



**RIPE NCC**  
RIPE NETWORK COORDINATION CENTRE

# RIPE NCC Update

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# RIPE NCC Update



- Annual Report 2015
- Membership composition
- Our focus in 2016
- Ensuring due diligence
- Executive Board elections
- RPKI Validator 3.0

# From the Annual Report 2015



- **Operational Highlights (end of 2015):**
  - 1,715 additional members in 2015
  - ~2,400 meeting attendees
  - 111 training courses for 2,031 attendees
  - 3,257 /22 IPv4 allocations / 1,937 IPv6 allocations
  - 25% of our members have their resources certified with RPKI
  - Over 9,200 active RIPE Atlas probes
  - 4.1 million RIPEstat unique visitors (up from 2.6 million in 2014)
  - More than 32,000 customer service requests

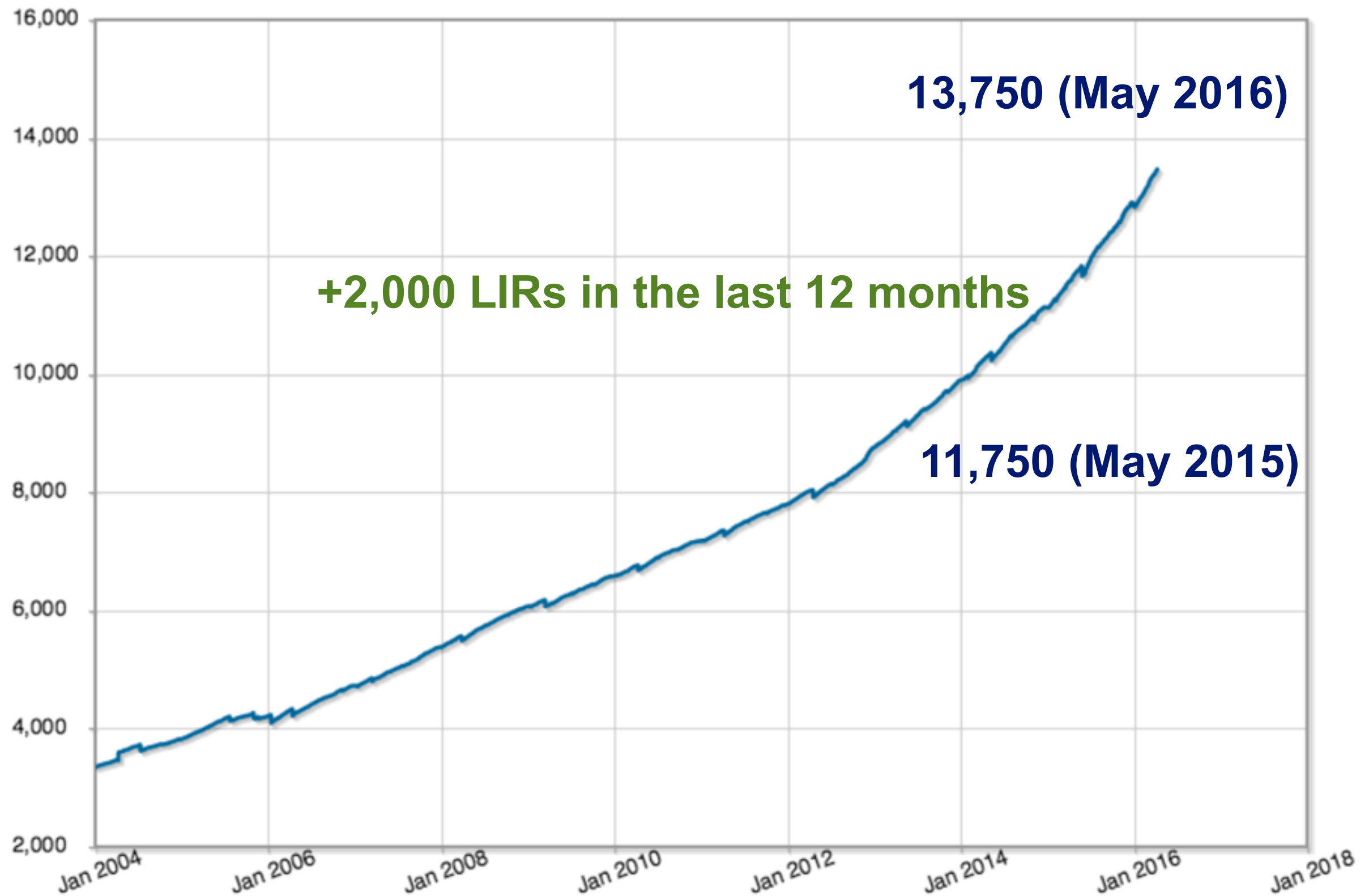
# From the Annual Report 2015



- **Financial Overview:**

- Result - deficit kEUR 262
- Deficit caused by redistribution of EUR 5.33 million to members
- Reserves are EUR 25 million (114% of total expenses)
- Operational expenses were 1% lower than budgeted
- Staff numbers were at 133 FTE (three FTE below budget)
- Cost per member further decreased (10% lower than 2014)
- <https://www.ripe.net/publications/docs/ripe-665>

# Membership Growth



# Understanding our Membership



- A changing RIPE NCC membership reflects a change in the overall Internet environment
  - Analysis reveals that close to half of our current membership base are no longer classic ISPs/Telcos
- We need to better understand these categories and the associated growth trends
- Does our current service portfolio cater to the needs of an evolving membership?
  - We plan to take a closer and more granular look at this

# Membership/Community Engagement

- Supporting NOGs at the national level
- Member Lunches throughout our service region
- Adapting and tailoring our training services
- Consolidating all of our feedback channels to better process the information we receive
- This information is being prioritised, implemented and reported
- This lets us all decide on the focus of the RIPE NCC in an open and transparent manner

# Focus in 2016



- Maintaining a strong registry
- Enhancing RIR accountability ahead of the IANA stewardship transition
- Safeguarding the continued stability of the RIR system
- Conducting effective outreach in all parts of our service region
- Providing enhanced statistics and analysis





# Further Focus in 2016

- RIPE NCC Survey 2016
- RIPE Atlas
  - We currently have ~9,400 connected probes
  - Over 190 Atlas Anchors
- Expanding K-root
  - 39 K-root nodes in over 25 countries
- Moving to our new office in Amsterdam

# Performing Due Diligence



- We are trying to strike a balance between due diligence and keeping our processes simple
- Fraud is on the increase
- Extra time is required to deal with these cases
- Falsified data and documentation
  - Resource hijacking
  - Membership applications
  - Transfer requests
- Help us to keep your contacts up to date!

# ARC: Some Numbers



*“One of the RIPE NCC’s key responsibilities is to maintain the accuracy and quality of the RIPE Registry”*

**2,600+ ARCs completed so far**

94% of ARCs resulted in LIR data update!

Tools & Services Discussed	LIRs Helped
LIR Portal / IP Analyser	834
RIPEstat	1122
RIPE ATLAS	303
IPv6 RIPEness	385
Training Courses	1826

Action Taken	LIRs Helped
LIR Portal Admin Privileges	611
LIR Contact Details	1292
Billing Issues	186
LIR Resource Registration	1342
PI Resource Registration	182
Maintainer Password Recovery	221
Routing Consistency	567
rDNS Consistency	681

Questions Answered	LIRs Helped
RIPE / RIPE NCC / PDP	237
IPv4 Policy	1609
IPv6 Policy	1327
Transfers	413

# More Services Updates at RIPE 72



- RIPE NCC service updates throughout the week with more detail (recorded and archived)
- Still to come...
  - **RPKI Validator** (Routing WG) Thursday, 09:00
  - **LEA Interactions** (Anti-Abuse WG) - Thursday, 11:00
  - **RIPE DB Operational Update** (DB WG) - Thursday, 14:00
  - **RIPE DB UI Improvements** (DB WG) - Thursday, 14:00
  - **LIR Portal Object Editors** (DB WG) - Thursday, 14:00
  - **Revamped NRO Session** (NRO Session) - Friday, 09:00

# Your Vote Counts



- The RIPE NCC has an Executive Board of seven individuals that have been elected by the General Meeting
- Two board seats are available today
- There are four candidates for the two seats
- Your elected board will guide the RIPE NCC moving forward
- **Your direction is essential - please vote!**

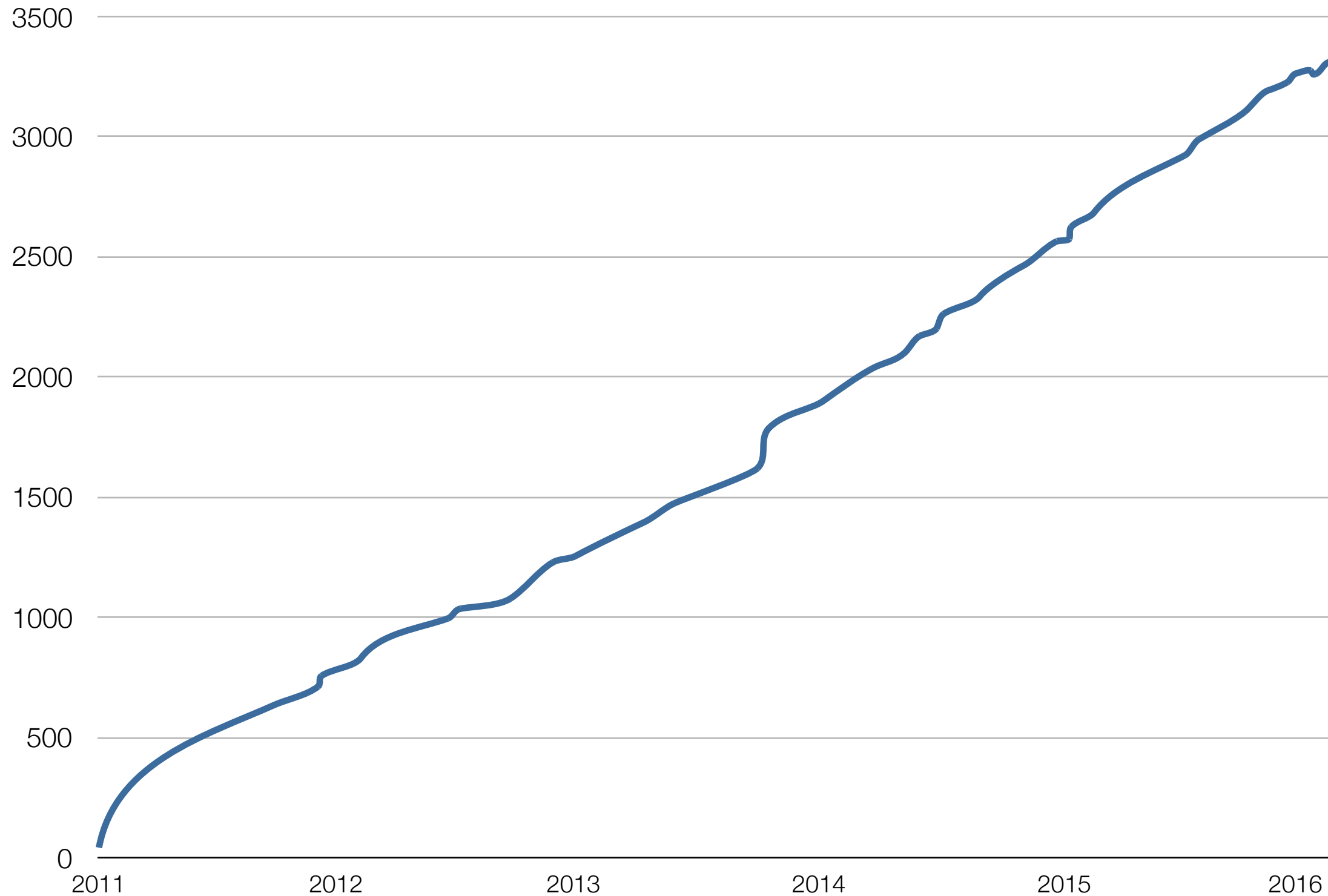


# **RPKI Validator v3?**

# RPKI in our Service Region



Over 25% of LIRs have requested an RPKI certificate



# RPKI Validator



- Current version does not match user demand
  - Scalability and functionality improvements are requested
- Proposed solution: Enhance RPKI Validator at a faster pace
  - Modern, stable routing workflow toolset
  - Secure, modular design
  - Integrate IRR functionality
- Does the community support this additional effort? Tell us!





# Questions



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