AFRINIC Updates

Willy Manga
Deployment Operationalisation Engineer

AFRINIC Service Region

5th RIR

56 economies

In Africa and Indian Ocean

43 Staff

2

AFRINIC status

No quorate Board

No CEO

24 Ongoing Legal cases

Appointment of Official Receiver terminated by Court Order on 12 February 2025. New Receiver appointed.

The receiver has announced The AFRINIC Board election Will be conducted on 23 June 2025 following an extension granted by the Court.

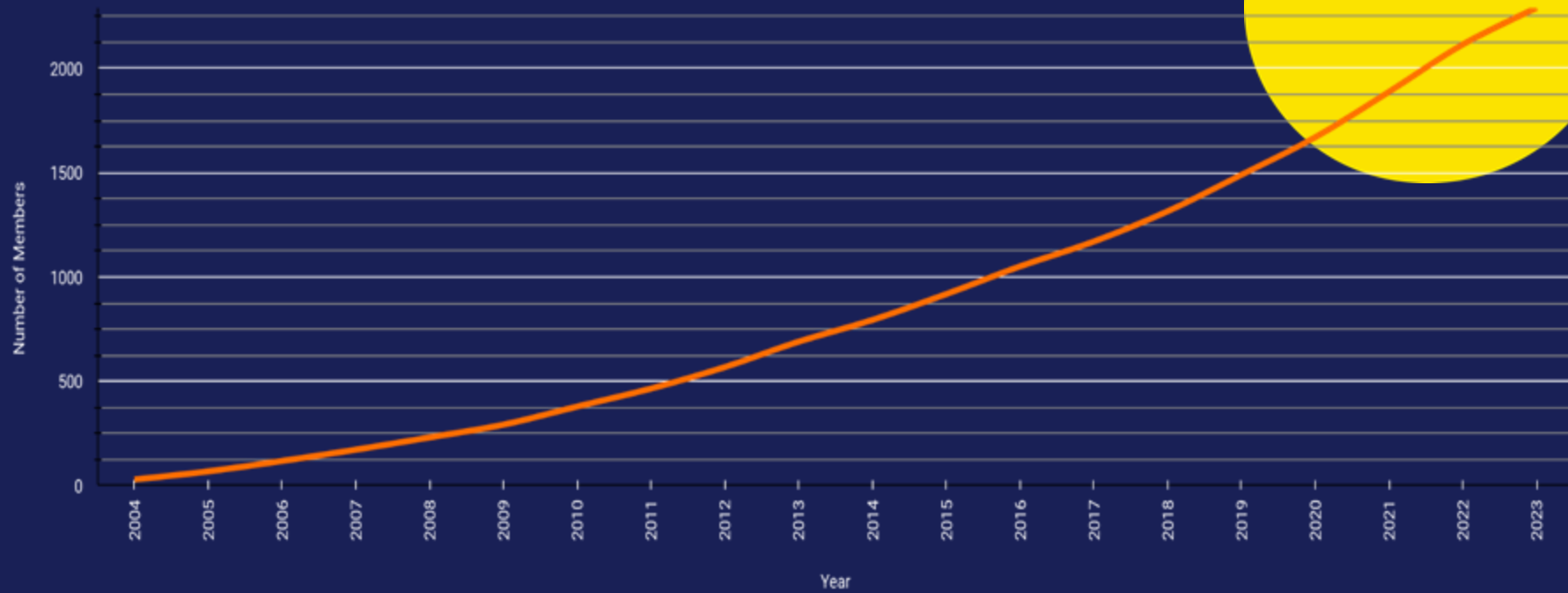# How we capture and bring value to our members

Services to the Members

Strengthening Services

Building the Internet Community

4

Growth in 2024

132 new resource members in 2024

2024
2,348

Membership growth over the years

Serving Members | 2024

216,064

IPv4 Addresses distributed

★★★★☆

142

ASNs assigned

119

Prefixes

IPv6

45,246

Support tickets handled.

88.6%

within SLC of 48 hours

7

Service Adoption

2024

720

Members using RPKI

11,216

Total number of ROAs

1,767

Members using our IRR (75.5%)

0.06% of /8 IPv4 Addresses left

IPV4

SOFT
LANDING

We reached
Soft Landing
Phase 2 on 13
January 2020

2024

Minimum IPv4
Allocation or
Assignment is a

/24

Maximum IPv4
Allocation or
Assignment is a

/22

Available

1,046,784

IPv4
addresses left
in our pool

2024

CAPACITY
BUILDING
ACHIEVEMENTS

Online courses

7,234

Course completions on afrinic.academy

85

Countries

8

Courses in English.

7

Courses in French.

1,112

training in our English and French courses attended by 1920 engineers

50

Median NPS

afrinic.academy

Certifications

71
Test takers

41
Countries

75.3
Net Promoter Score

certi6.io

Deployment Operationalisation program

40

Network operators

From
38

countries

61

Deployment
KPI

afrinic.academy/deploy

AFRINIC Policy Development Process

3

Policies awaiting ratification by the Board

RPKI AS0 Policy proposal

Currently being implemented.

Final stage of IPv6 policy Implementation

969 subscribers

RPD Mailing List

AFRINIC WEBINAR SERIES

10

Webinars concluded in 2024

1051

Attendees

67.7

Median NPS

bit.ly/AFRINIC_Webinars

AFRINIC Blog stats

2024

12

Blog articles published, **8** from external authors

Engagement Activities

18
Government and Policy Engagements on Digital Transformation

+300
Individuals reached out through AFRINIC Internet Development Programs

1
Contribution to the 20-years review of WISIS+20

5
Cooperations on Internet development projects in Africa

42
New members orgs inducted on AFRINIC services and governance

NPS 50+
Positive reception and instrumental AFRINIC's contributions towards internet development.

876
Members with contacts infos updated. (Project ongoing)

Strengthening Services

Ongoing activities

Improvements on critical services in 2024

99.99%
Average Services Availability

Critical services redundancy program

RDAP, **10x faster**

Customer satisfaction

Survey SLC

Moving more services to the CLOUD

Datacenter modernization

Optimizations
Redesign
Better use of existing resources

Database management and optimizations

Data encryption in transit and at rest for critical DBs

More DB restoration exercises

Bring WHOIS & RDAP on 2 IXPs

Increase continental connectivity and critical services availability

Automation and monitoring

Automation of recurrent tasks
Automated SSL certificates renewal

AFRINIC Ltd | 11th Floor Standard Chartered Tower
19 Cybercity, Ebene | Mauritius
www.afrinic.net

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February 2025
Copyright 2025

APNIC update

ARIN 55

Vivek Nigam – Regional Manager,
Member and Registry Services

2024 at a Glance

IPv6 growth _R1.1_

Members with IPv6 addresses
66.96%

Asia Pacific IPv6 capability
48.5%

Training _D1_

Instructor-led training
169 courses

4,754 participants

2024

Information products _R2.3_

528 for a total of **977** alerts

DASH alerts subscribers

Conferences _E4.1_

920 participants
855 in-person; 65 remote

APRICOT 2024
APNIC 57

4,695 YouTube views
799.17 YouTube hours viewed

58 APNIC 58

423 participants
349 in-person; 74 remote

2,348 YouTube views
296.2 YouTube hours viewed

Available resources _R1.1_

0.5% IPv4 | **93.5%** IPv6 | **4.8%** ASNs

Academy _D1.2_

4,734 course completions

13,398 contact hours

23,305 labs launched

9,899 new accounts

Blog _E2.1_

103,438 Views per month

16,346 Impactful plays over **25** podcasts

Resource Delegations – IPv6

by end of December 2024

Legend:
- Out of region
- South Asia
- South East Asia
- Oceania
- East Asia

Address Space Delegated – IPv6

by end of December 2024

Resource Delegations – IPv4

by end of December 2024

Legend:
- Out of region
- South Asia
- South East Asia
- Oceania
- East Asia

Resource Delegations - ASN

by end of December 2024

Legend: Out of region, South Asia, South East Asia, Oceania, East Asia

Transfers

Last 10 years APNIC IPv4 transfers by end of December 2024
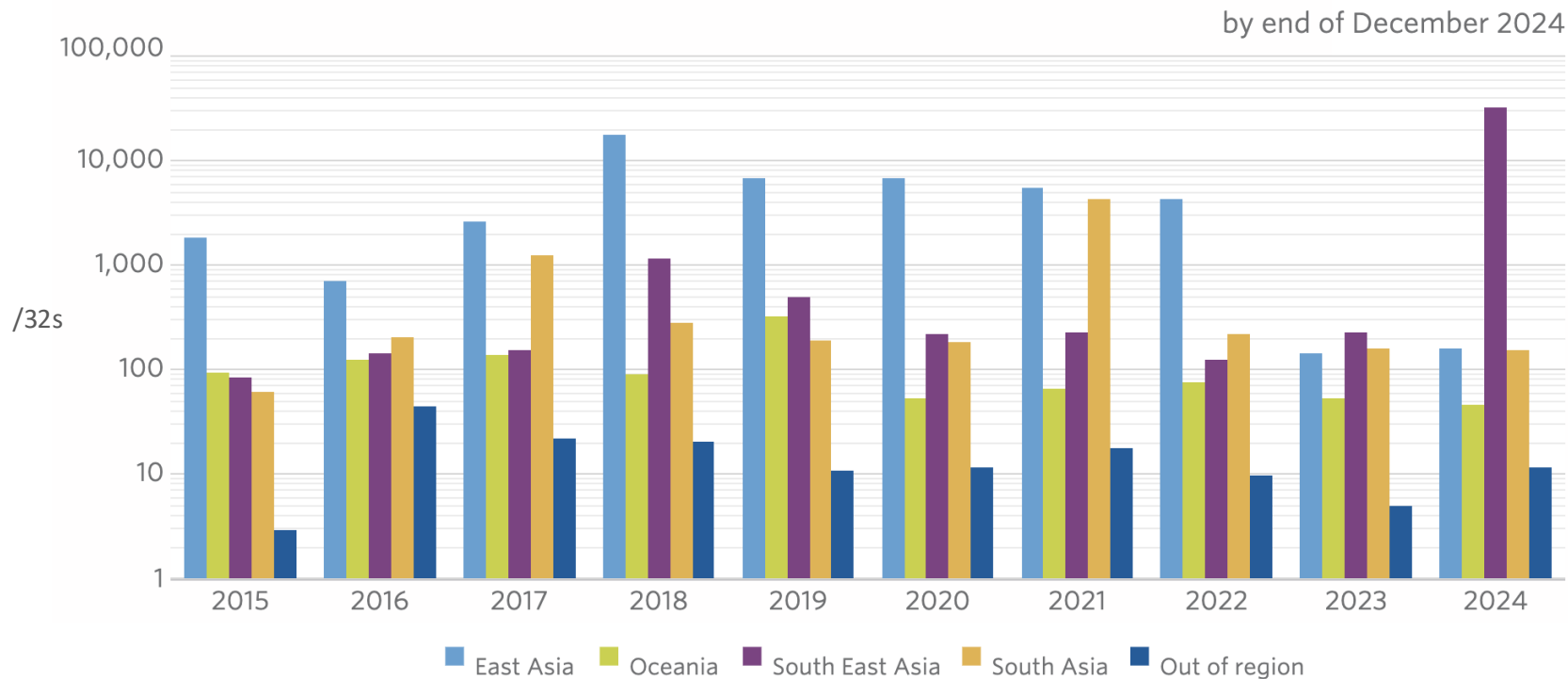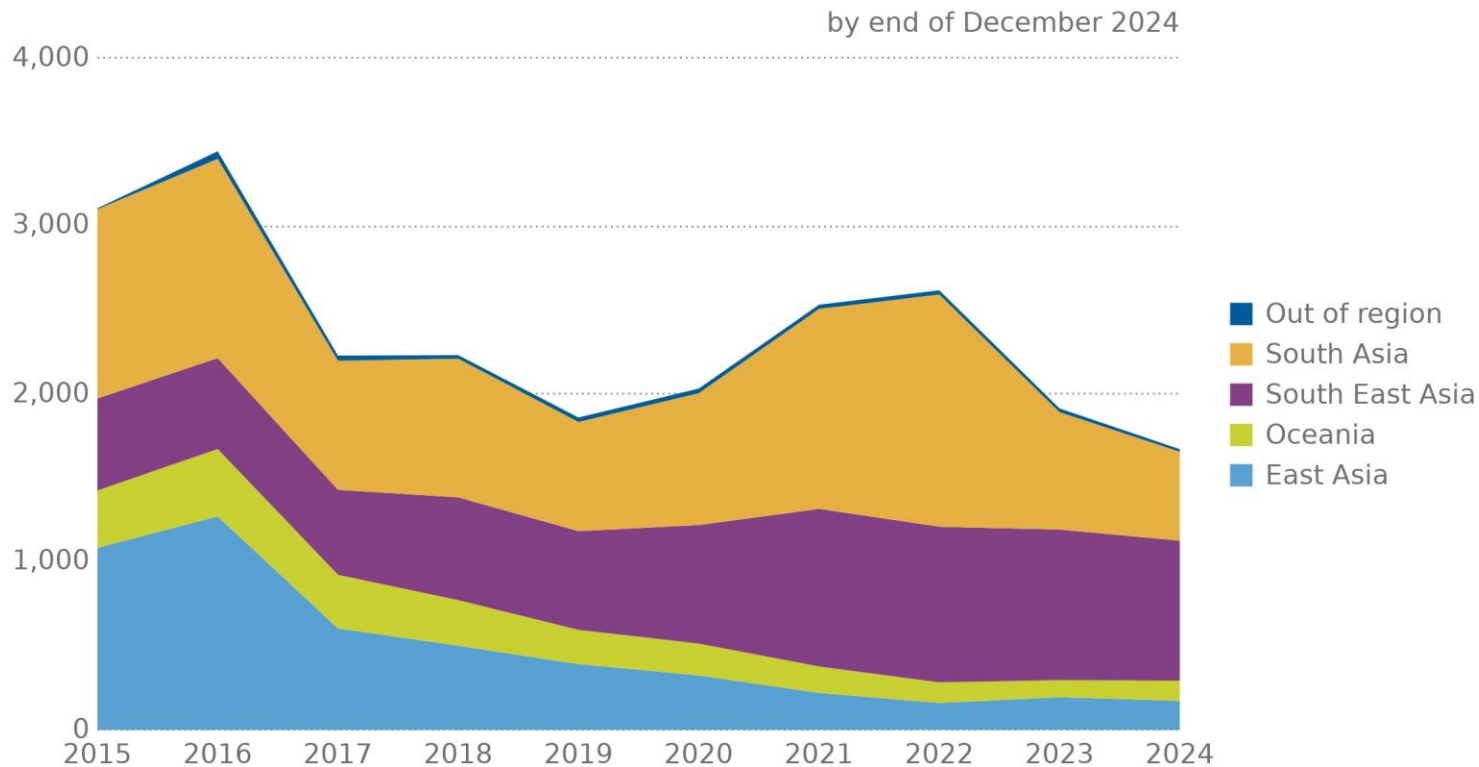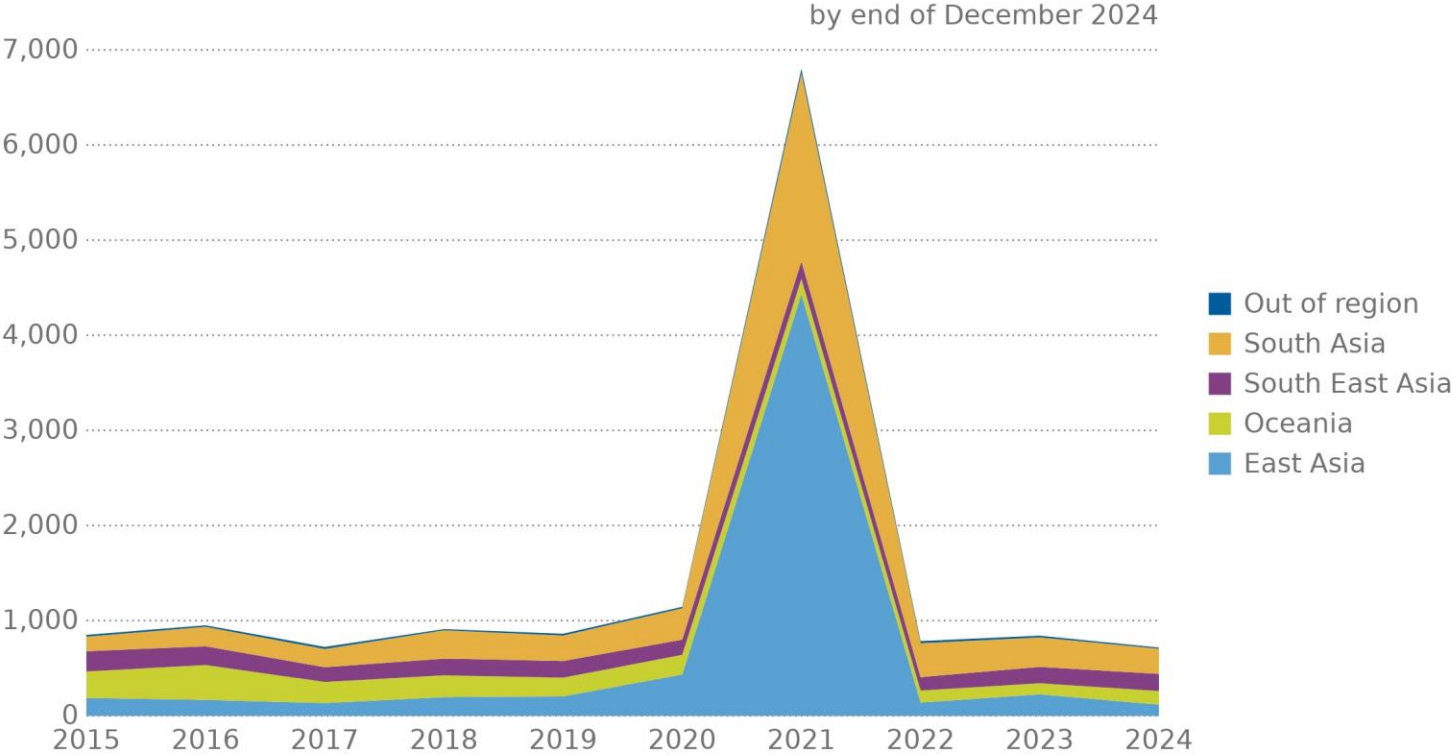
Legend:
- Intra APNIC Transfers
- Inter-RIR Transfers
- M&A Transfers
- Historical Transfers
- Transfer count
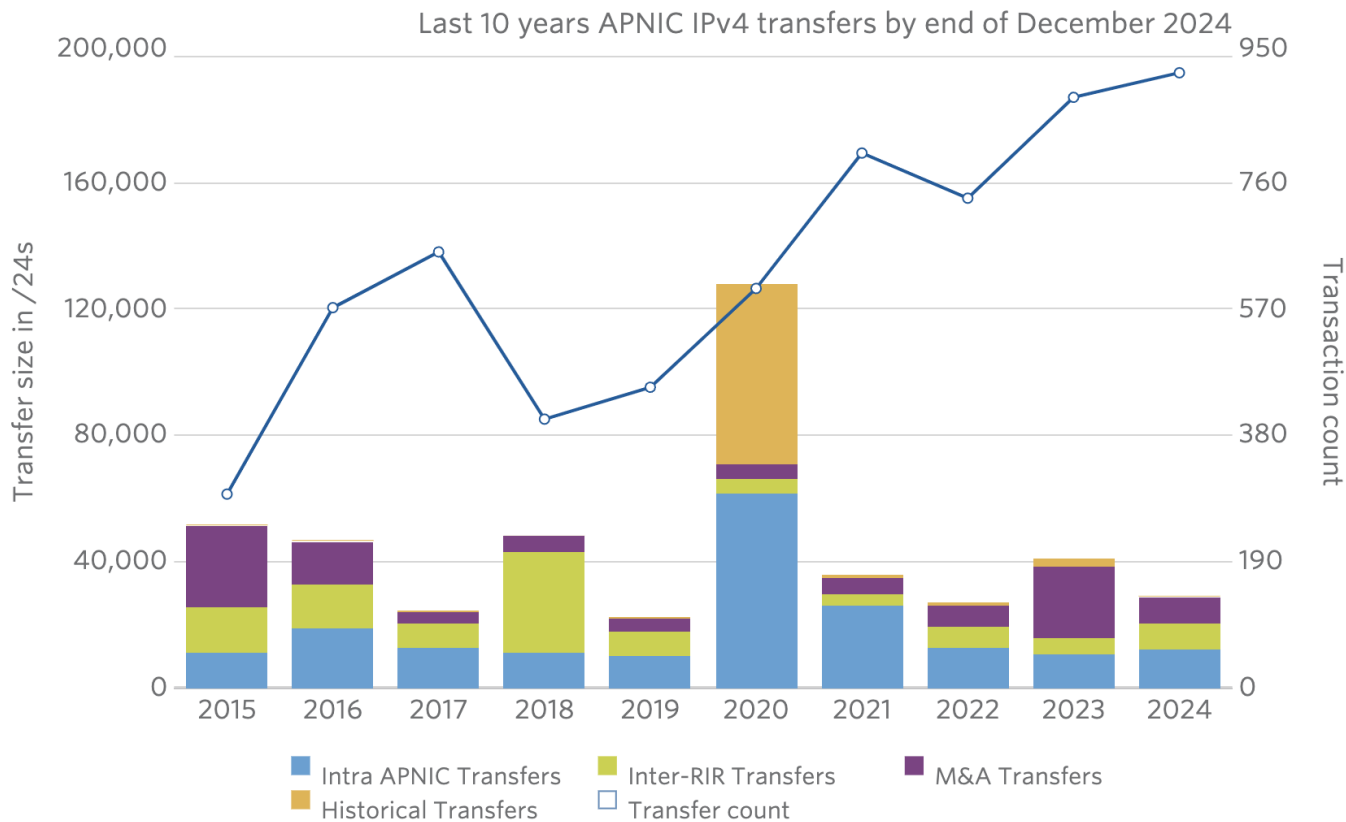
Inter-RIR transfers
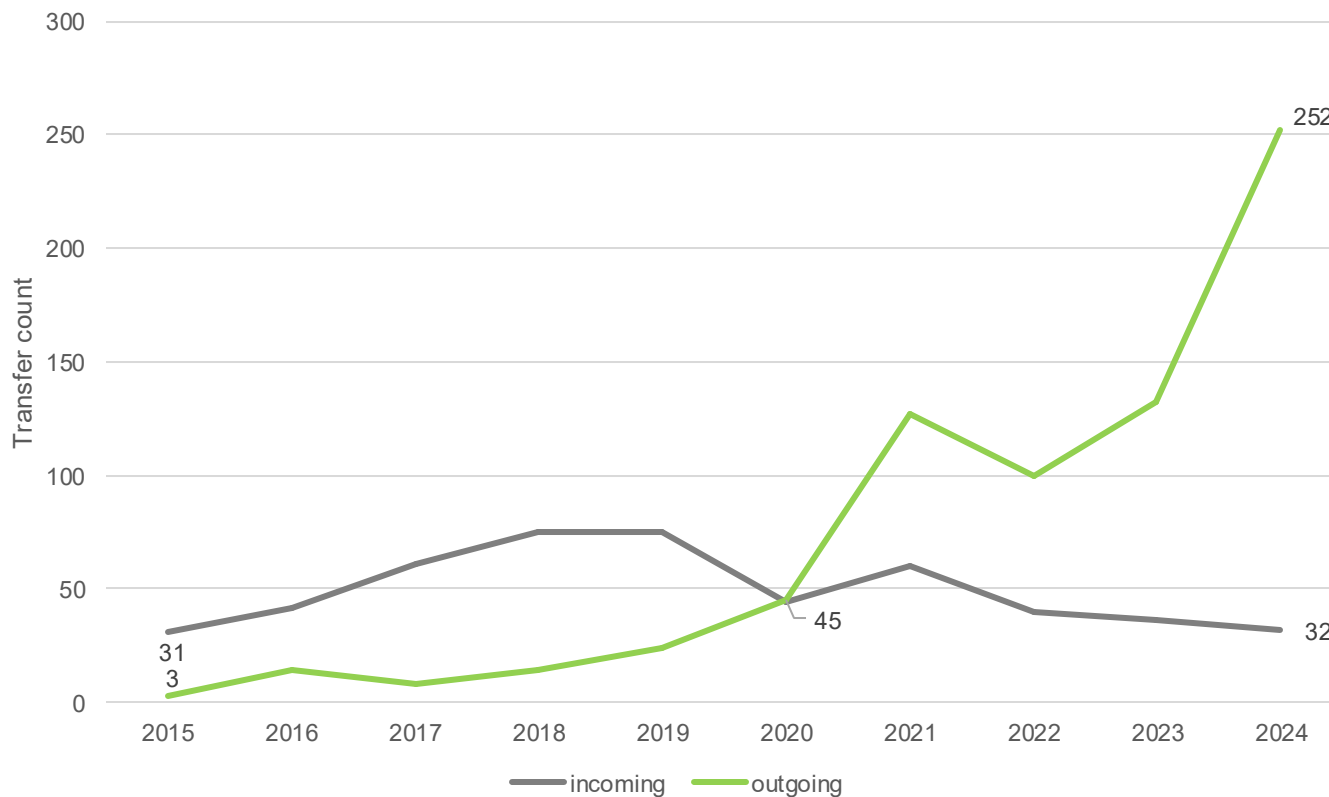
Outgoing Inter-RIR transfers

Last 10 years IPv4 transfers from APNIC by end of March 2025

East Asia, 6,630

Oceania, 8,333

South Asia, 5,617

South East Asia, 3,186

ARIN, 9,119

LACNIC, 80

RIPE, 14,567
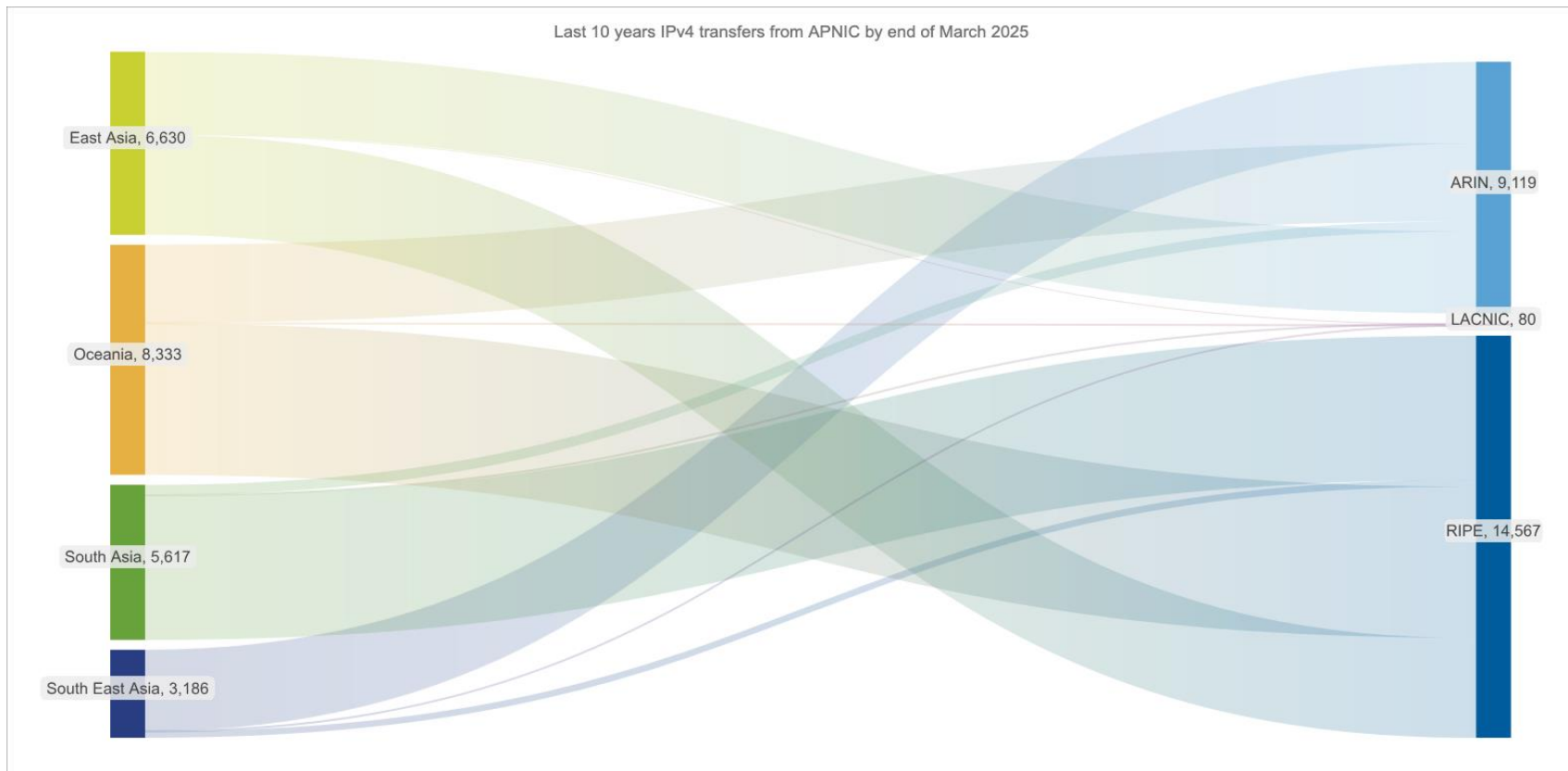
APNIC

Membership

- APNIC Members 10,170 (+226 net)
  - NIR sub accounts 15,216

- Member Services processed 12,235 tickets, 989 voice calls and 4,587 online chat sessions

- Helpdesk service satisfaction 96.1% 'excellent' and 'above average' ratings

by end of December 2024

Legend: NIR, APNIC
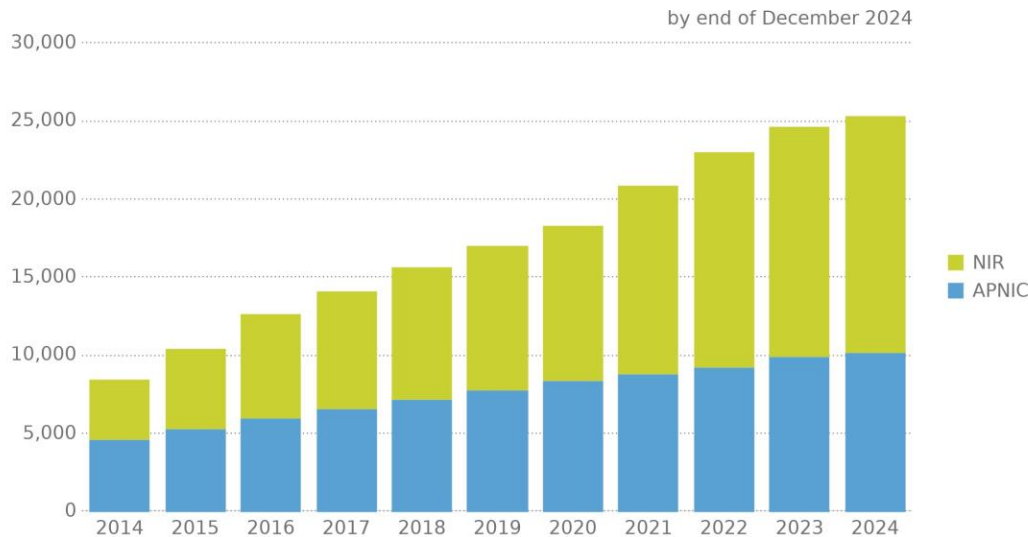
Historical Resource Transition – wrap up

- Resolution 2021-09: RESOLVES that all historical resource holders will need to become, or remain, a Member or Non-Member of APNIC on and from 1 January 2023, in order to continue to receive registry services from APNIC.

- prop-147: Historical Resources Management: Reserved historical resources can be claimed by the custodians within 12 months of the date they were marked as reserved. After 12 months, these resources will be placed in the free pool for re-delegation.

IPv4 Pool

- APNIC's available IPv4 space increased by 1,526,016 addresses (5,961 x /24s)

- Total available: 13,435 /24's

- Average delegation per month: 217 /24's

- Months remaining: 61.70

by end of December 2024
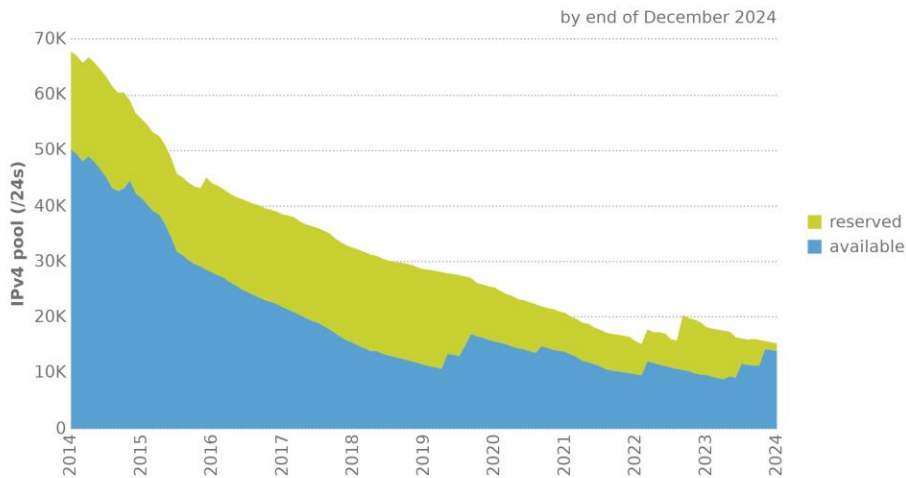
Policy

Proposal	Result
prop-154: Resizing of IPv4 assignments for IXPs	Implemented.
prop-156: Assignment of Temporary IP Resources	Implemented.
prop-162: WHOIS Privacy	Did not reach consensus. Returned to the mailing list.
prop-163: Enhancing WHOIS Transparency and Efficiency Through Referral Server Implementation	Did not reach consensus. Returned to the mailing list.

APNIC 60 — Save the Date!

https://conference.apnic.net/60

Registration will open soon

LACNIC Highlights

APNIC 59

Leadership Transition: Stability & Continuity

2015 — OCT 2024 — NOV 2024

Leadership Transition Session at LACNIC 42
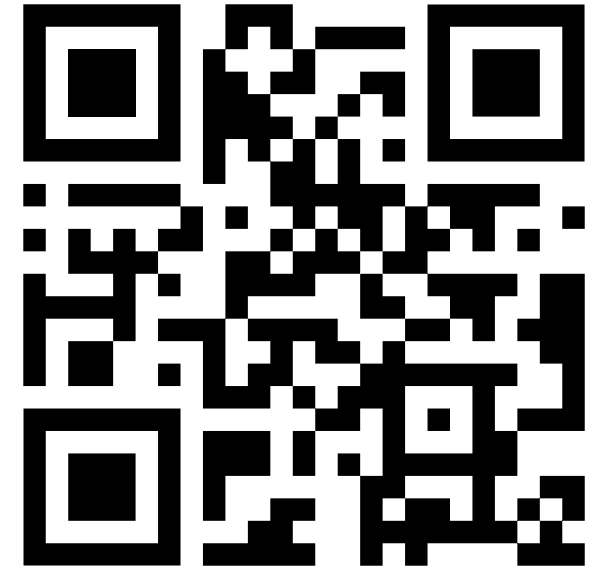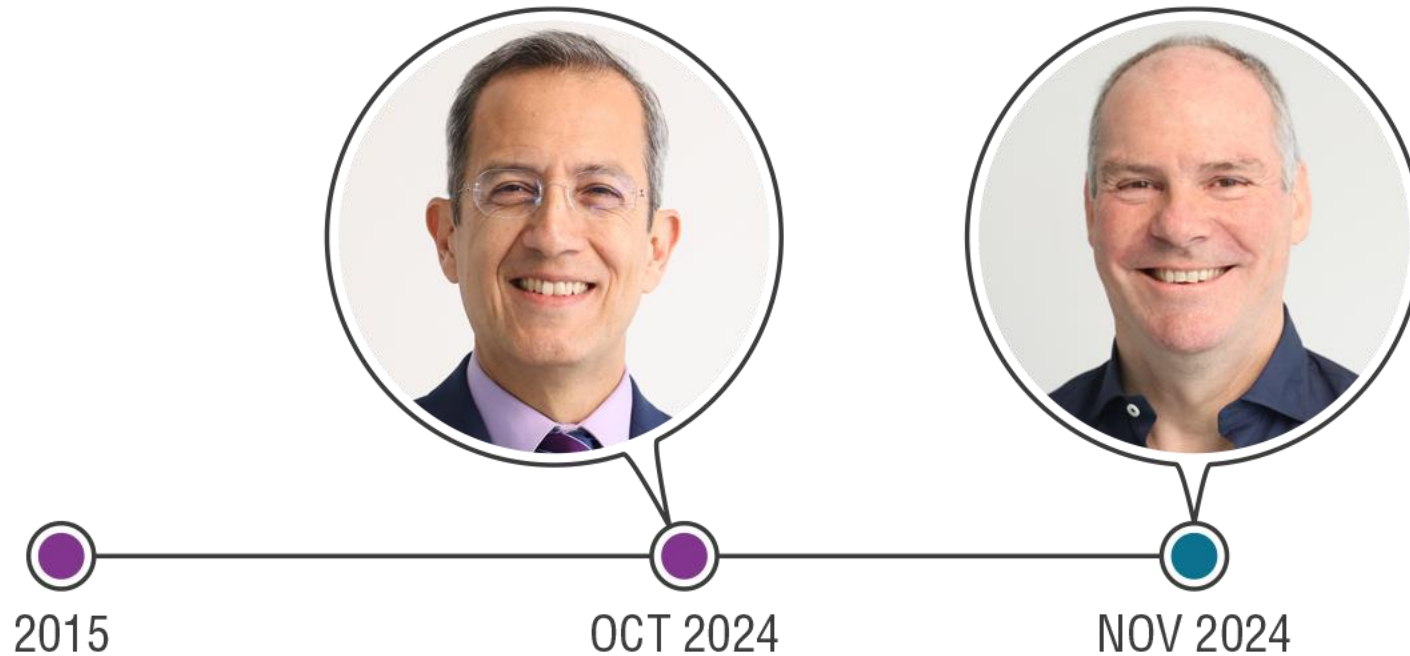
In alignment with the organization's **Succession Plan**, the Board has appointed Ernesto Majó as the new CEO.

The communication of this transition was very **transparent and clear,** both externally and internally.

2FA Implementation Progress

Security Incidents Detected:
MiLACNIC Access Credentials

**February
2024**

**April
2024**

User survey -> Led to
improvements in MiLACNIC

2FA Gradual Implementation
Campaign

**May
2024**

Large members

**March
2025**

**December
2025**

Small members

Communication campaign -> Raised awareness
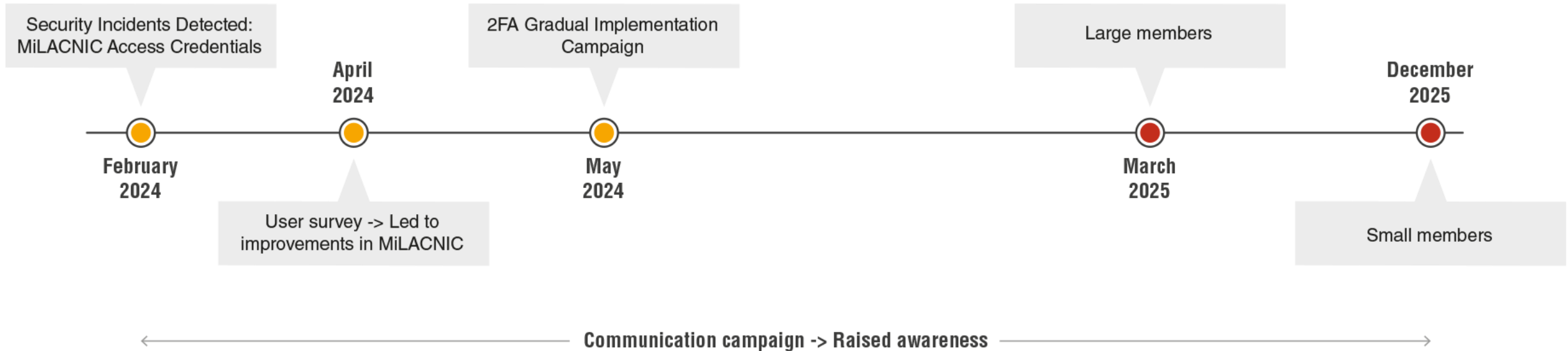
Today ▸ **92%** of large members already have **2FA** enabled

www.lacnic.net

Campus LACNIC: Technical Training for the Community

Campus LACNIC is an online learning platform designed to enhance technical skills in key areas such as RPKI, DNS, network management, Internet governance, and IPv6.

+7340 students | +34% chose IPv6 courses

More info: *https://campus.lacnic.net*

Specializations

SPECIALIZATION
ISP
Network Operation

Certification

SPECIALIZATION
Data Centers
Network Operation

Certification

SPECIALIZATION
Campus
Network Operation

Certification

Member Satisfaction Survey 2024: Key Insights & Trends

In 2024, we achieved a **96% overall satisfaction rate**, reflecting a strong and trusting relationship with our members.

Quarterly surveys: achieving an **average satisfaction rate of 95%.**

Legend:
- No answer
- Very Satisfied
- Satisfied
- Neutral
- Dissatisfied
- Very Dissatisfied

	2020	2022	2024
Very Satisfied	81%	77%	78%
Satisfied	17%	19%	18%
TTBOX	98%	96%	96%

Member Base

Still growing but at slower pace

IPv6 Only

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
Total	2,801	3,676	4,479	5,297	6,620	7,919	9,422	11,149	11,851	12,458	12,691	12,906
IPv6 Only									307	708	1,078	1,598

■ Total ■ IPv6 Only

www.**lacnic**.net
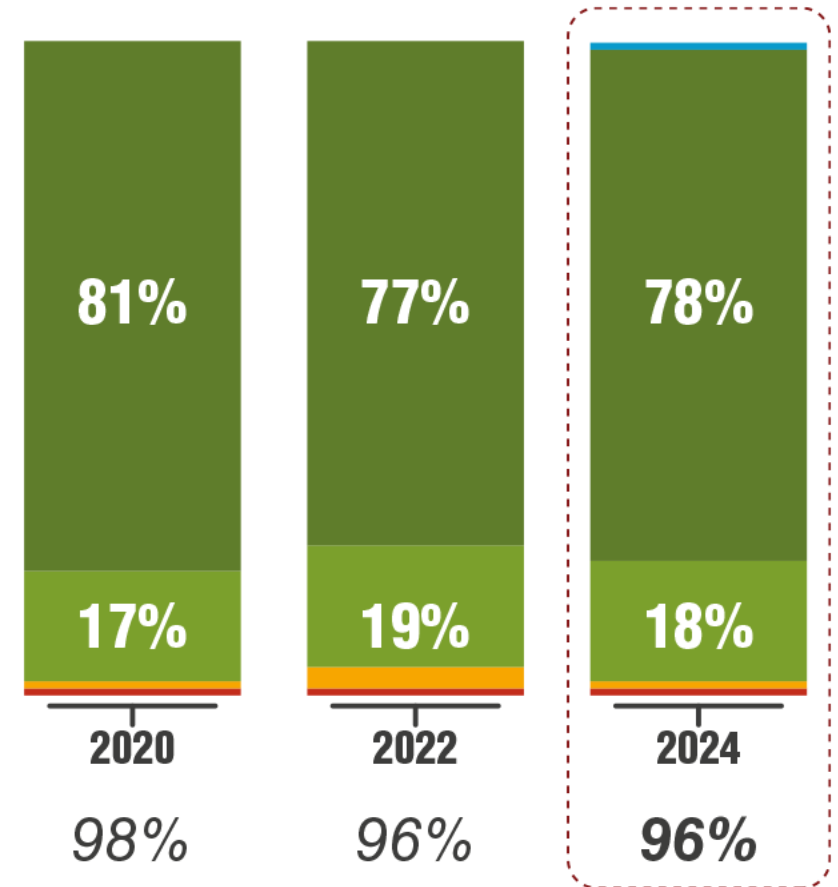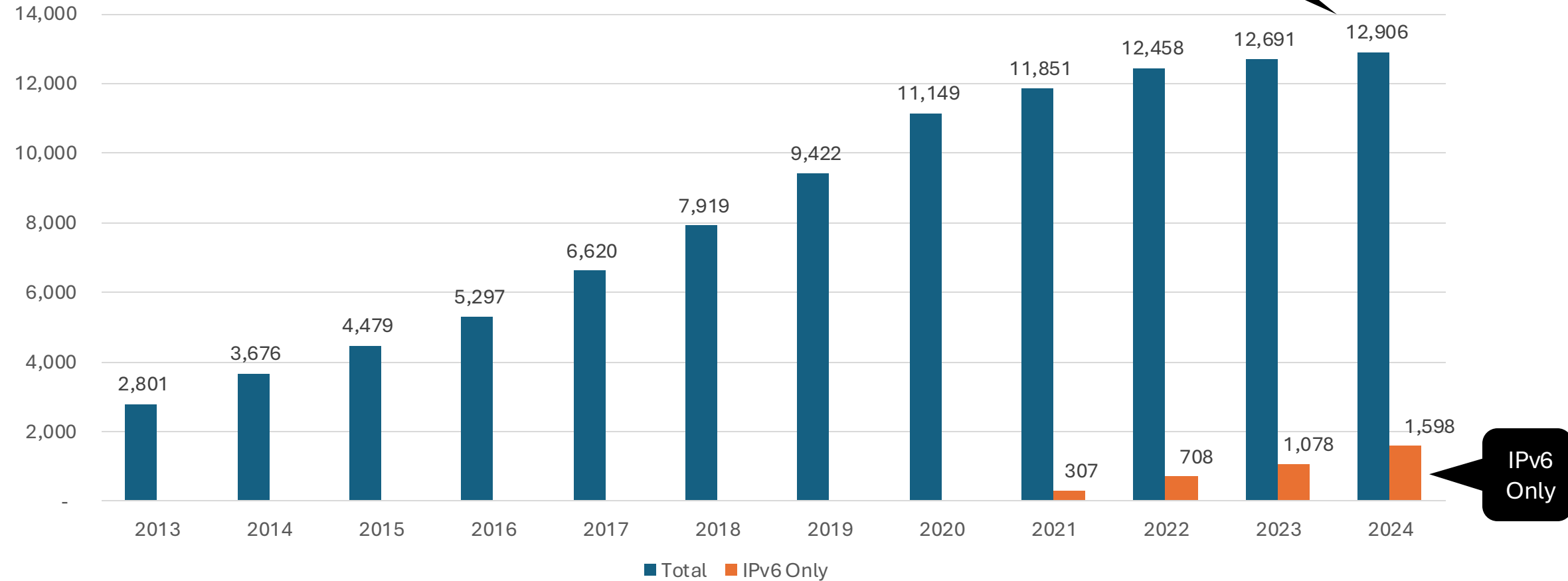
Waiting List

- 1.500 organizations

- Actual wait time for orgs receiving IPv4 is 4 years

- Last in the list should wait 10 year
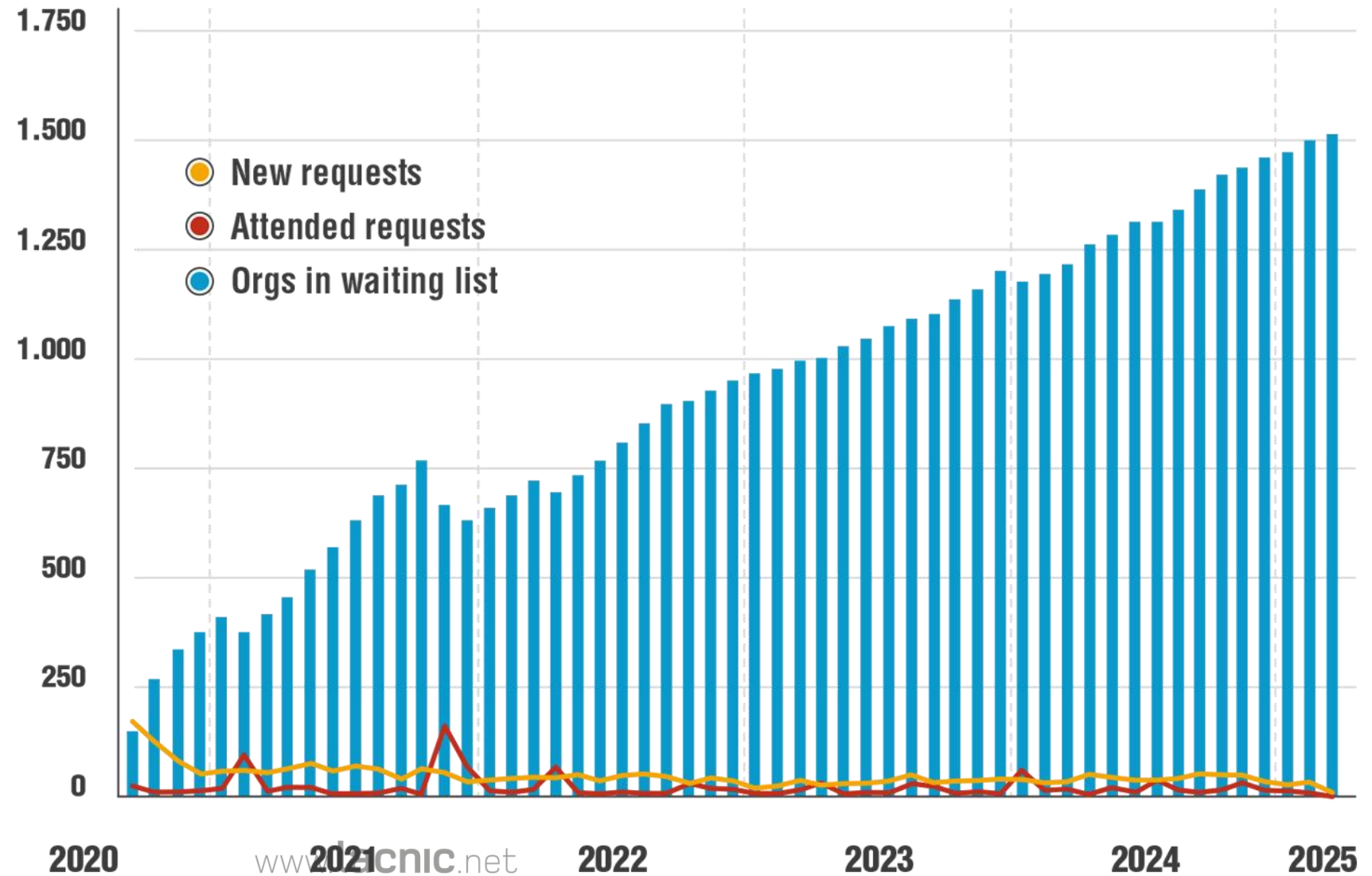
Join us for LACNIC 43!
São Paulo from May 5-9

This year, ABRINT will host the event alongside their national conference, creating a unique synergy that enhances networking and knowledge exchange opportunities.

Registration opens soon, stay tuned!

https://lacnic43.lacnic.net/

abrint®

lacnic 43

5-9 de Mayo 2025 / São Paulo, Brasil
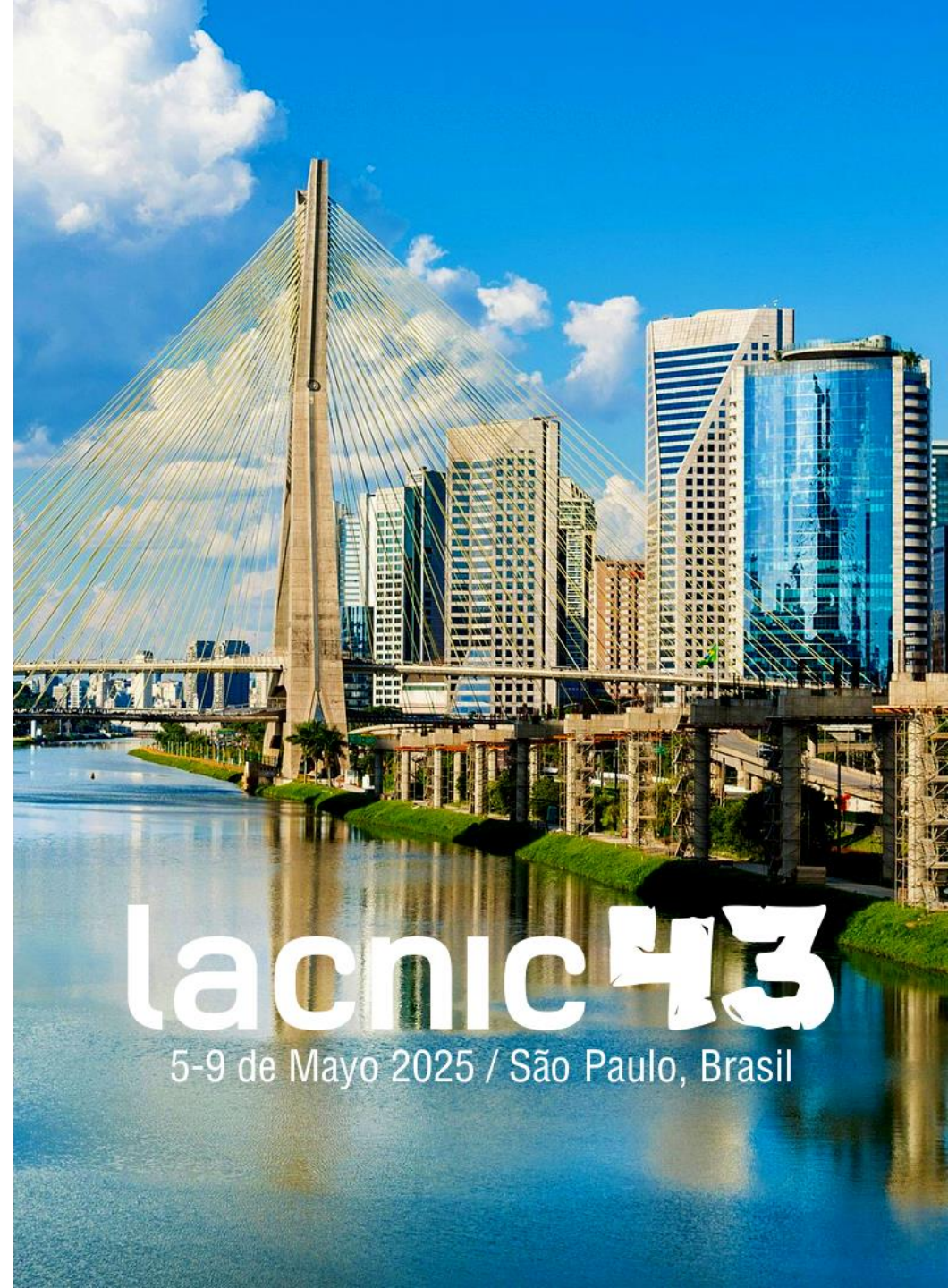
www.**lacnic**.net

LACNIC Blog

Technical Content from Latin America and the Caribbean

lacnic blog

Subscribe now and be part of the conversation!

www.lacnic.net

Thank you!

www.**lacnic**.net

RIPE NCC Strategic Objectives

1	Support an open, inclusive and engaged RIPE community
2	Operate a trusted, efficient, accurate and resilient Registry
3	Enable our members and community to operate one secure, stable and resilient global Internet
4	Maintain a stable organisation with a robust governance structure
5	Attract engaged, competent and diverse staff

Focus Points for 2025

1 **Registry Accuracy**
Ensure that the Registry and RIPE Database have the appropriate levels of **accuracy, compliance, resilience,** and **security**

2 **Data, Measurement and Tools**
Be a centre of excellence for data, measurements and tools that provide insight on the Internet and its operations

3 **Stability**
Ensure the organisation's stability and financial strength

4 **Resilience**
Be resilient in the face of political, legislative and regulatory changes that have the potential to affect our operations

5 **Security and Compliance**
Maintain necessary levels of security and compliance with best practices and applicable regulations

Just Published

Annual Report 2024

Financial Report 2024

Part of our General Meeting Supporting Documentation

HIGHLIGHTS OF THE YEAR

JANUARY · **FEBRUARY** · **MARCH** · **APRIL** · **MAY** · **JUNE** · **JULY** · **AUGUST** · **SEPTEMBER** · **OCTOBER** · **NOVEMBER** · **DECEMBER**

Redesigned version of ripe.net Read more

The RIPE NCC joined Mastodon Read more

SEE 12 (Athens, Greece) Read more

Roundtable Meeting for Governments and Regulators (South East Europe) Read more

CAPIF 3 (Bishkek, Kyrgyzstan) Read more

Launch of LIR Fundamentals course in the RIPE NCC Academy Read more

Internet Measurement Day: Romania Read more

How to Get IP Addresses for Your Network Read more

2FA rollout on RIPE NCC Access accounts Read more

Roundtable Meeting for Governments and Regulators (Europe) Read more

Unlocking Digital Growth: The Role of IXPs in the Middle East Read more

RIPE 88 (Kraków, Poland) Read more

Internet Measurement Day: Uzbekistan Read more

RIPE NCC Academy **Summer School** Read more

MENOG 24 (Muscat, Oman) Read more

Green Tech Hackathon Read more

RIPE 89 (Prague, Czechia) Read more

Internet Measurement Day: Türkiye Read more

Roundtable Meeting for Governments and Regulators (Middle East) Read more

MEMBERSHIP OVERVIEW

All numbers are as of 31 December 2024. Please note that one member can hold more than one LIR.

19,993
Total number of active members

957
New LIRs

15,381
Members with an IPv6 allocation

20,991
Total number of active LIRs

120
Member countries

TOP 10
Members by country

DE	2,233
GB	1,977
RU	1,418
FR	1,238
IT	1,137
NL	1,127
ES	901
CH	720
PL	664
TR	591

TOP 10
New members by country

DE	85
GB	78
IR	69
TR	61
FR	48
IT	43
RU	43
NL	42
ES	30
CH	27

TOP 10
LIRs by country

DE	2,323
GB	2,047
RU	1,474
FR	1,306
IT	1,190
NL	1,179
ES	942
CH	744
IR	700
PL	688

CLOSURES INITIATED BY

TOTAL 1,536

196 the RIPE NCC
1,340 members

REASONS FOR CLOSURE BY THE RIPE NCC

TOTAL 196

9 Untruthful information
29 Unresponsiveness
5 Bankruptcy
153 Non-payment

952 new LIR applications cancelled

Activities
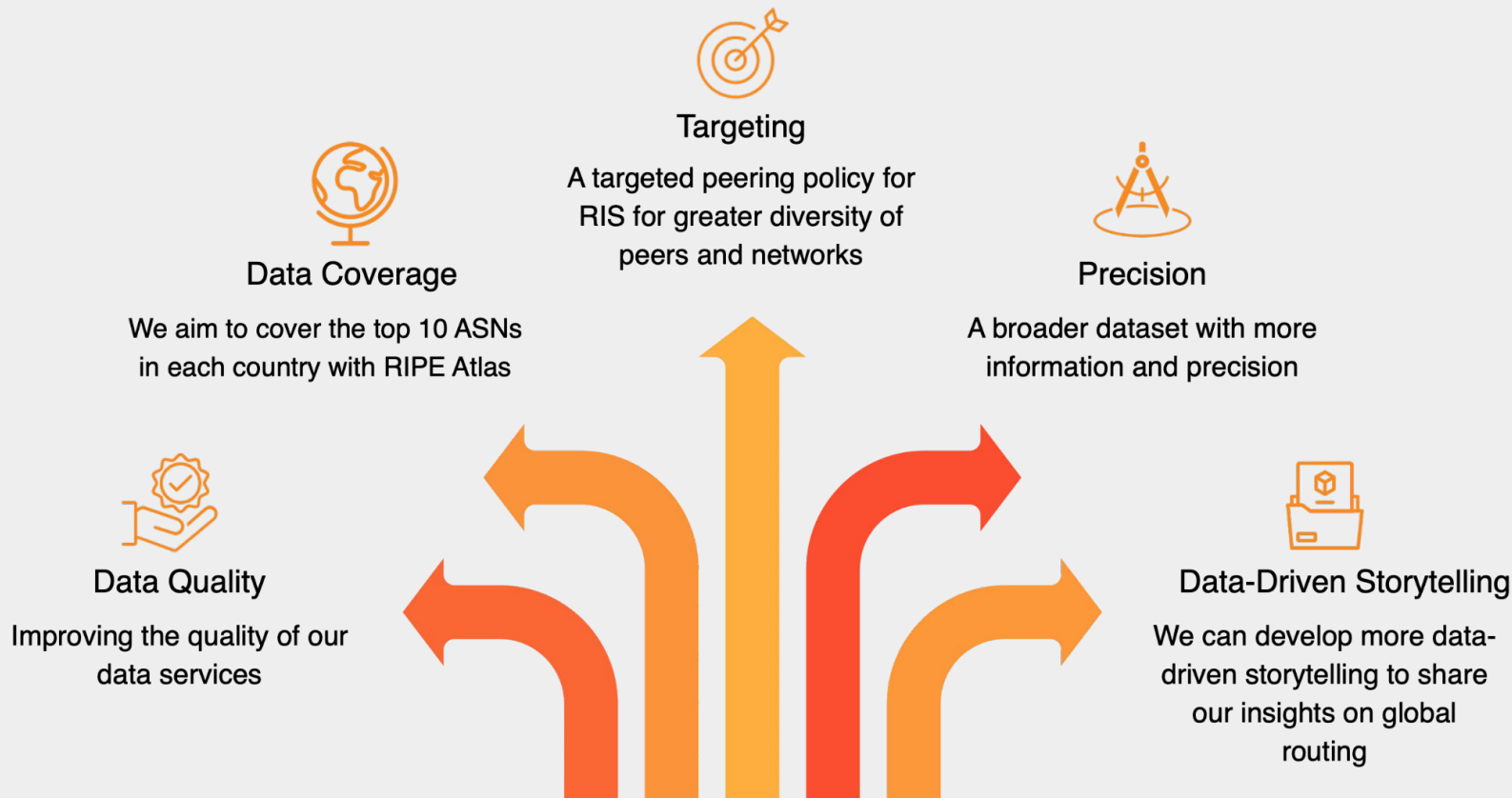# in 2025

Ensuring Accuracy and Compliance

- We will conduct in-depth Registry accuracy investigations and more extensive (automated) sanctions screening

- In the RIPE Database, we will phase out MD5 hashed passwords and offer API keys for better security

- Organisation-wide, we are implementing international compliance standards like the ISO 27001 series and carrying out ISAE 3000 audits

- EU sanctions still create a significant workload: see our latest Quarterly Sanctions Transparency Report

Data, Measurements and Tools

Data Coverage

We aim to cover the top 10 ASNs in each country with RIPE Atlas

Targeting

A targeted peering policy for RIS for greater diversity of peers and networks

Precision

A broader dataset with more information and precision

Data Quality

Improving the quality of our data services

Data-Driven Storytelling

We can develop more data-driven storytelling to share our insights on global routing
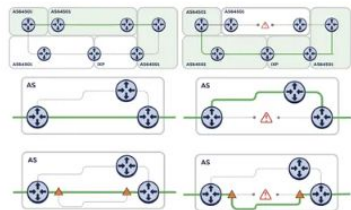
Data, Measurements and Tools

- As a number of our services have a large amount of historical data, we need a more cost-effective data storage solution

- Therefore, we are drastically reducing our data centre footprint, going from 46 racks down to 10 by the end of 2025

Data Centre Reductions

Data, Trends and Insights
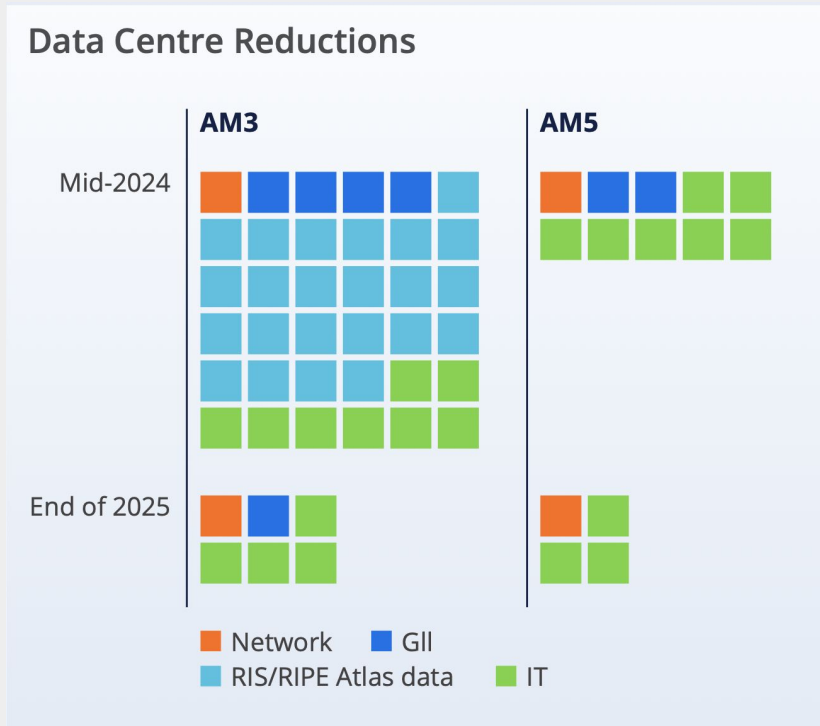
As Seen on **RIPE Labs**

A Deep Dive Into the Baltic Sea Cable Cuts

Emile Aben • 19 Dec 2024 • 25 min read

With last month's cuts in two major Baltic Sea Internet cables now successfully repaired, and another cut having occurred in the meantime, we analyse these events and delve deeper into the question of how exactly the Internet has remained resilient.

https://labs.ripe.net/author/emileaben/a-deep-dive-into-the-baltic-sea-cable-cuts/

https://labs.ripe.net/author/qasim-lone/the-internet-landscape-in-the-middle-east/

The Internet Landscape in the Middle East

Qasim Lone • 28 Nov 2024 • 18 min read

The Middle East's Internet landscape is diverse and complex, with big variations between the GCC countries and areas such as the Levant and North Africa. Ahead of MENOG 24, we look at the development of Internet technologies in the Arabic-speaking countries of the region that have the potential to ...

Data, Trends and Insights

October 2024

https://labs.ripe.net/author/anastasiya-pak/how-to-get-ip-addresses-for-your-network/

February 2024

https://labs.ripe.net/author/jadelcham/unlocking-digital-growth-the-role-of-ixps-in-the-middle-east/

Strengthening the RIPE Community and RIR System

- We offer online learning through our webinars and the RIPE NCC Academy, as well as in-person training courses and certification through RIPE NCC Certified Professionals exams

- We support community initiatives including NOGs and hackathons and do outreach for academics through programmes like RACI

- We are working with the NRO on a review of the ICP-2 document ("Criteria for Establishment of New Regional Internet Registries") to increase the resilience of the RIR system

- We will also represent the technical community in important upcoming Internet governance events like the IGF and WSIS+20

Increasing Financial and Legal Resilience
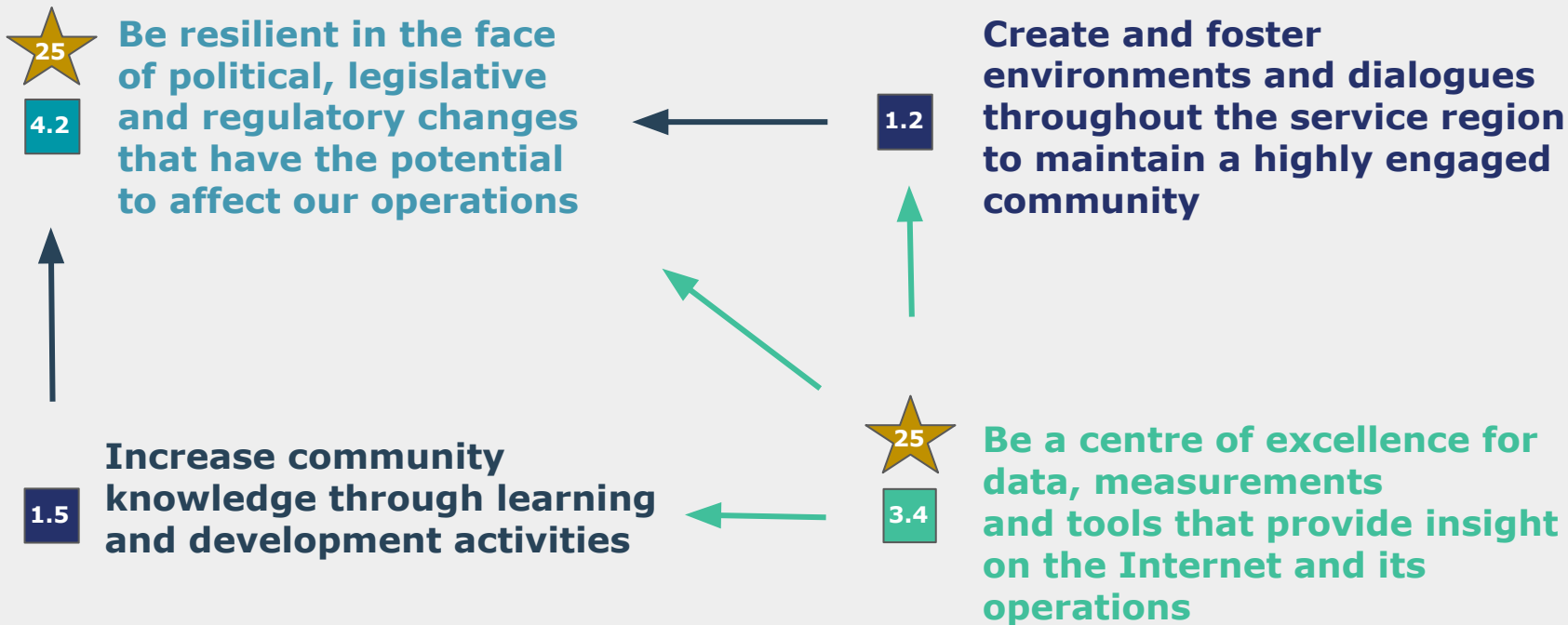
- Ensuring compliance with Dutch and EU legislation such as GDPR and the Digital Services Act
  - Reviewing the applicability and potential impact of upcoming legislation such as NIS2

- Exploring how we can overcome bank limitations to receiving funds from members in certain countries owing to OFAC sanctions

- The establishment of a legal entity in Dubai (RIPE NCC Middle East FZ-LLC) to enhance our presence in the region and better serve our members

- Generate 600 kEUR in sponsorship for events and data services

Our Events in 2025

01 SEE 13
Sofia, Bulgaria
7-8 April 2025

02 RIPE 90
Lisbon, Portugal
12-16 May

03 RIPE NCC Days
Chișinău, Moldova
18-19 June

04 RIPE 91
Bucharest, Romania
20-24 October

05 MENOG 25
TBD
23-27 November

Join us at

RIPE 90

Lisbon, Portugal
12 – 16 May 2025

ripe90.ripe.net

Questions & Comments ?

✉ astracha@ripe.net

THANK YOU!