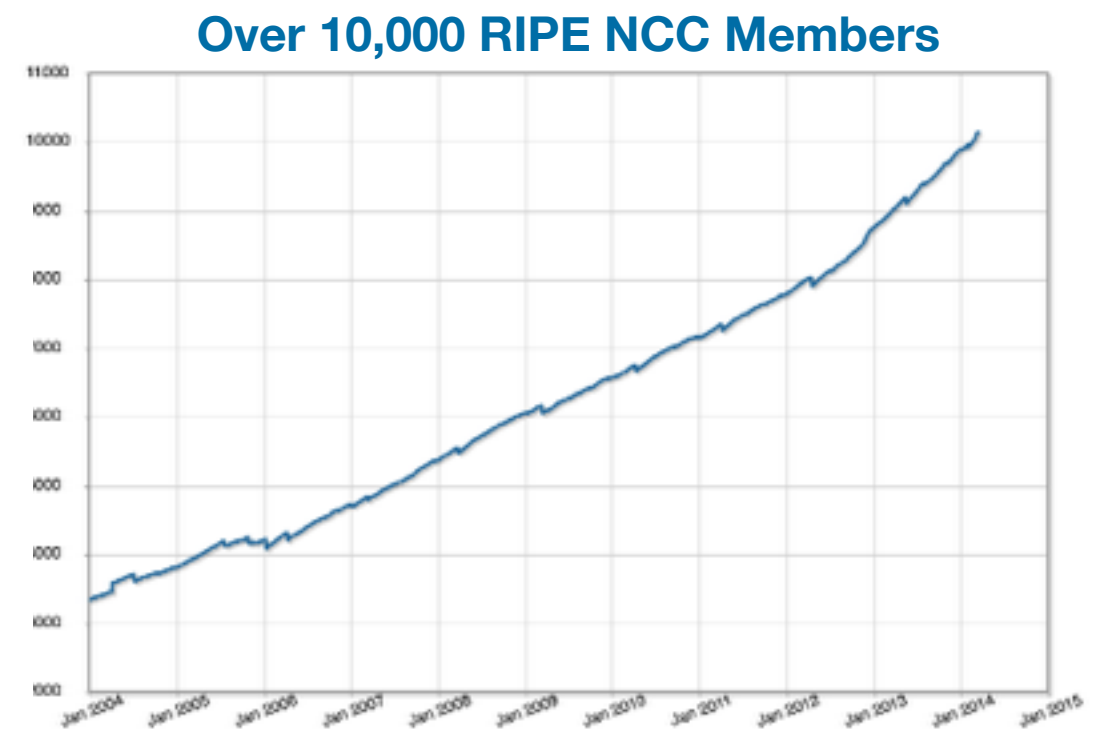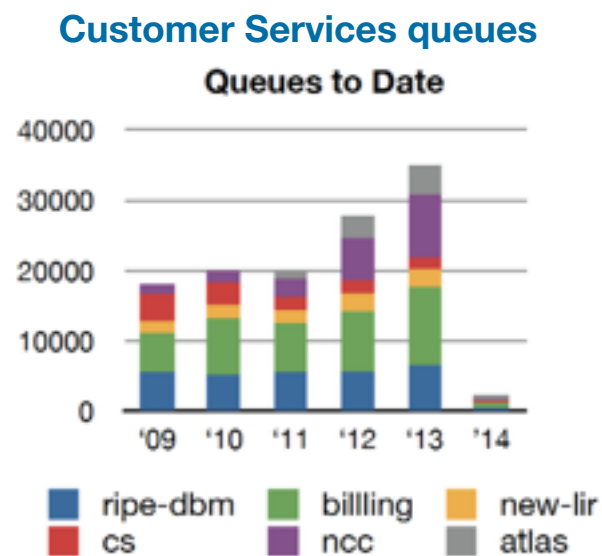# RIPE NCC Update

Ingrid Wijte
Registration Services

Busy Times

- More organisations becoming a member

- Expanding regional presence

- IPv4 transfers increasing

- IPv6 gaining momentum

- Improving contact methods and RIPE website

- Increasing complexity

Customer Services queues

Over 10,000 RIPE NCC Members

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

Expanding Regionally

- Established a Dubai office in 2011

- Time has come to expand our presence

- Hired two Arab speaking employees to work from Dubai

- Opened an office in Media City
  - Better contact with the Arab community
  - Operations remain in Amsterdam

- We still have IPv4 addresses left

    - Every member can get 1,024 addresses (/22)

    - Block reserved for Internet Exchange Points

- Number of transfers increasing

- "Post depletion adjustments" policy changes reduce bureaucracy

    - Less paperwork to prove you need addresses
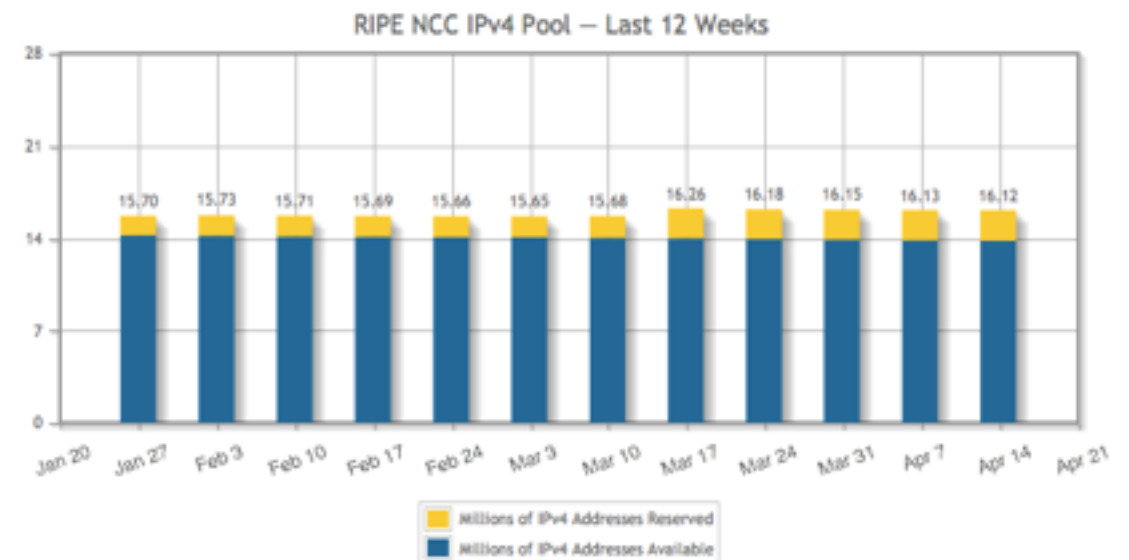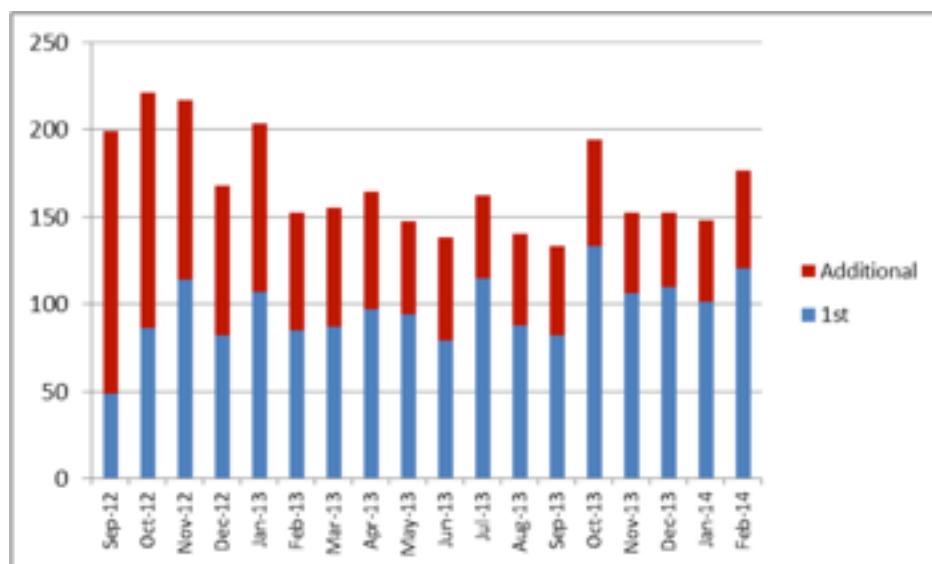
IPv4 Transfers

IPv4 Transfers under Transfer Policy
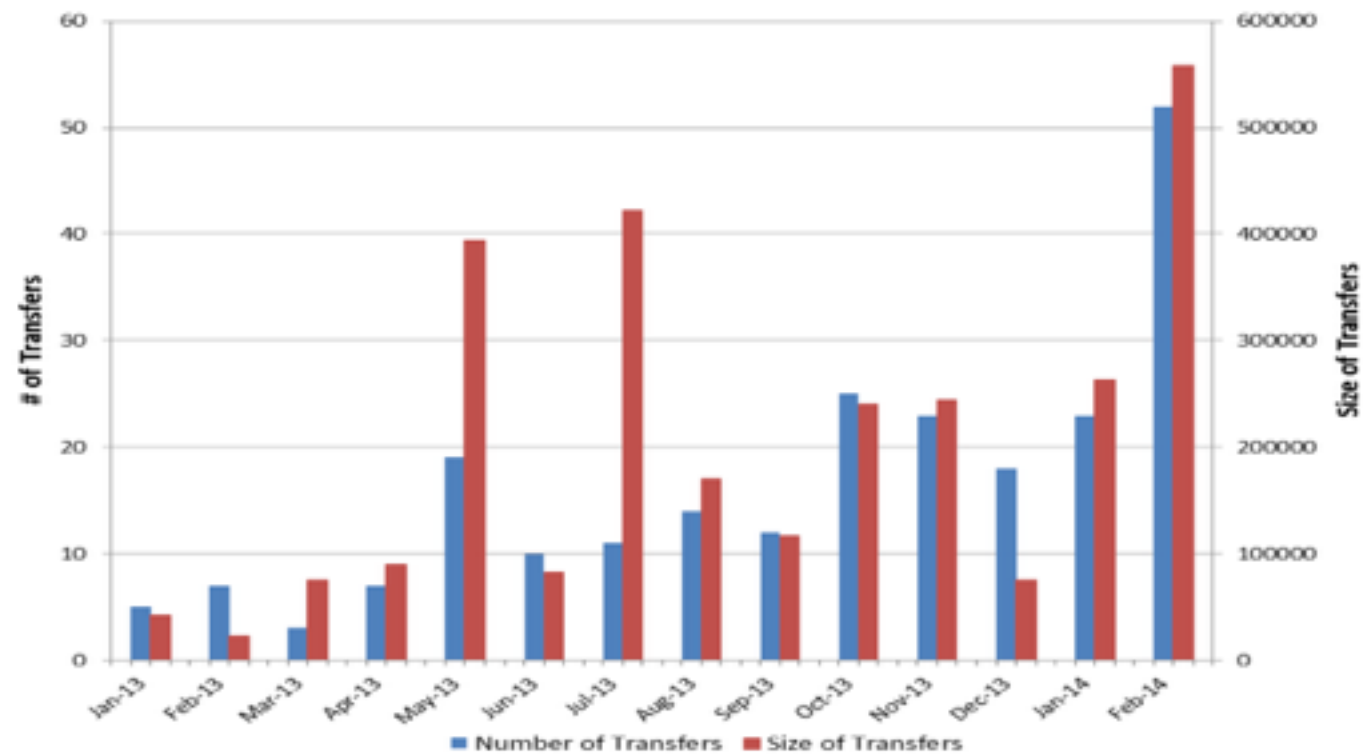
Mergers & Acquisitions

IPv6 and RIPE NCC Membership
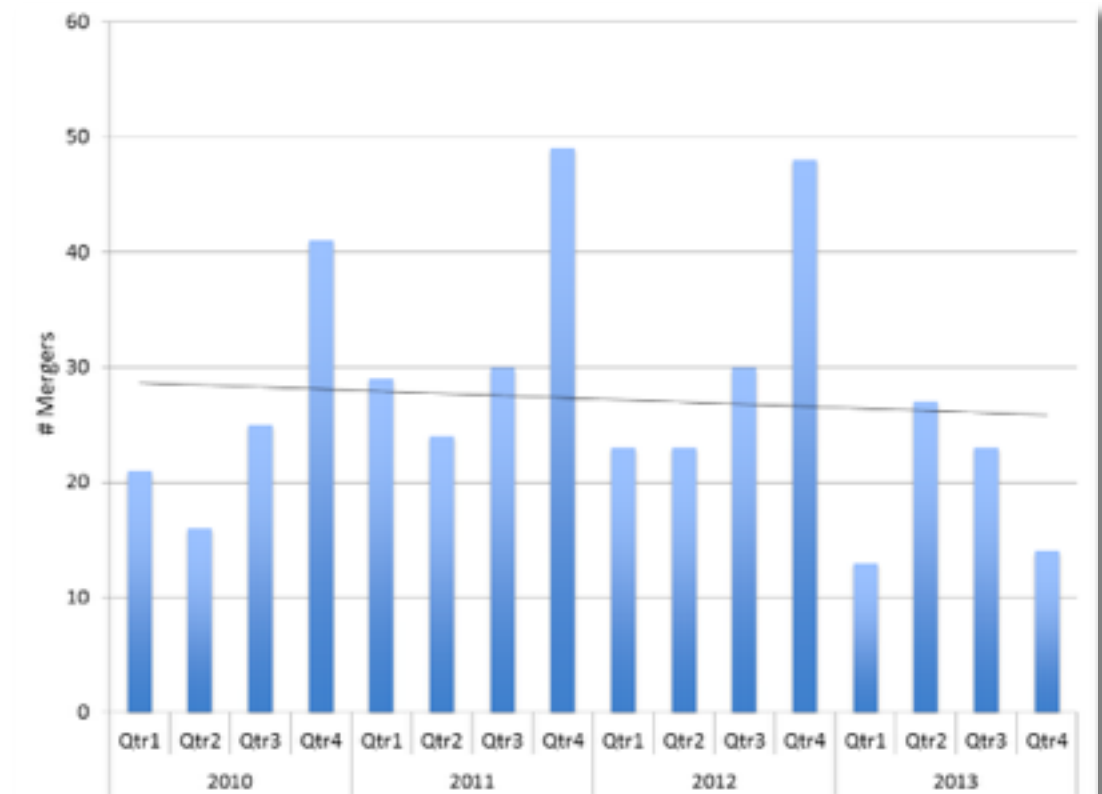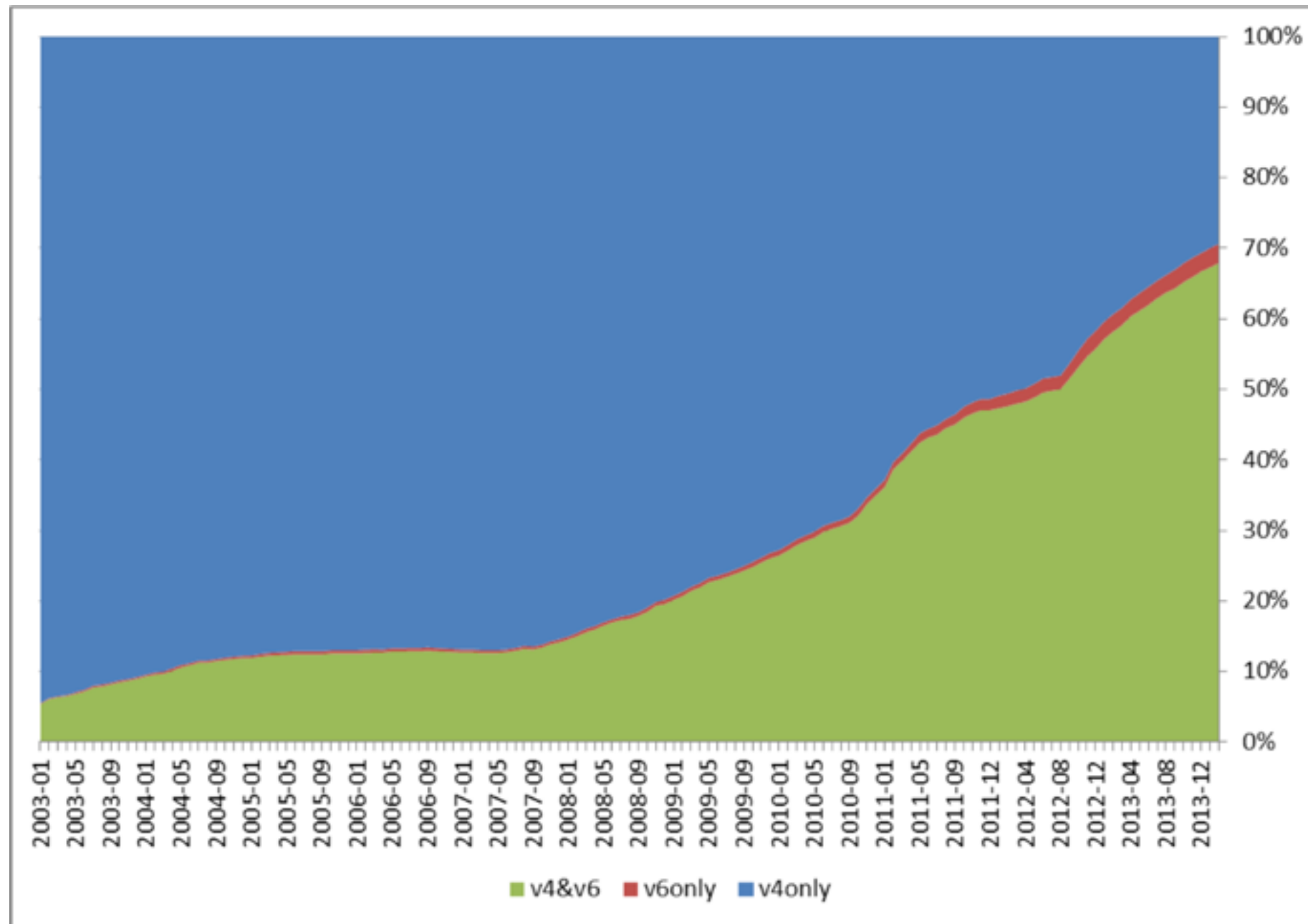
- IPv4 addresses are becoming more valuable

- 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

  - Finding the right balance between due diligence and being overly bureaucratic

Protect Your Resources

- Hijacks often target address blocks with outdated contact details

- Make sure contact persons and company details are up-to-date

    - Check the LIR Portal and update contacts

    - Verify all entries in RIPE Database are correct

    - Process any changes right away

- Certify resources

- Need for current and accurate registry

- Previous audit activities considered "time-consuming and disruptive" by members

  – Provide a more efficient, less time-consuming experience for the member

Registry Consistency	Resource Consistency	Route and rDNS Consistency
Legal Name and Status of LIR	IPv4 Resources	Routing Registry vs BGP Announcements
Postal Address	IPv6 Resources	Lame Reverse Delegations
Telephone and Fax Numbers		
Registry Contacts	Independent Resources	Network Reachability

https://labs.ripe.net/Members/matt_parker/assisted-registry-check-first-results

RIPE NCC

- 2000 Members have requested a certificate (20%)

- Averaging between 2 and 3 new CAs every day

- Members created ROAs covering:

  - 1500 unique ASNs

  - 6400 IPv4 prefixes; more than six /8s of address space

  - 1000 IPv6 prefixes; more than 10,000 /32 blocks

- Functionality progress

  - All address space (PI and Legacy)

  - RPKI software open source standalone package

  - Resiliency improvements

http://certification-stats.ripe.net
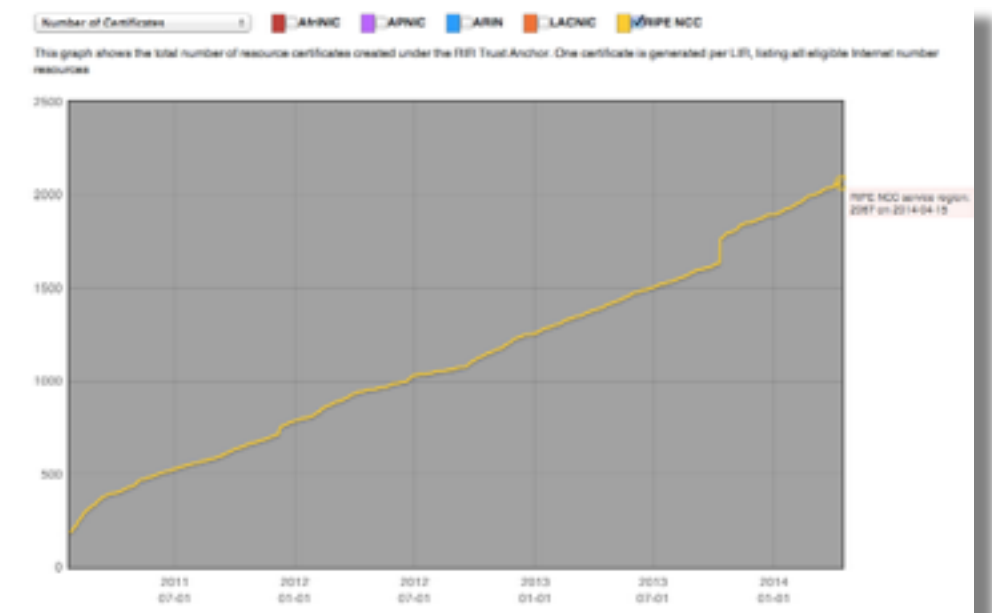
- Main theme: Registry quality & reduce bureaucracy

- 2014-01 "Abandoning the Minimum Allocation Size for IPv4" (for allocation held by LIRs)

- 2014-02 "Allow PI Transfers"

  - Incentivise PI holders to maintain accurate registry data

- 2014-03 "Remove Multihoming Requirement for AS Number Assignments"

- 2014-04 "Relaxing IPv6 Requirement for Receiving Space from the Final /8"

- 2014-05 "Policy for Inter-RIR Transfers of Internet Resources"

- Government Roundtables

- Law Enforcement Agencies

- Main Focus remains the IGF

  - incl Regional Events like EuroDIG, Arab IGF, Russian IGF etc

- NETMundial

- ...

More Operational Improvements

- Conducted Member Survey and defined 50 action items for 2014

- 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 technical hands-on IPv6 training
  - Improving E-learning platform and courses
  - IPv6 Roadshow material rewritten

- Collecting input on website improvements

- RIPE 25 Year Anniversary

- Including "Change of the Guard"
  - RIPE Chairman Rob Blokzijl stepped down
  - Hans Petter Holen took over

- RIPE 69, London, 12 - 16 May

- Including "Change of the Guard"

  - RIPE Chairman Rob Blokzijl to step down

  - Hans Petter Holen will take over