RIPE NCC Update

Marco Schmidt
Policy Development Officer

Growing Membership

Total Number of LIRs

12,430 Members

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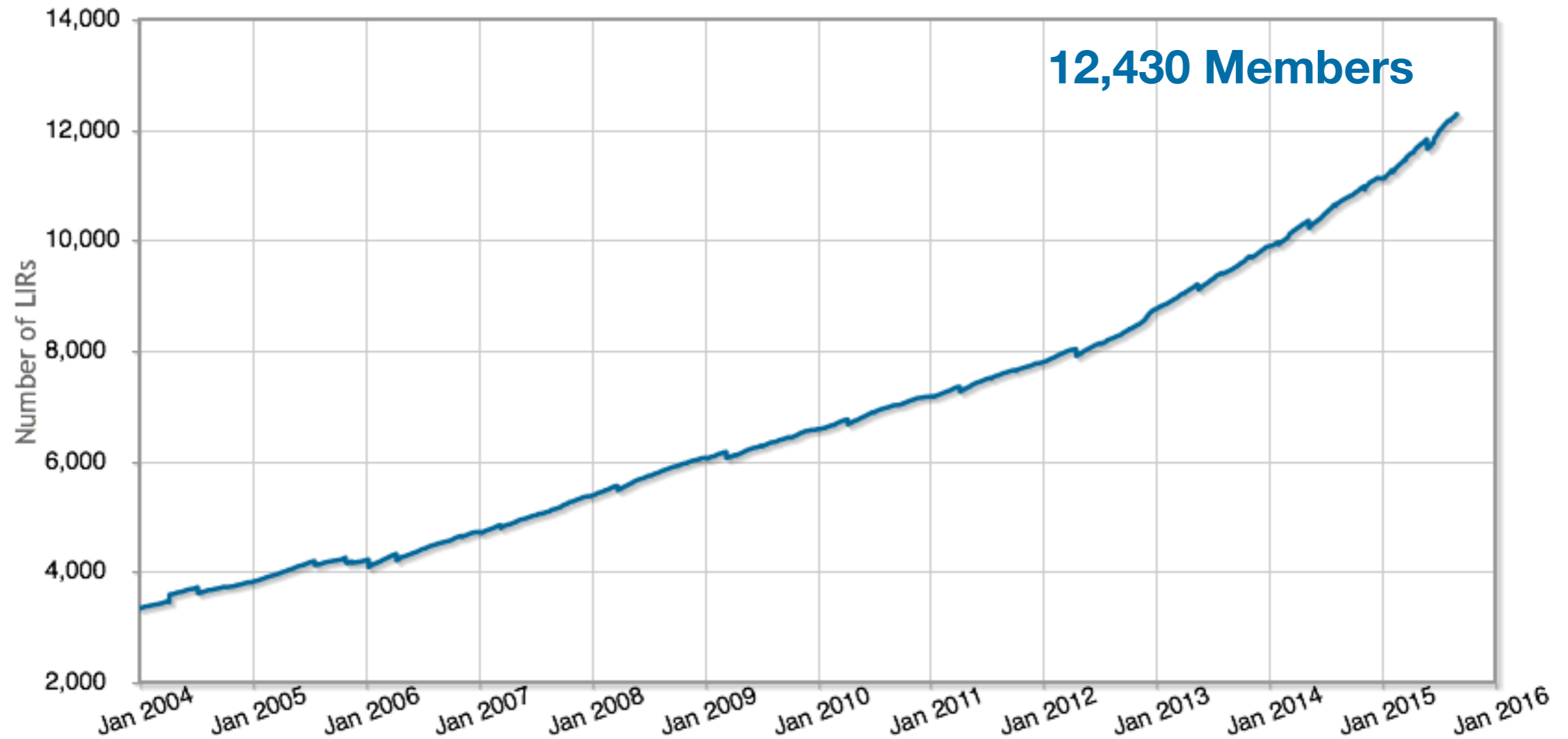
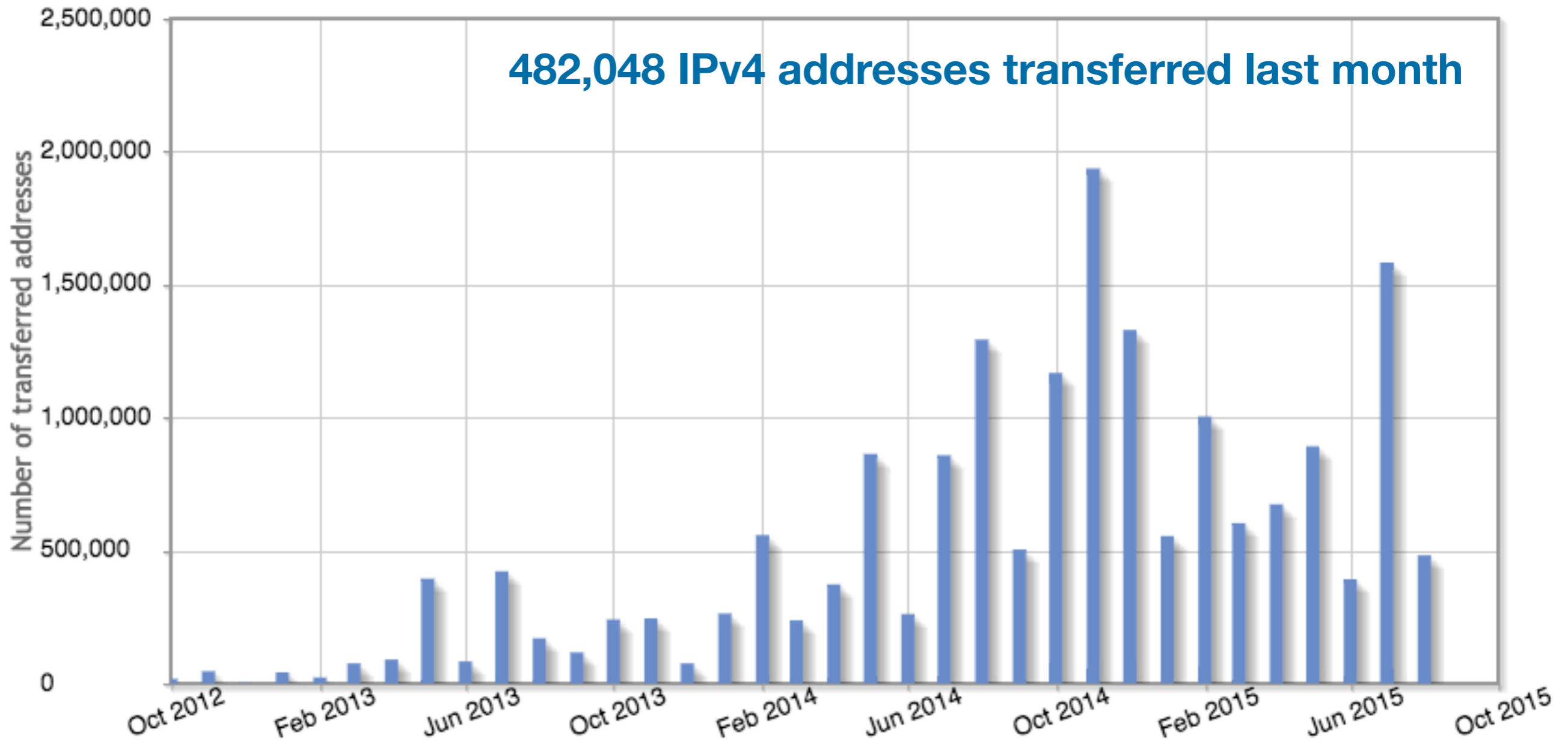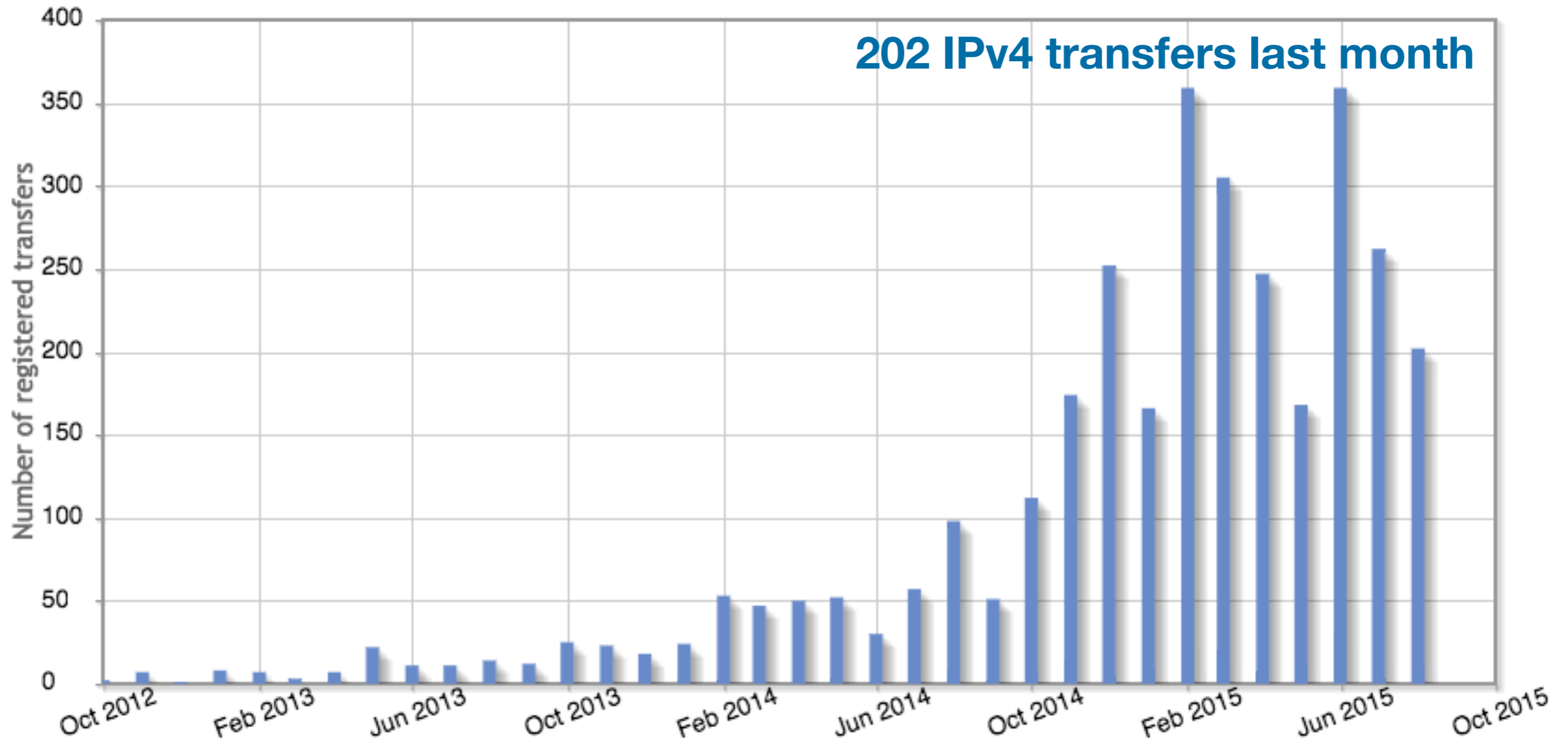RIPE NCC

- **2014-03 "Remove Multihoming Requirements for AS Number Assignments"**

  - Allows networks to request ASNs without being multihomed

- **2015-03 "Assessment Criteria for IPv6 Initial Allocation Size"**

  - Widens the criteria the RIPE NCC looks at for initial IPv6 allocations

- **2015-04 "RIPE Resource Transfer Policies"**

  - Creates a single transfer policy document for all types of Internet number resources

- We still have IPv4 addresses left — we have more than a /8 in the available pool
  - Every member can get 1,024 addresses (/22)
  - Block reserved for Internet Exchange Points
- "Alignment of Transfer Requirements" policy change avoids LIRs being created solely to transfer /22 allocations
- RIPE NCC Executive Board resolution that at least one full year's membership fee must be paid before an LIR can close down

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Resource Transfers

- All Internet number resources can now be transferred within the RIPE NCC service region

- Inter-RIR transfers available from end of September

- Number of IPv4 transfers increasing:
  - 919 transfers in 2014 / 2,167 so far in 2015

- 17 IPv6 / 26 ASN transfers so far
  - Mainly due to members transferring their entire networks

Resource Transfers

482,048 IPv4 addresses transferred last month

Resource Transfers

202 IPv4 transfers last month

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- Over 75% 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

- "Train the Trainer" initiative to equip local talent in the Middle East region to deliver IPv6 training

- Contributing to the IPv6 Best Practices Forum (BPF) for this year's IGF

Networks Announcing IPv6
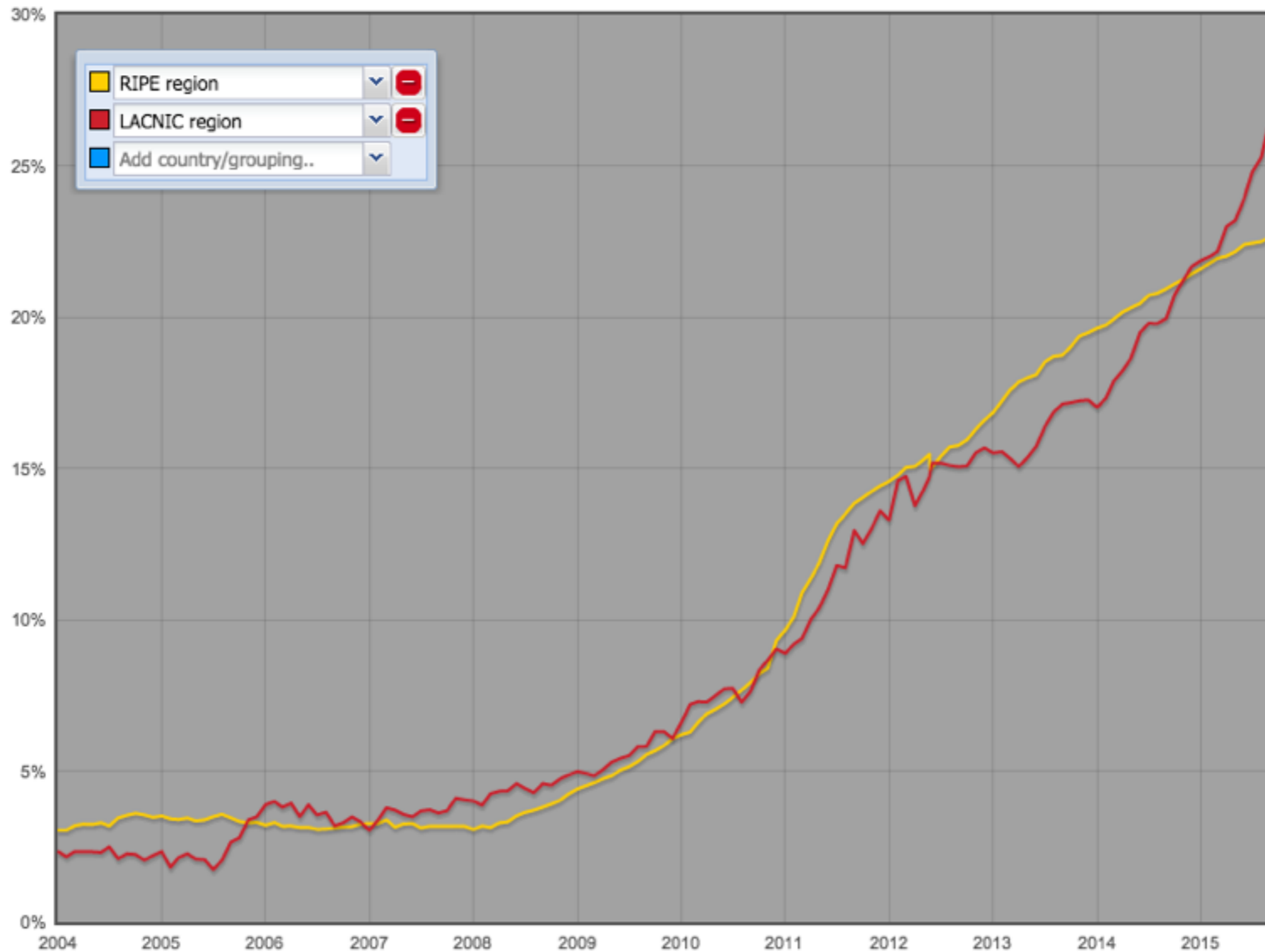
http://v6asns.ripe.net/v/6?s=_RIR_RIPE_NCC;s=_RIR_LACNIC

AS Number Status

- 150 16-bit ASNs in remaining pool

- Still have 2,850 returned 16-bit ASNs, most that are referenced in a number of database objects — will assign from this pool in future

- We have assigned 32-bit ASNs by default since 2009, which has encouraged adoption

16 and 32-bit ASNs in our Service Region

	16-bit	32-bit
Assigned in 2015	615 (39%)	979 (61%)
Total Assigned	22,580 (81%)	5,319 (19%)

- With your help we're building the largest Internet measurement network ever made.

RIPE Atlas

- Currently at 8,568 connected probes and 138 RIPE Atlas anchors; aiming for 10,000 probes

- Being more selective about distribution — only looking for ASes that don't already have a probe

- Happy to have LACNIC's help

    - LACNIC hosting 2 RIPE Atlas anchors

    - Helping to distribute probes in your region

- Find out how others are using RIPE Atlas:

    - https://labs.ripe.net/atlas/user-experiences

RIPE NCC