

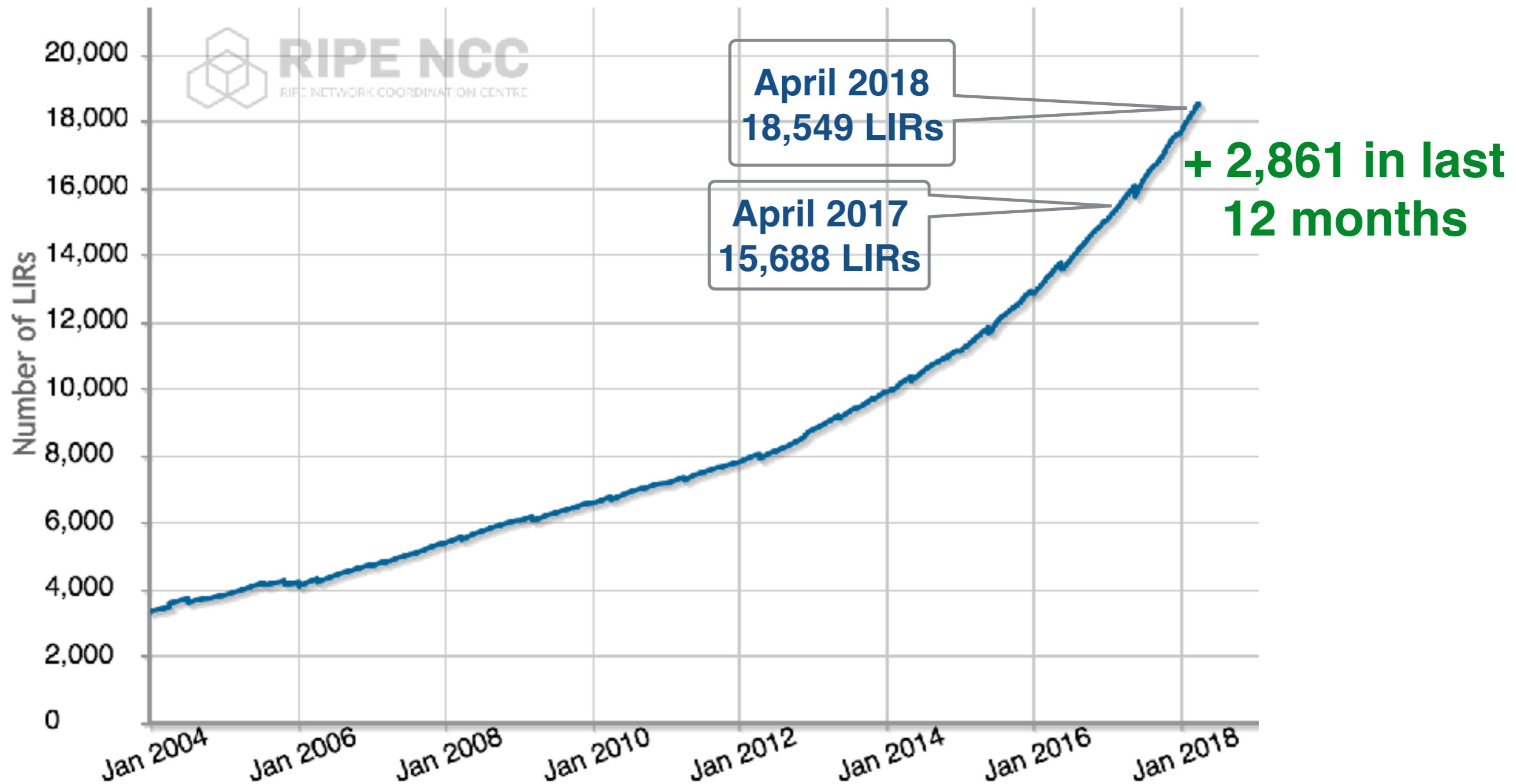


RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update

Axel Pawlik
Managing Director
RIPE NCC

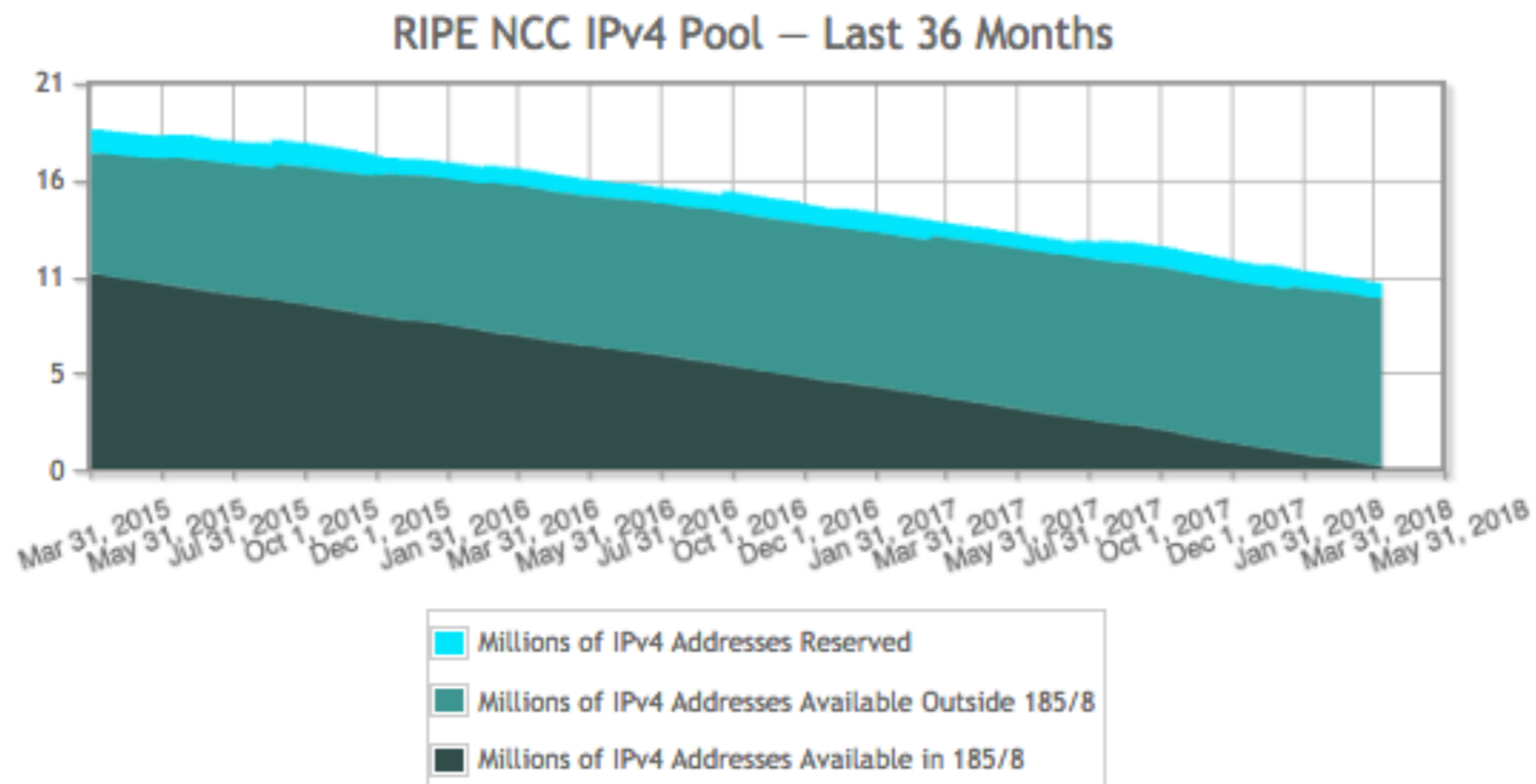
Membership Growth...



...Impacting our IPv4 Pool



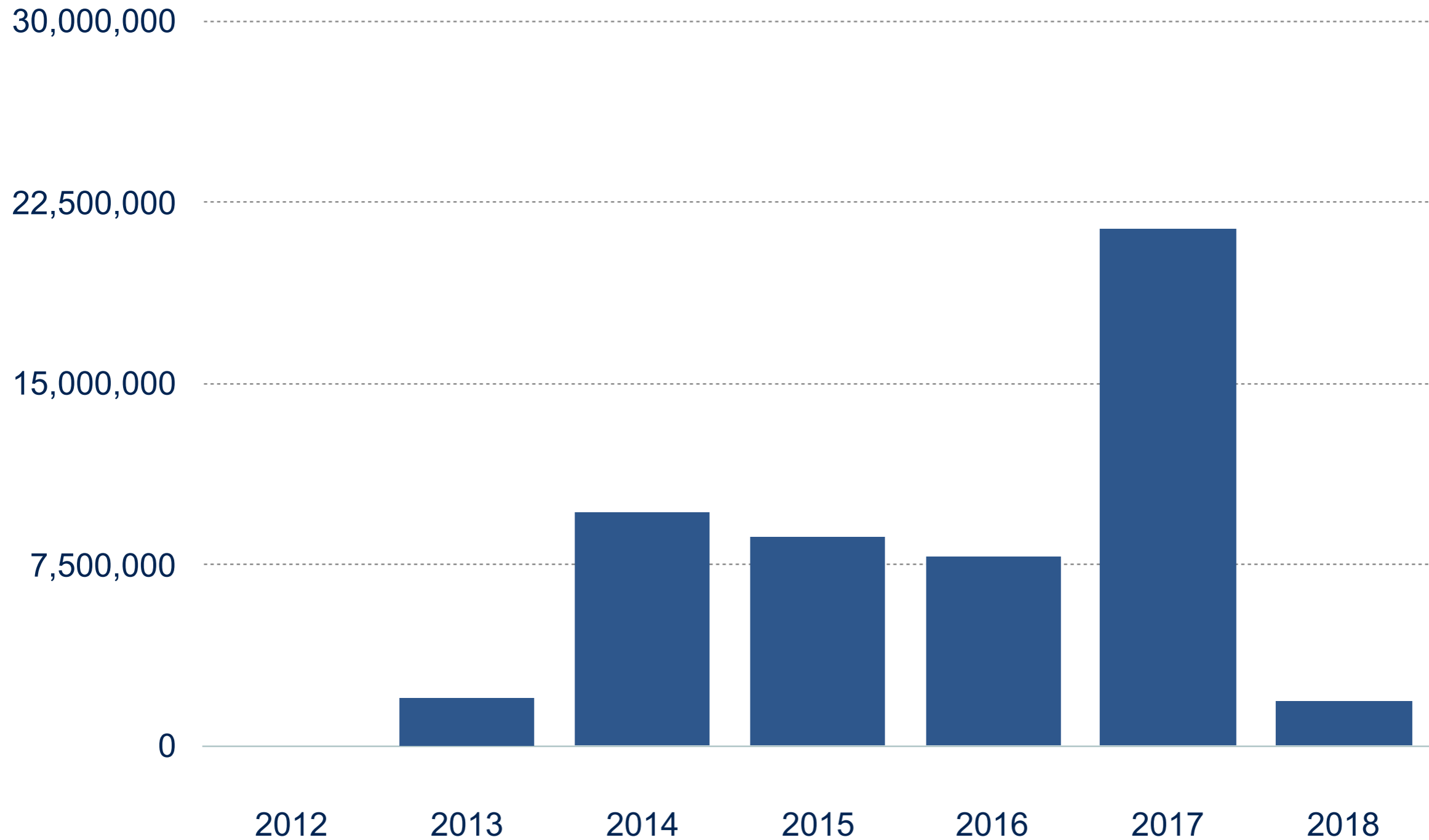
- Membership growth driven by need to obtain IPv4 /22 allocations (1,024 addresses)
- Last /22 from 185/8 recently allocated - at current rate, we expect remaining IPv4 to last two to three years



21 Million Addresses Transferred in 2017



IPv4 Transfers Within the RIPE NCC Service Region

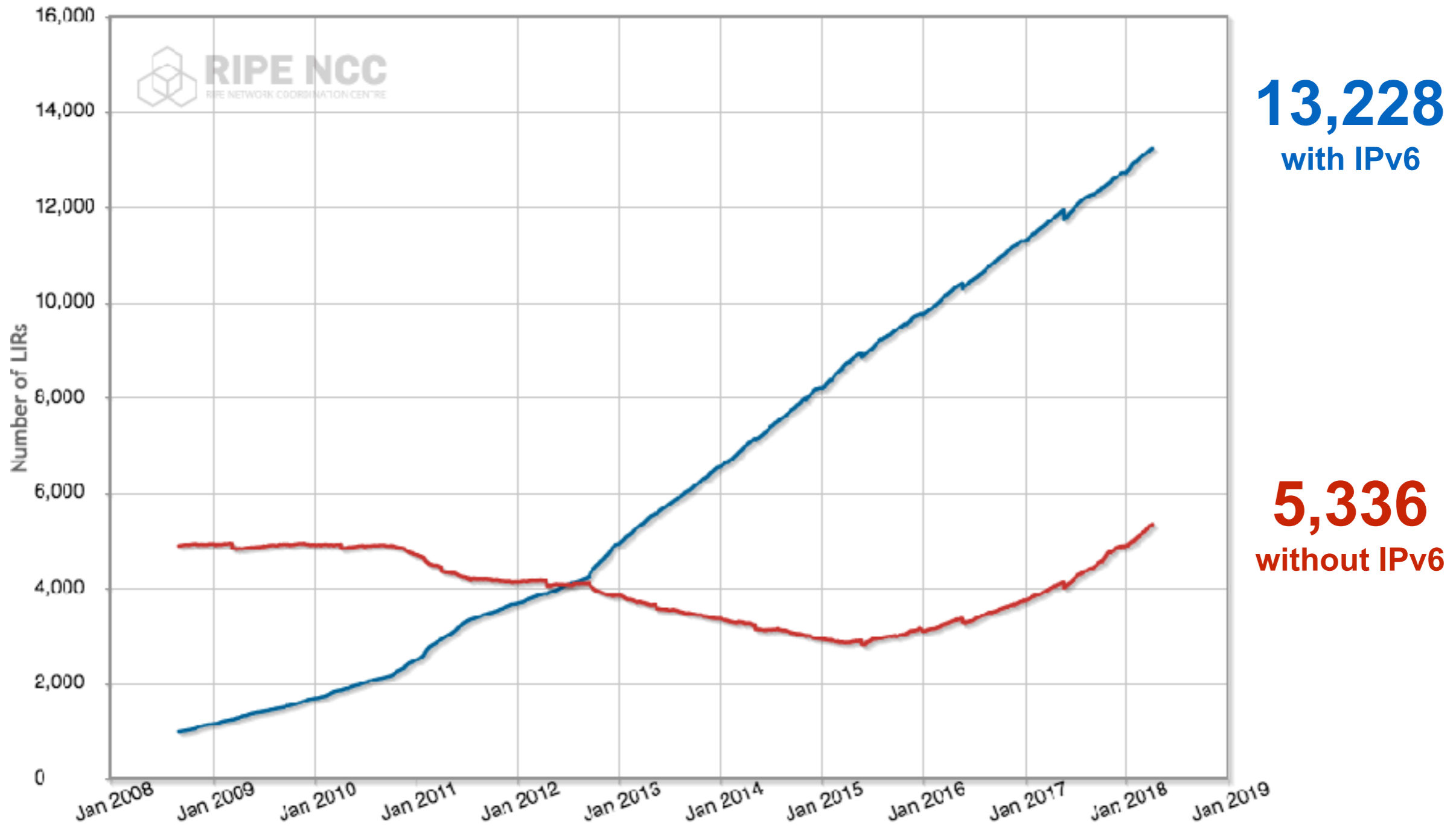


...But was This Really the Market?



- 78% of 21 million addresses were “Administrative Transfers” between related entities
 - Subsidiaries of the same group / business restructuring
- The remaining 4.6 million addresses transferred between unrelated LIRs “on the market” — continuing the downward trend of recent years
- But a higher *number* of transfers overall — so more transfers of smaller blocks
 - Analysis on RIPE Labs: <https://www.ripe.net/s/0EmN>

More LIRs without IPv6...



...But Maybe That's Okay



- Drop began after IPv6 requirement was removed for IPv4 /22 allocations
- Doesn't necessarily point to disinterest among new operators:
 - Enterprises and other organisations are joining to get a last bit of IPv4 — these organisations can rely on their service provider for IPv6
- Entities with multiple LIRs generally won't need IPv6 allocations for each LIR
 - More membership trends on RIPE Labs:
<https://www.ripe.net/s/SUzM>

Capacity Building



- Supporting local communities
 - Upcoming Regional Meetings in Tehran, Moscow, Timisoara
 - Supporting and participating in national Network Operator Groups and IGFs
 - Member Lunches across our service region
 - IPv6 Roadshow program, Train the Trainer, other training courses
 - Country-focused meetings (Kazakhstan in 2018)
 - LEA meetings and Roundtable Meetings for Governments
 - Greater engagement in the Caucasus with a new staff member based in the region

Academic Engagement



- Incorporating our training material into Computer Science and Engineering curriculums
- Visiting universities to explain Internet fundamentals: standardisation, names, numbers, and relevant organisations
- RACI programme providing funding for students and researchers to present their work at RIPE community meetings

RIPE NCC::Educa



- One-day “online event” with a series of webinars focusing on a specific topic
- Webinars conducted by RIPE NCC staff and RIPE community members
- Provides support to our members who can't make it to training courses
- RIPE NCC::Educa in April 2018 on Routing Security
- Next RIPE NCC::Educa in June 2018 will focus on IPv6

Policy Proposals Under Discussion



- **2017-02, “Regular abuse-c Validation”**
 - Gives the RIPE NCC a mandate to regularly check abuse contact information in the RIPE Database and follow up when invalid information is found
- **2018-01, “Organisation-LIR Clarification in IPv6 Policy”**
 - Allows organisations to request IPv6 “per LIR” rather than “per organisation”

Internet of Things (IoT)



- Pace of development introduces significant security, privacy and safety concerns
- RIPE community has formed a new working group to discuss challenges and opportunities around IoT
- Working group will be a focal point for the community to develop positions on IoT matters

<https://www.ripe.net/participate/ripe/wg/iot>

Getting Ready for GDPR



- The EU General Data Protection Regulation (GDPR) comes into force in May this year
- Conducting internal review to ensure we are fully compliant
- Existing RIPE Database operations appear to be consistent with the legislation — we don't expect any impact
 - More details on RIPE Labs:
<https://www.ripe.net/s/BWqJ>

Join us in Marseille



RIPE 76
Marseille, France
14 - 18 May 2018

**RIPE Meetings:
connecting the Internet
community**

ripe76.ripe.net



Questions



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