlow: Reports on Internet Flows

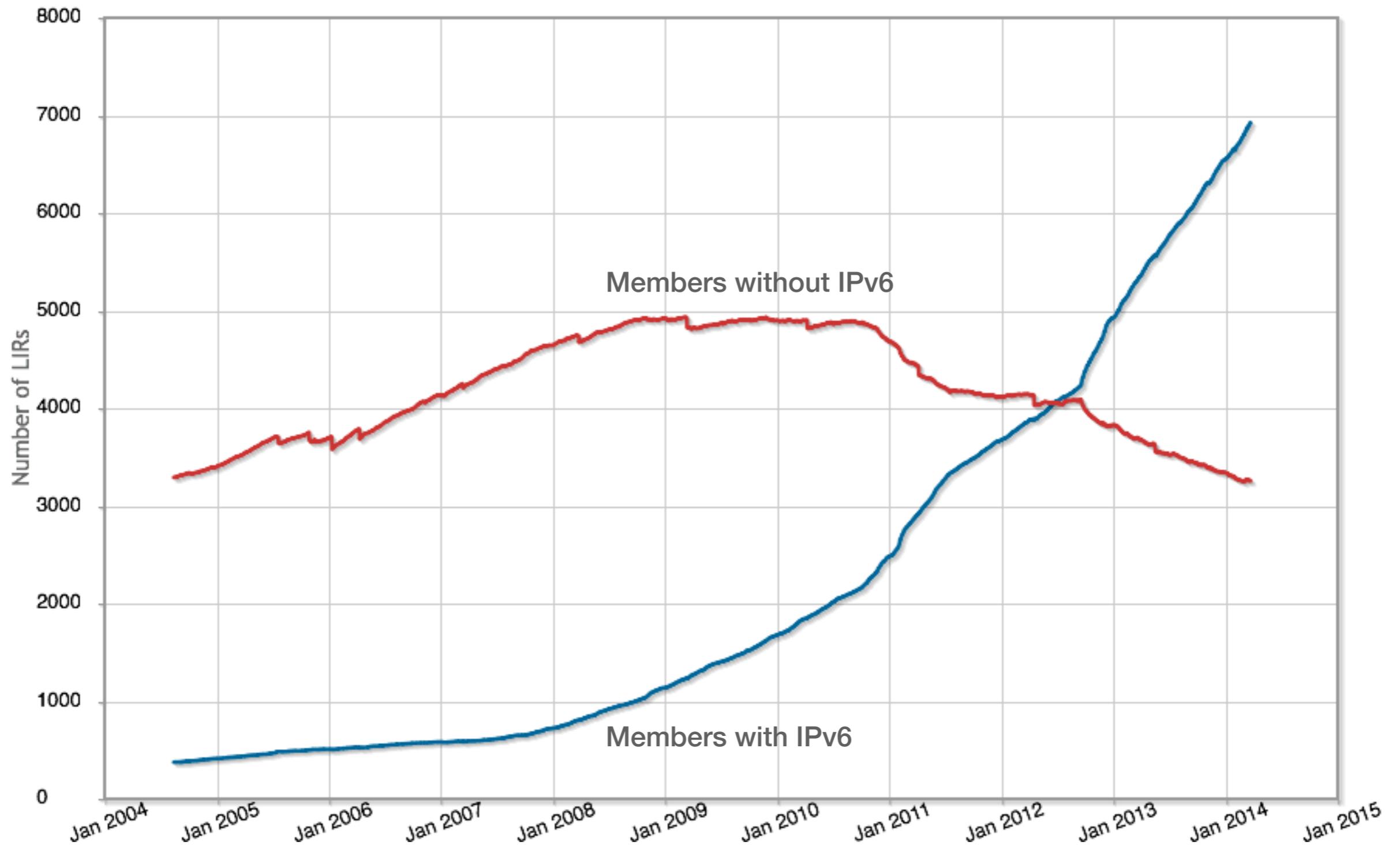
Martijn Hoogesteger — Jun 03, 2014 10:15 AM

The fact that HTTP is the most used application protocol in the Internet is well known. However, statements like this are seldom supported with clear evidence. At the Design and Analysis of Communications Systems (DACS) group, of the University of Twente, we have created ReFlow: a public website containing statistics about general Internet traffic. The main goal of ReFlow is to maintain historical traffic data, allowing for comparisons and analysis of trends on Internet traffic. This

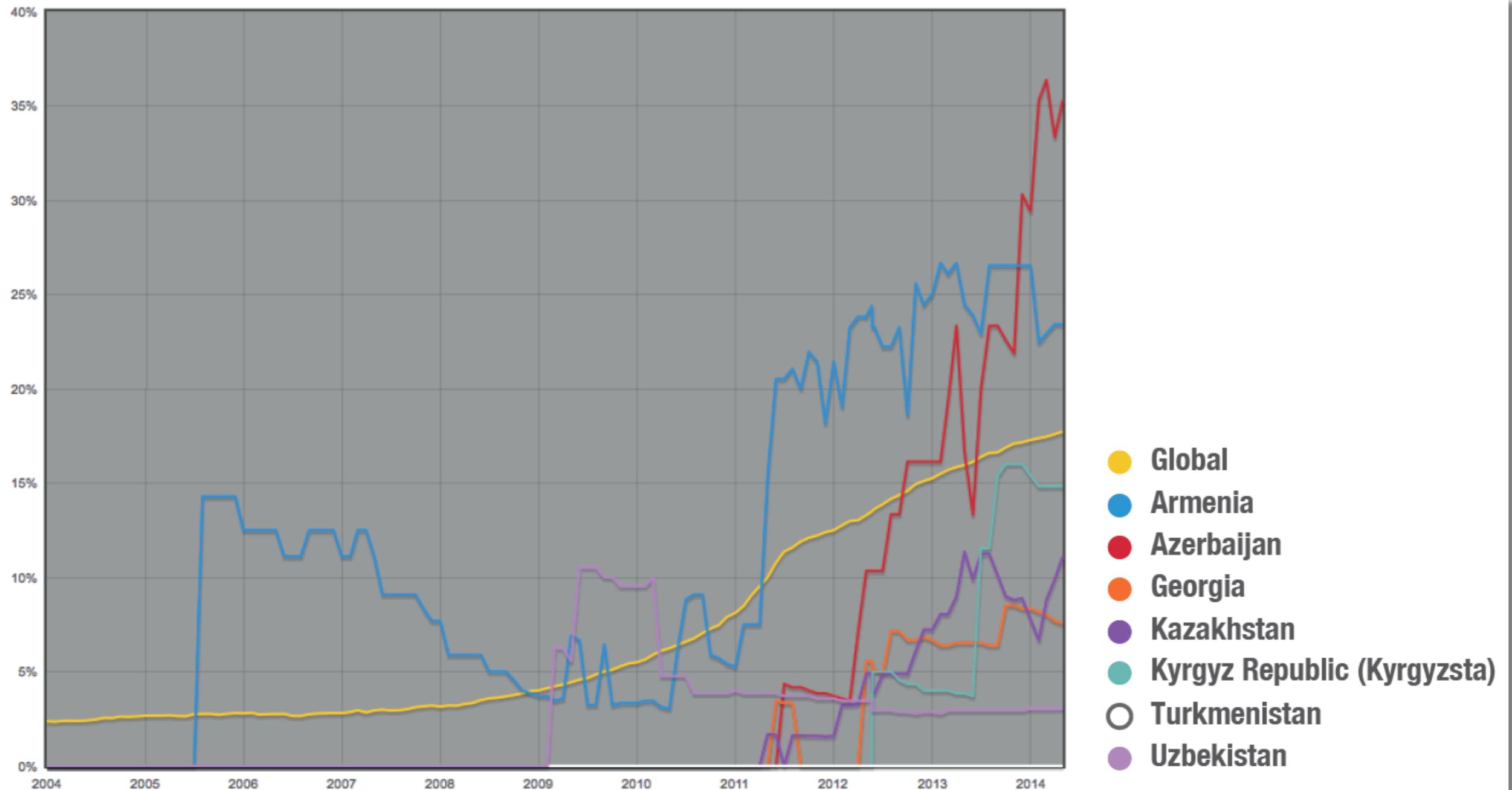


- In 2013 we conducted a member survey
- We had over 3,500 responses to the survey
- Many from this region
- *You* told us you wanted:
 - More **regional presence**
 - More **language support**
 - More **local training**
 - More **IPv6 case studies**
 - More **local engagement**

- Investigating supporting more languages
 - Provide translations of key documents and information
- More contact with membership
 - Small-scale events such as dinners and lunch meetings
- Advancing capacity building
 - Introducing two-day technical IPv6 training
 - Improving E-learning platform and courses
 - IPv6 Roadshow material rewritten
- Collecting input on website improvements

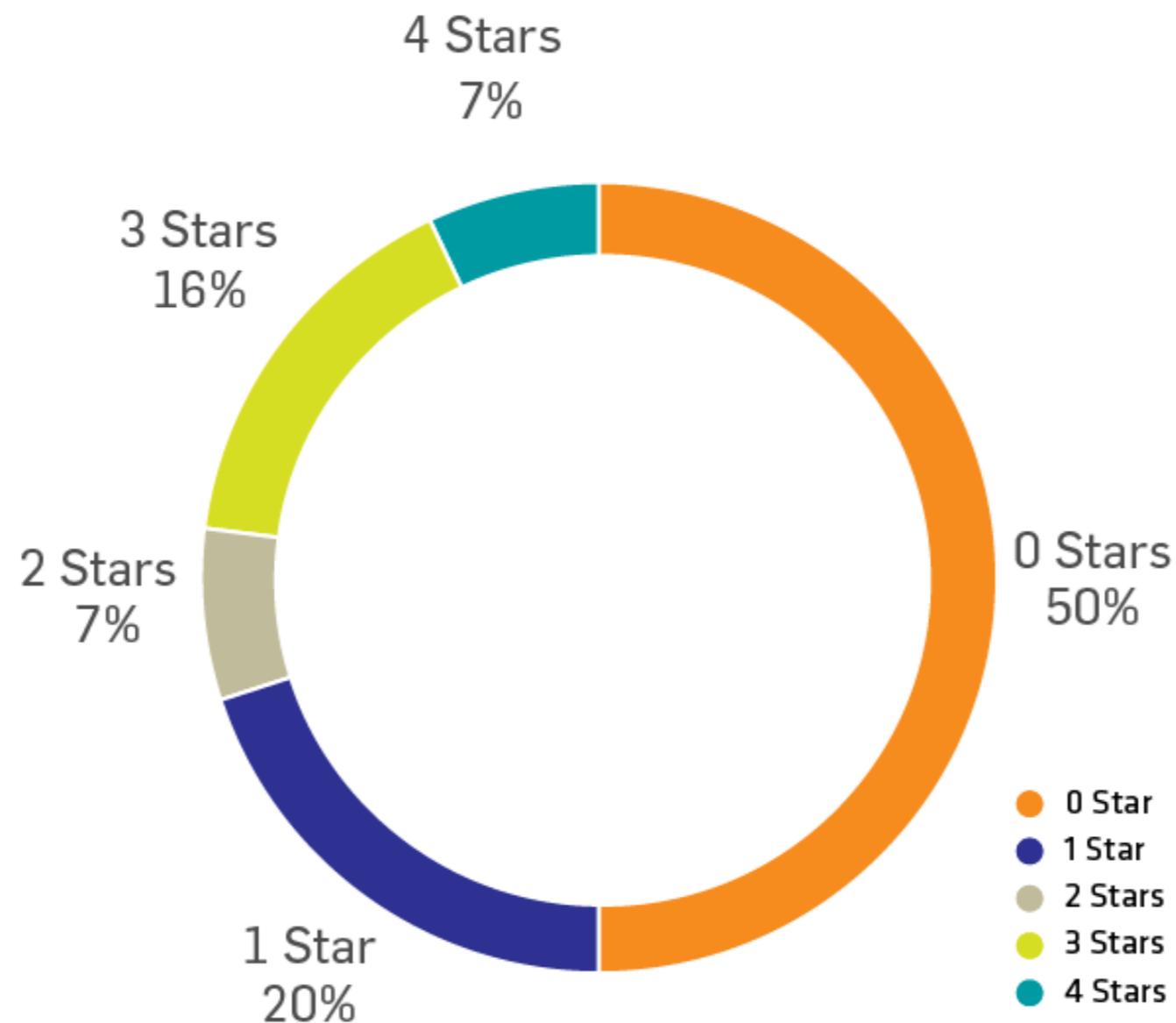


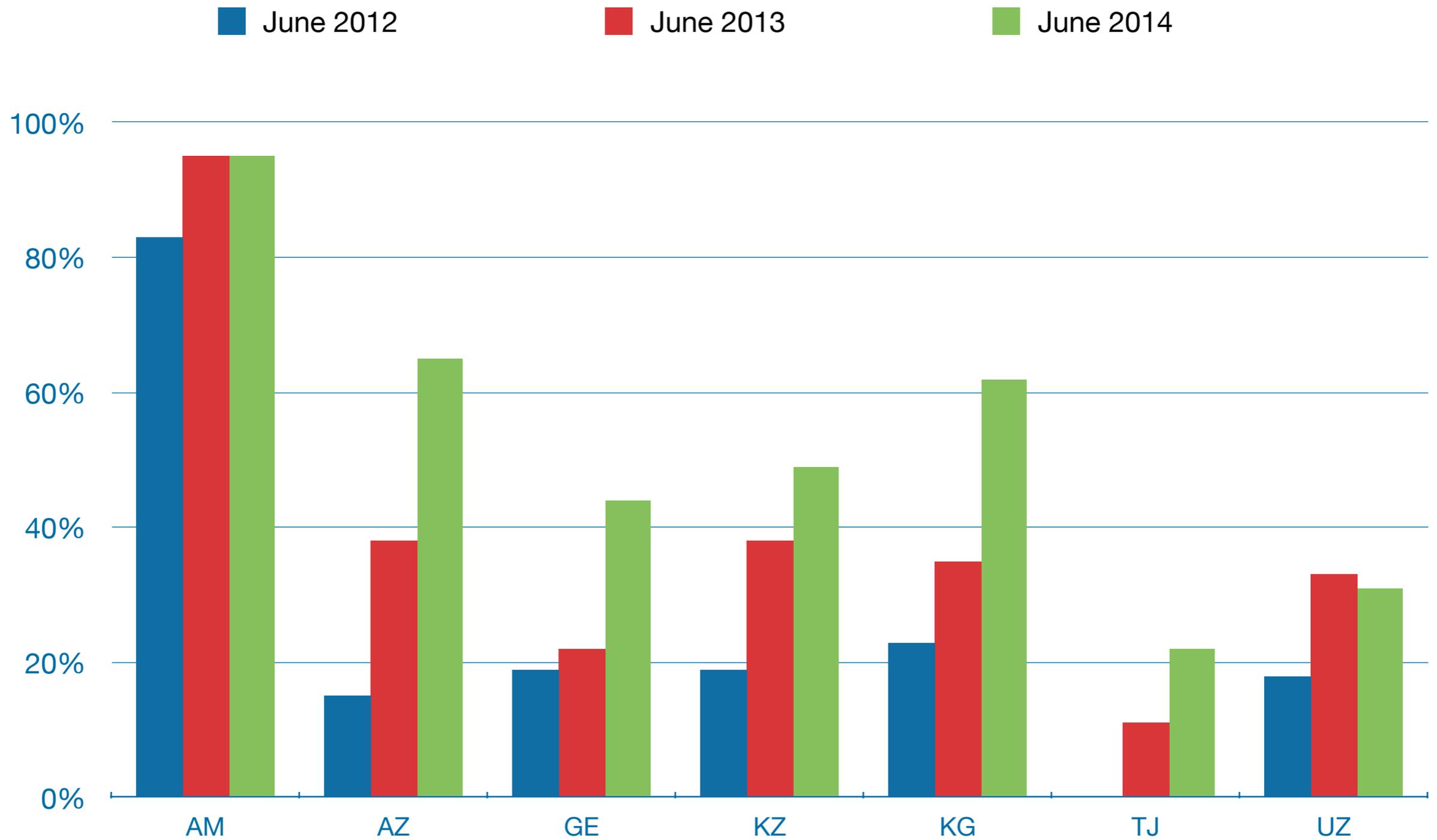
% of ASes Announcing IPv6



<http://v6asns.ripe.net/v/6>

- Rating system that gives LIRs “stars” depending on their IPv6 deployment





- GM held in Warsaw during RIPE 68 on 14 May
- 12% of LIRs in Kazakhstan voted
- 2015 Charging Scheme was adopted
 - €1,600 per annum (€150 down on 2014 fee)
- Adoption of implementation process of RIPE NCC services to Legacy Resource Holders
- RIPE NCC Executive Board elections
 - three vacant seats filled by Maria Häll, Salam Yamout & Christian Kaufmann

