RIPE NCC Mission and Services

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History of the RIPE NCC

- 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

About the RIPE NCC

- **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

The RIPE NCC Today

- 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!

The RIPE NCC Today

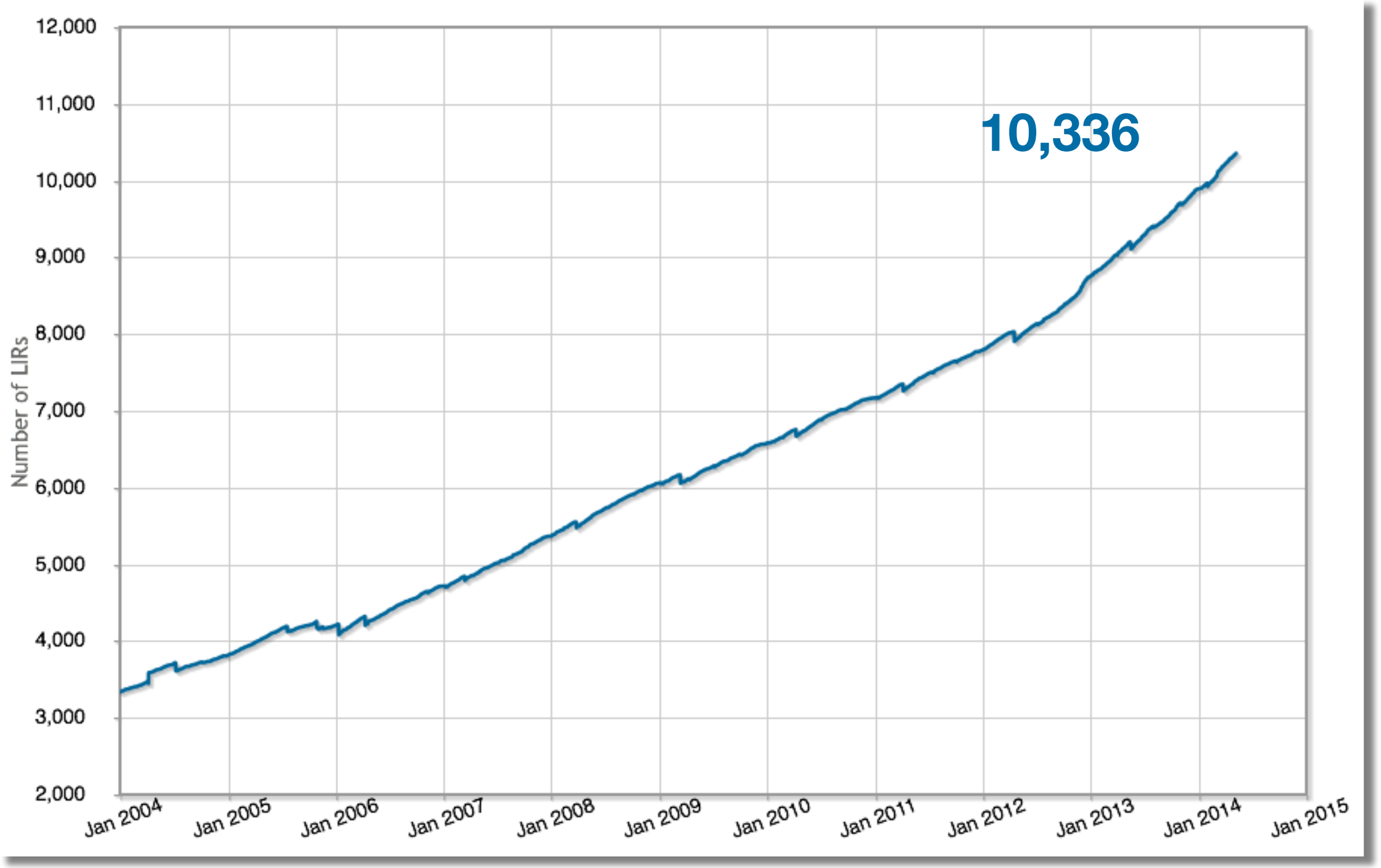
- Our Mission:

  *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

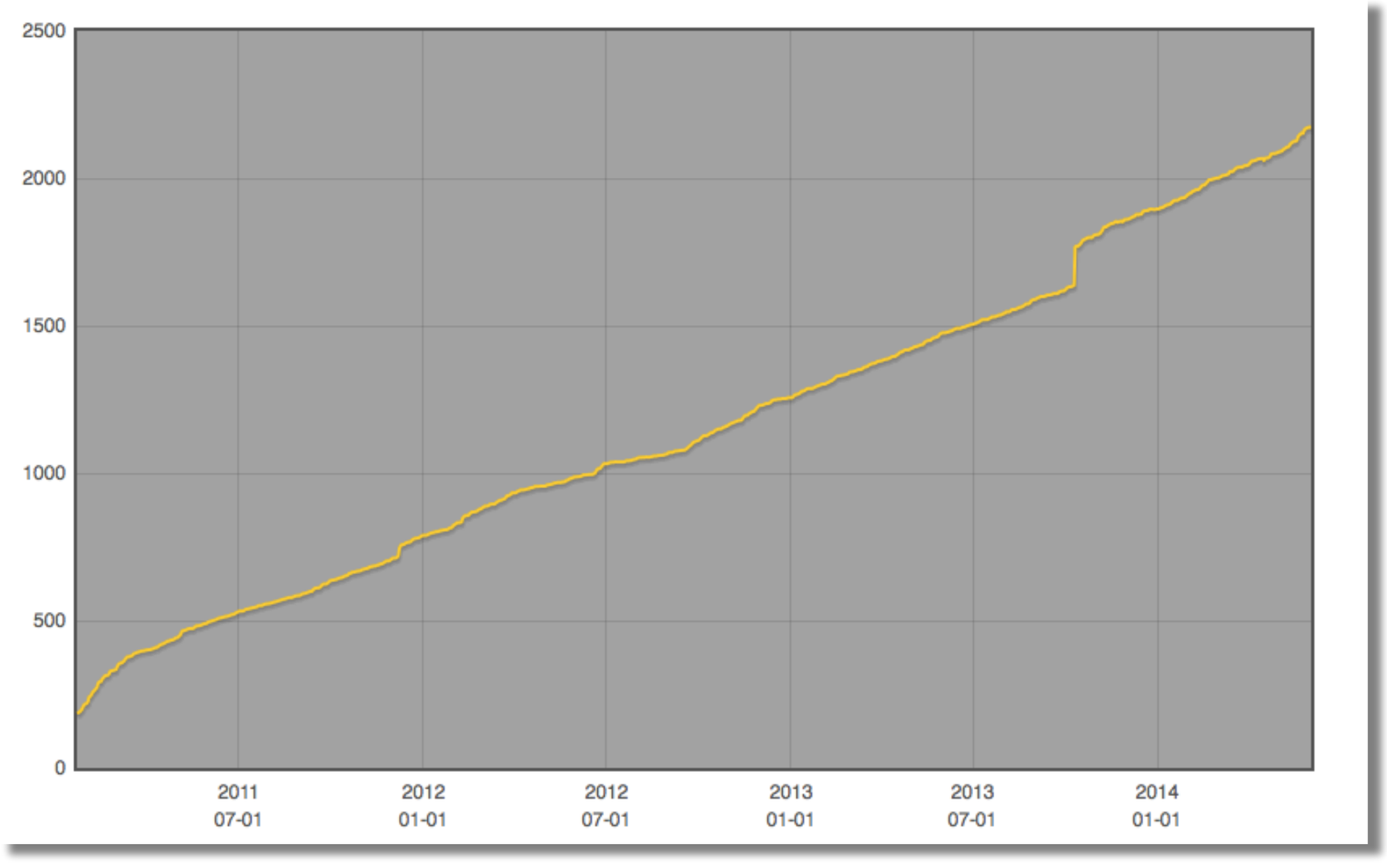
Over 10,000 RIPE NCC Members



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

RIPE NCC: More Than Just a Registry

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

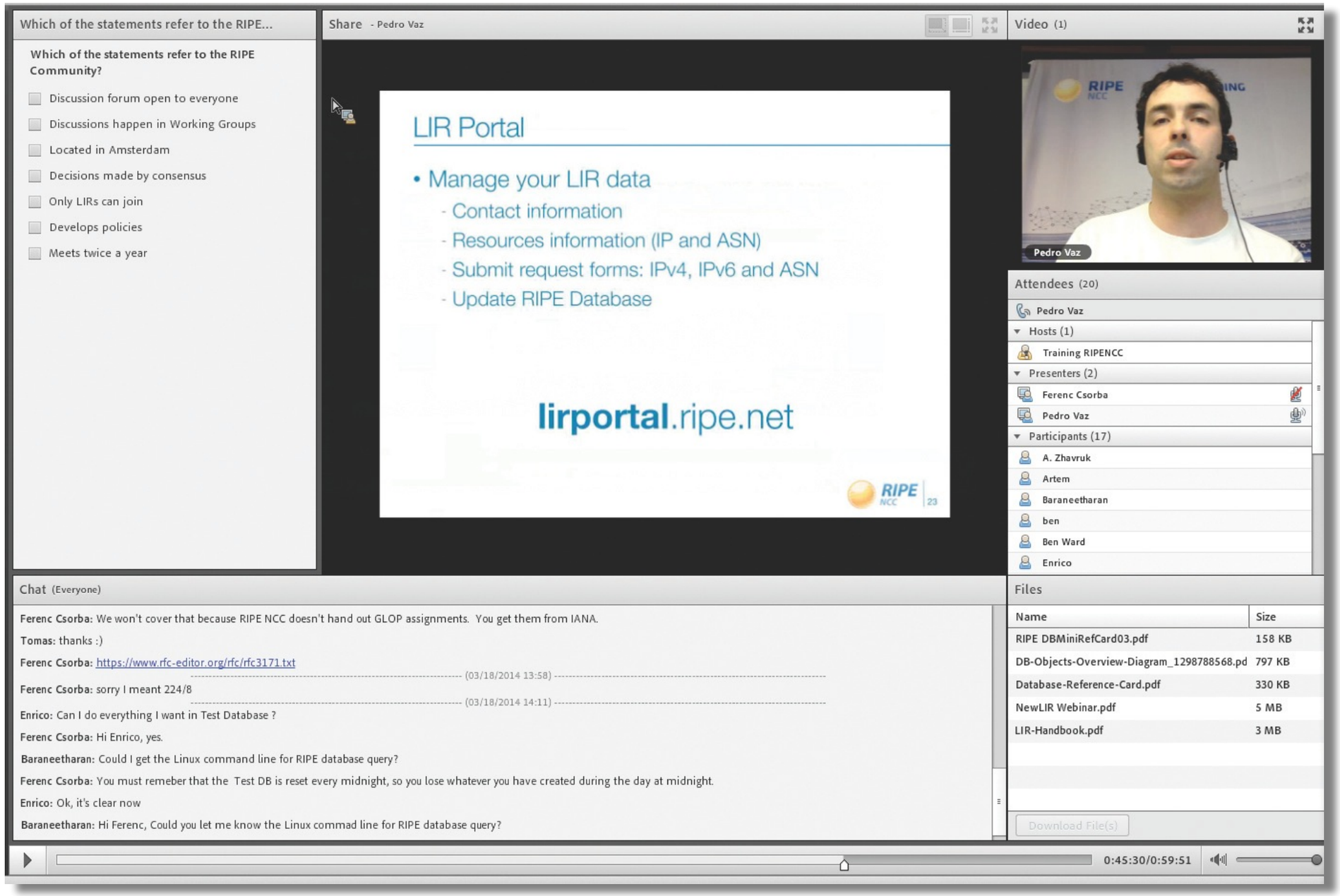


More Than Just a Registry - Training

- 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

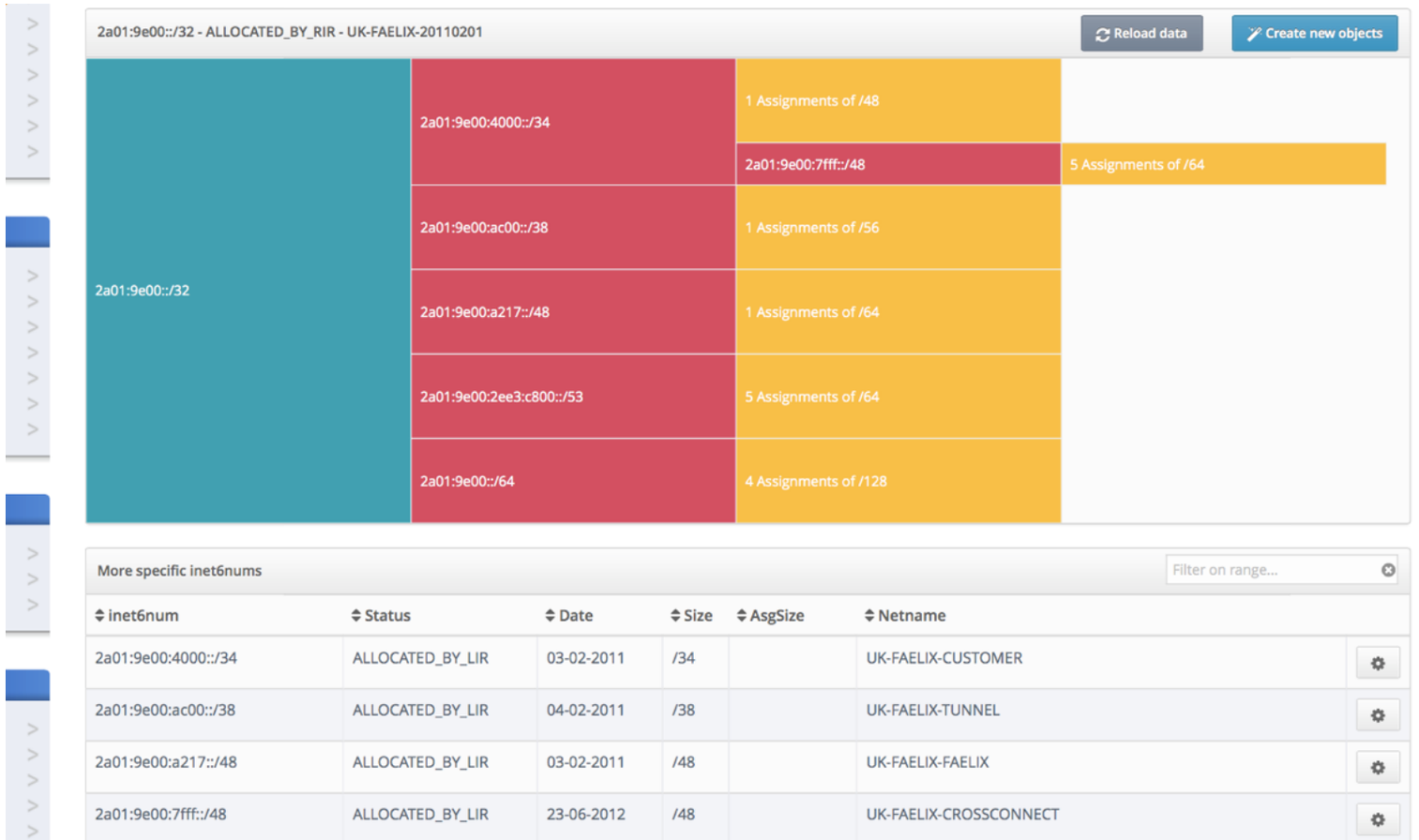
Interactive Webinars

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



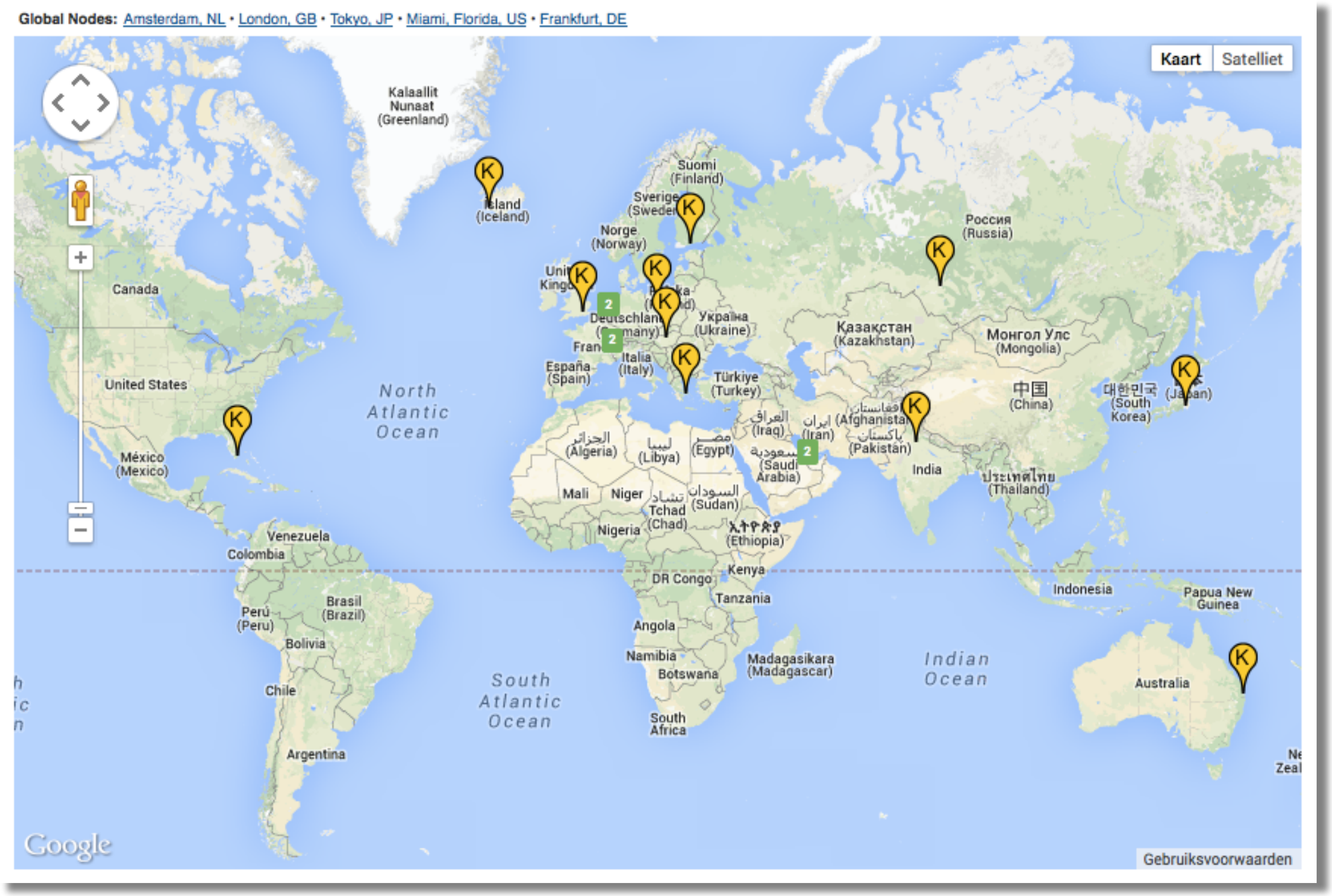
More Than Just a Registry

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



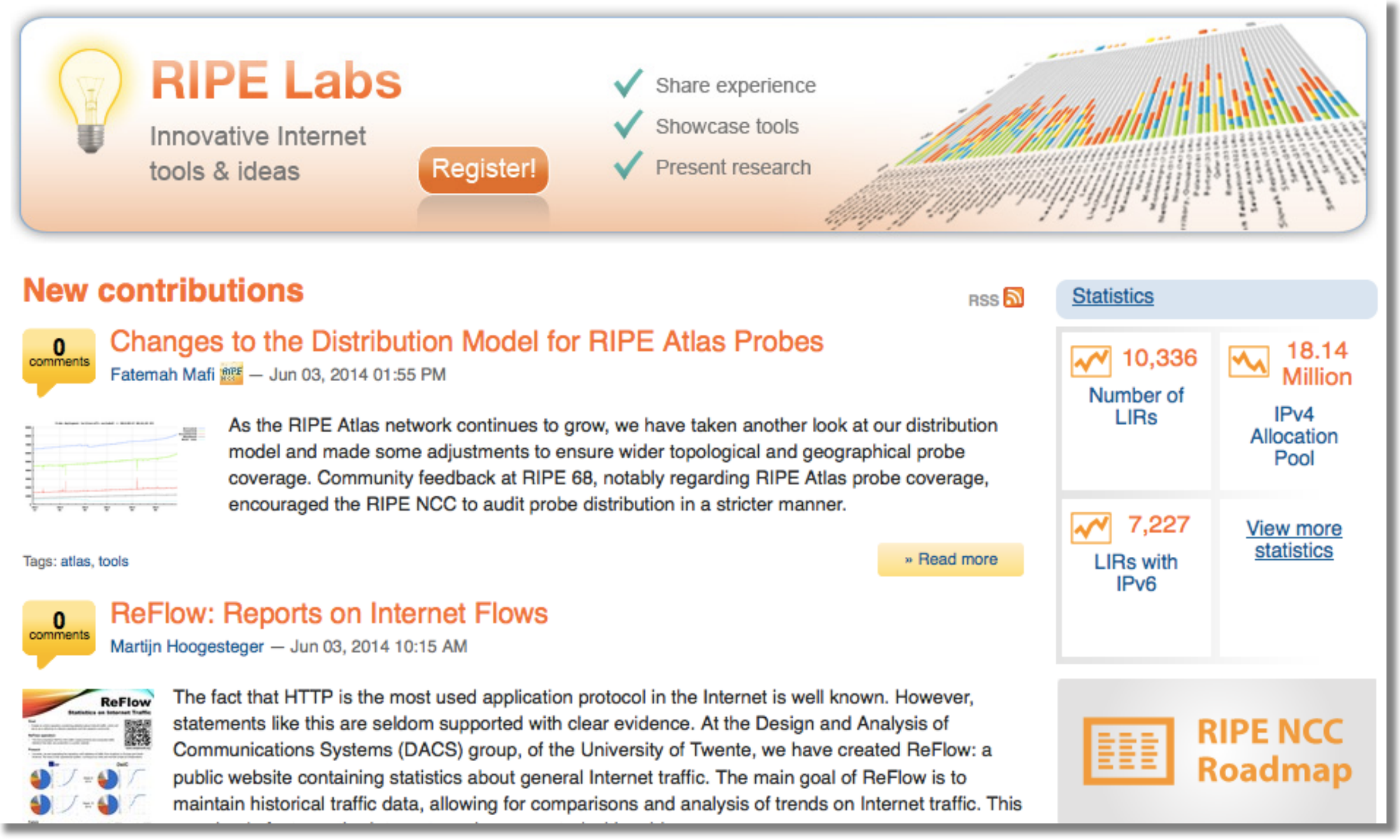
More Than Just a Registry

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



More Than Just a Registry

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



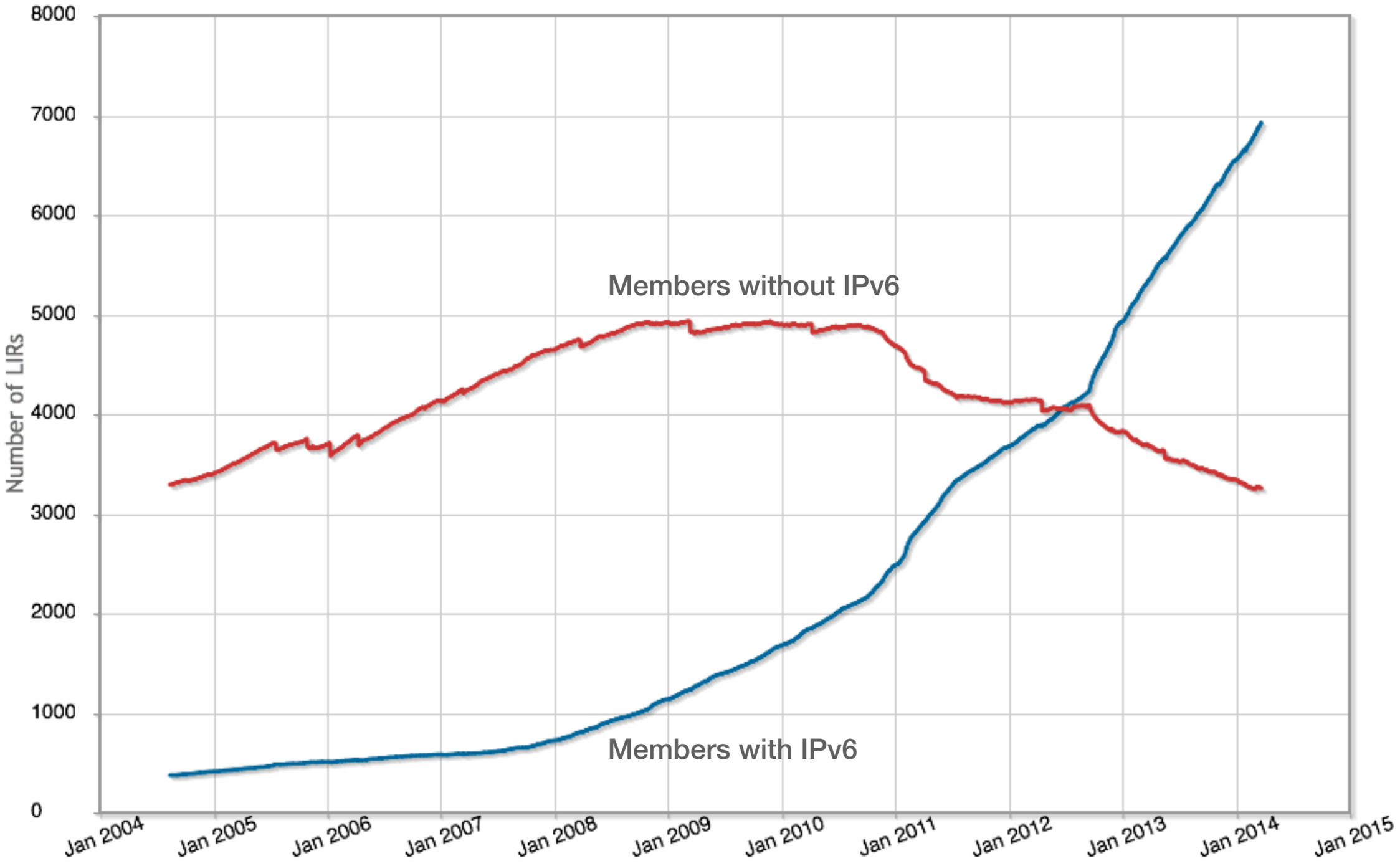
We Have *Your* Needs in Mind

- 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**

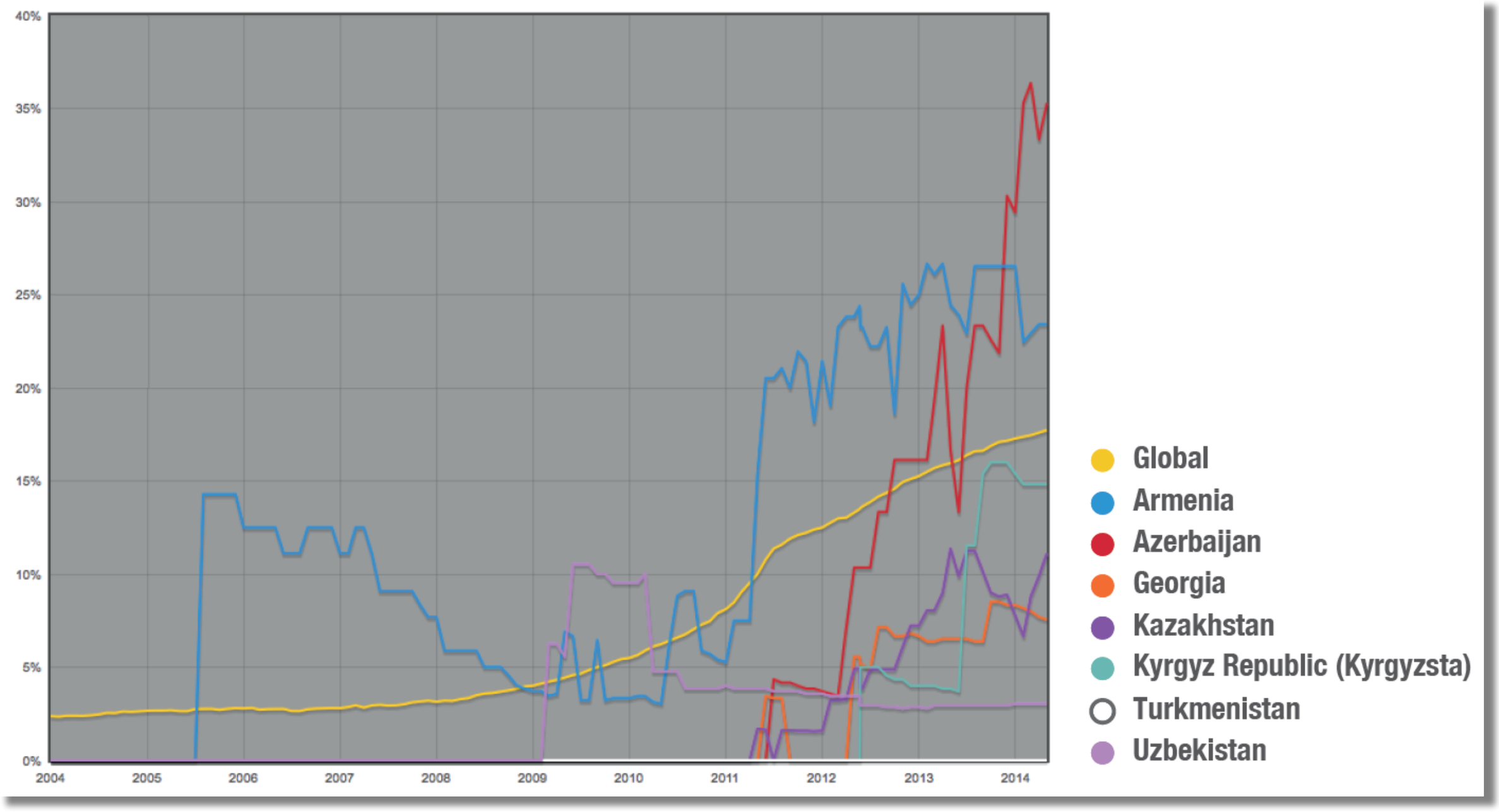
More Improvements

- 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

IPv6 and RIPE NCC Membership



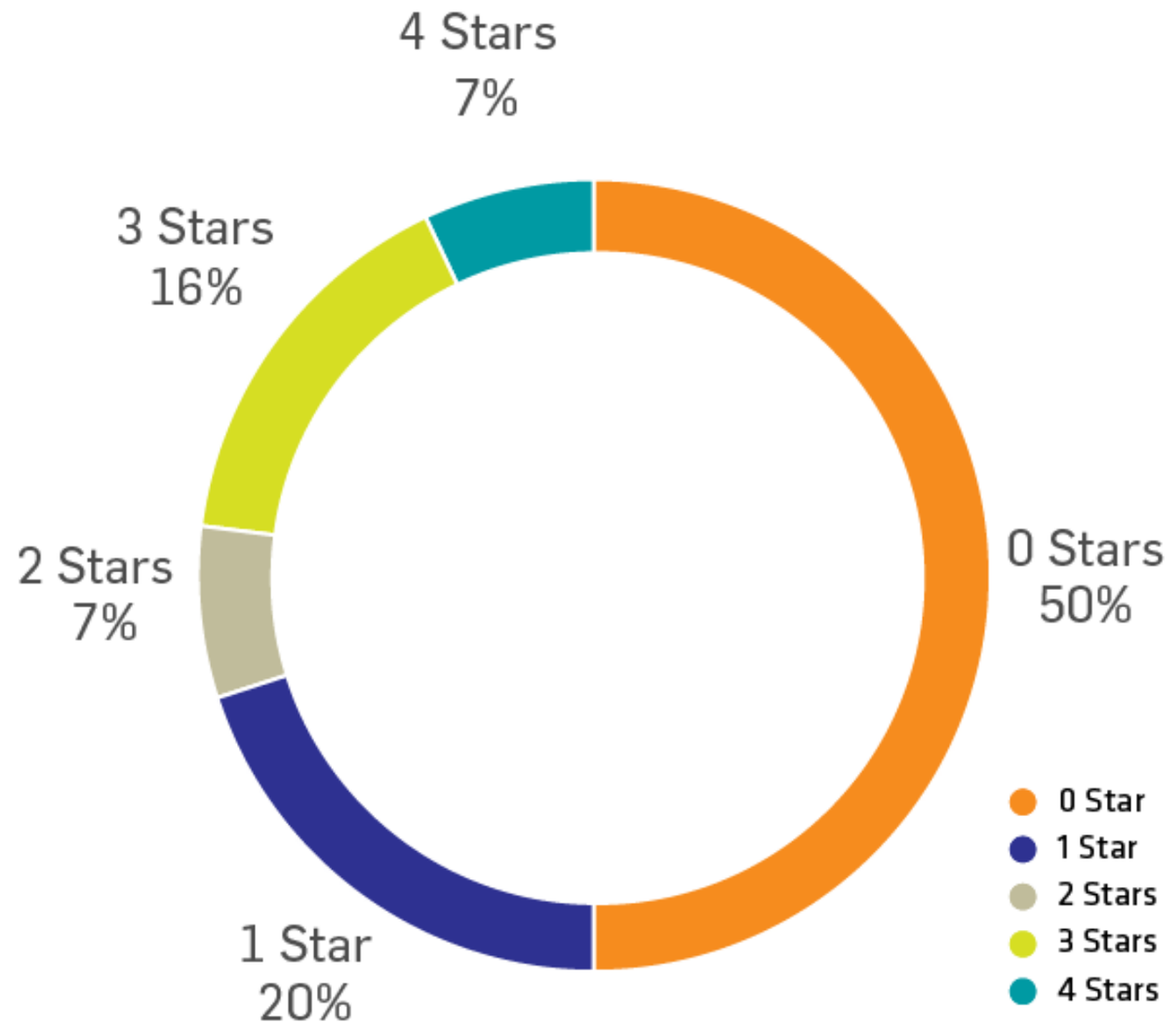
% of ASes Announcing IPv6



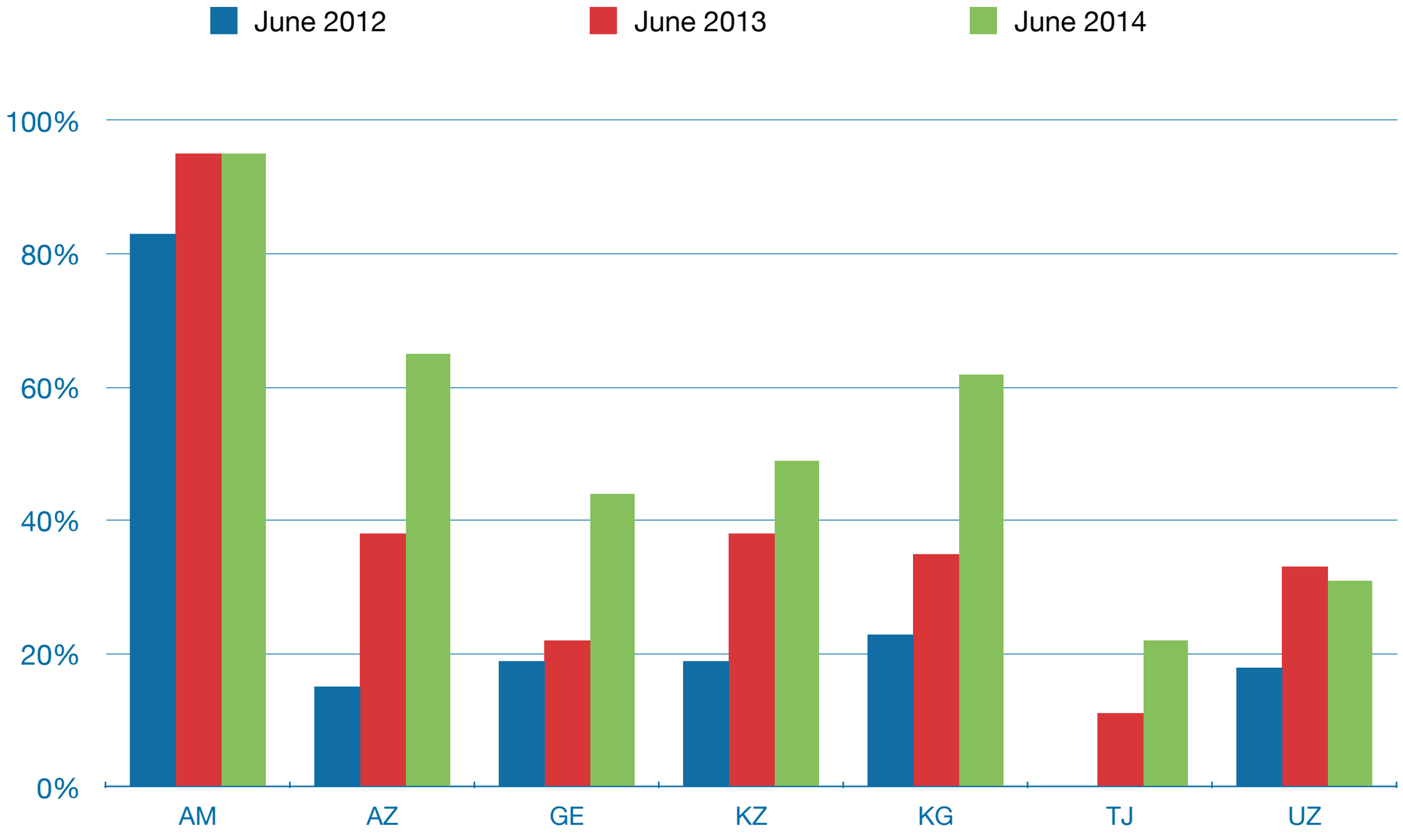
http://v6asns.ripe.net/v/6

IPv6 RIPEness in Kazakhstan

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



RIPE NCC Members with IPv6



RIPE NCC General Meeting

- 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

Questions?