RIPE NCC Update

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Membership Growth…

April 2018
18,549 LIRs

April 2017
15,688 LIRs

+ 2,861 in last
12 months
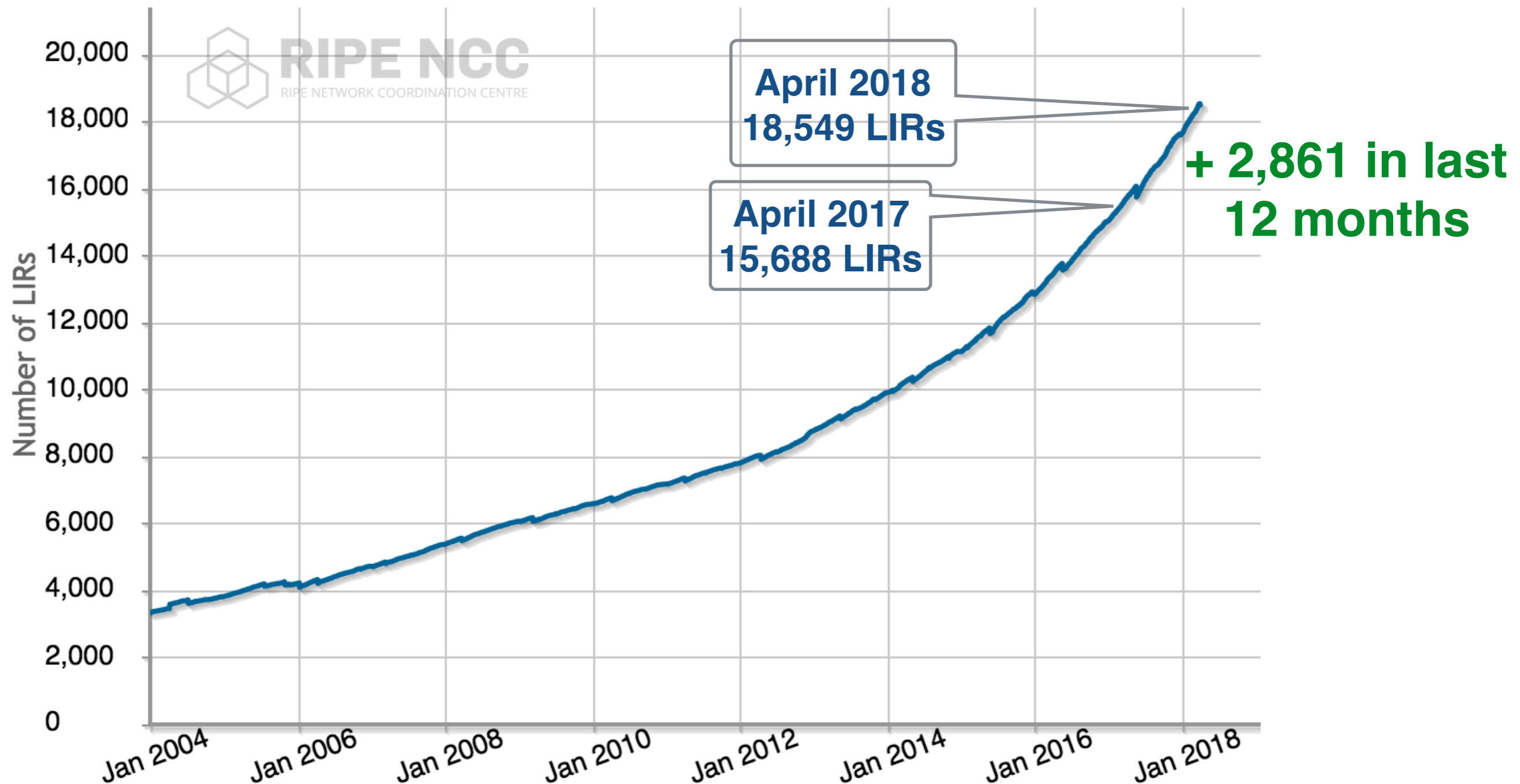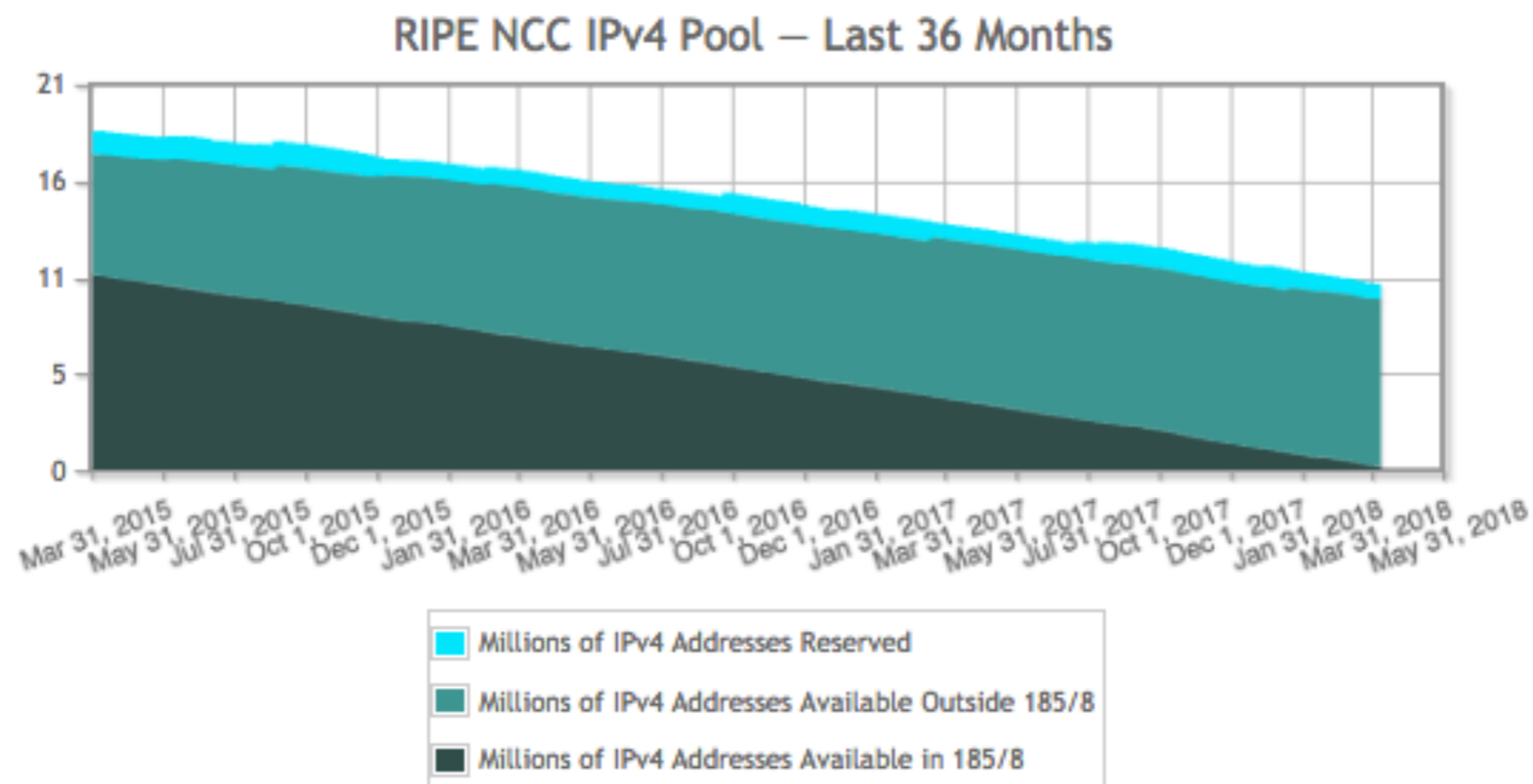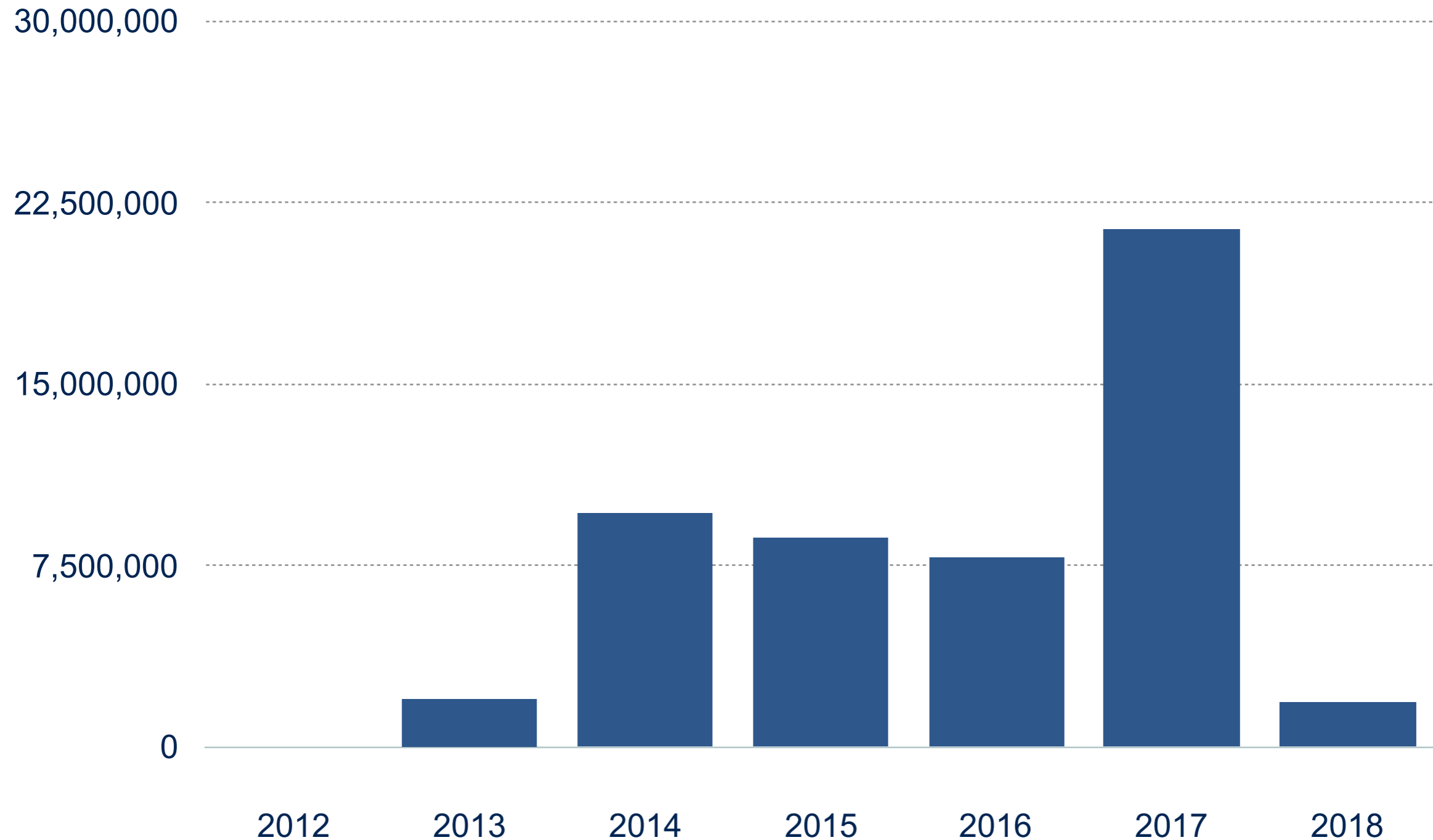
…Impacting our IPv4 Pool

- Membership growth driven by need to obtain IPv4 /22 allocations (1,024 addresses)

- Last /22 from 185/8 recently allocated - we expect remaining IPv4 to last two more years at current rate

RIPE NCC IPv4 Pool — Last 36 Months

Legend:
- Millions of IPv4 Addresses Reserved
- Millions of IPv4 Addresses Available Outside 185/8
- Millions of IPv4 Addresses Available in 185/8

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…

13,228 with IPv6

5,336 without IPv6
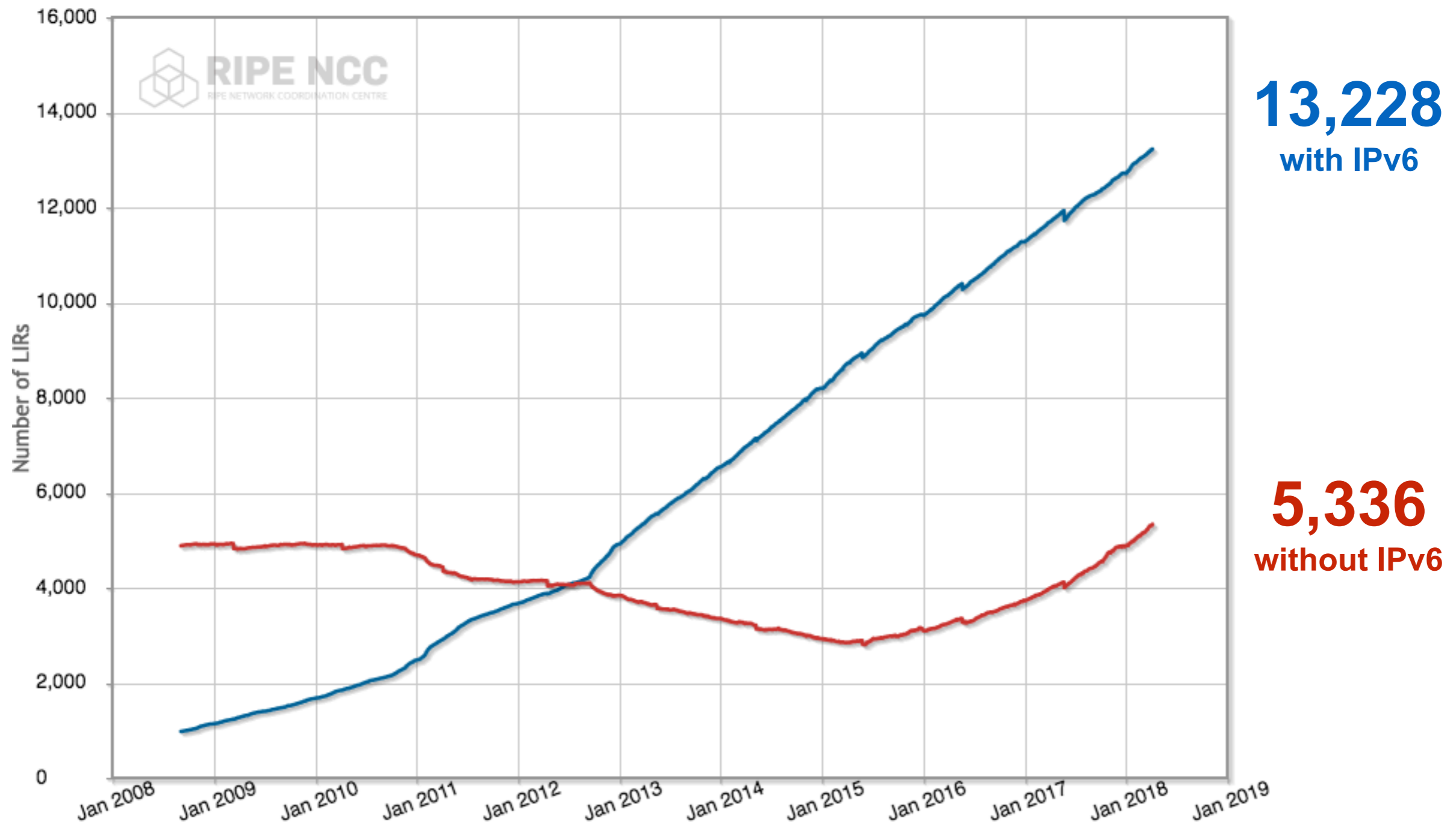
…But Maybe That's Okay

- 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

Over 25 NOGs in Our Service Region

New NOGs:

ALNOF
NONOG
PTNOG
GRNOG
RONOG
iNOG

Supporting our Community

- Offering help to local/national NOGs:

  - Speakers for their events (RIPE NCC staff or others)

  - Sponsorship (venue, catering, social events)

  - Expertise (from supporting RIPE for almost 30 years)

- While supporting three regional NOGs in a big way:

  - MENOG (Middle East)

  - ENOG (Russian Federation, Commonwealth of Independent States and Eastern Europe)

  - SEE (South East Europe)

New NOGs Section on RIPE Labs

- Platform for local NOGs to share updates, experiences and ideas

  - https://labs.ripe.net/nogs

- Map with all (known) NOGs in the world and links to more info

- We surveyed NOGs in our service region about how they were structured and their approach:

  - https://labs.ripe.net/Members/fergalc/nogs-in-the-ripe-ncc-service-region

Our Goals

- Connect NOG participants with the RIPE community (and vice versa)

  - Full plenary session on NOGs at RIPE 76, along with a meeting for NOG organisers to share experiences

- Support local and regional relationships

- Engage more effectively across our service region

- NOGs have a crucial role to play in the Internet's development - we support that!

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"

- **2018-02, "Assignment Clarification in IPv6 Policy"**

  - Clarifies the definition of "assign" in the IPv6 policy

Policy Proposals Under Discussion

- **2018-03, "Fixing Outdated Information in the IPv4 Policy"**

  - Aims to fix outdated information in the RIPE IPv4 Policies

- **2018-04, "PDP Clarification"**

  - Aims to clarify the options available to the WG chairs at the end of the Review Phase of the RIPE Policy Development Process

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

Out of Region Objects

- The RIPE Routing Registry will soon no longer support the creation of out of region **route(6)** objects

- Existing non-RIPE-managed **route(6)** objects will moved under the source: "RIPE-NONAUTH"

- These objects may eventually be deleted after further discussion by the Database WG

- We will be working to make sure everyone's aware of the upcoming change

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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