RIPE NCC and the RIR System

## What's Coming in 2022?

Chris Buckridge | EURALO Roundtable | 1 February 2022

Mapping the Way Forward

- Draft RIPE NCC strategy that looks ahead to the next five years

- Provides direction to strengthen our position within the Internet ecosystem

- Will feed into Activity Plans and Annual Reports

https://www.ripe.net/draft-strategy-2022-2026

RIPE NCC
RIPE NETWORK COORDINATION CENTRE

DRAFT
RIPE NCC
STRATEGY

2022 - 2026
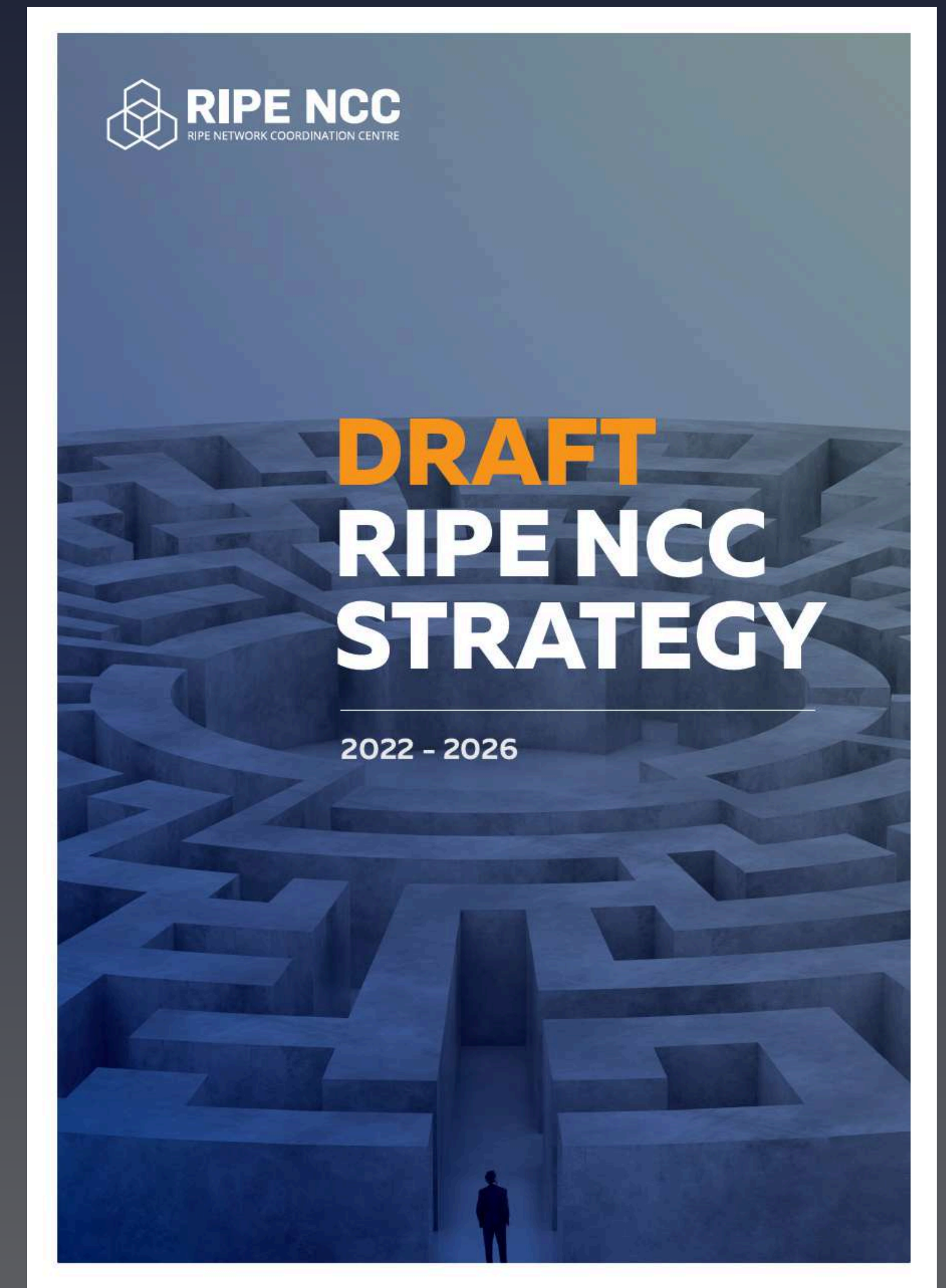
RIPE NCC Strategic Objectives

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

Enable our members and community to operate one secure, stable and resilient global Internet

3.1	Secure internet number resources by developing and operating a resilient, externally auditable, and secure resource certification Trust Anchor
3.2	Support the global naming system by operating K-root and DNS services
3.3	Support the growth of the Internet through promoting the use of best practices for Internet Resources and standards such as IPv6 and RPKI
3.4	Be a centre of excellence for data, measurements and tools that provide insight on the Internet and its operations.
3.5	Support the innovation and evolution of the Internet through contributing to initiatives meant for the good of the Internet

Maintain a stable organisation with a robust governance structure

4.1	Ensure the organisation's stability and financial strength
4.2	Be resilient in the face of political, legislative and regulatory changes that have the potential to affect our operations
4.3	Protect the Joint Internet Number Registry as developed by the Internet community.
4.4	Maintain necessary levels of security and compliance with best practices and applicable regulations

Factors Driving RIPE NCC Strategy

Politics/ regulation

Changing industry/ community

Political issues including conflict among countries within and outside our service region. This has the potential to affect us in the following areas:
- Sanctions
- Our ability to engage effectively
- Impact on our due diligence efforts
- Financial impact due to impact on banks

- Legislative and regulatory issues at the EU level and within other countries in our service region can impact how the RIPE NCC is run and how our members operate.
- The effect of consolidation in the market on membership growth and income.
- The development of the market for Internet number resources
- Our ability to hire and retain talented people from across our service region

Lack of ability to meet face-to-face, making coordination more difficult to achieve

Economic uncertainty in the post-COVID economy
Potential regulation regarding digital taxation
The impact of providing services to members outside our service region
Divergence and conflicting interests of various groups in membership and community
Efforts to destabilise the RIPE NCC or the RIR system

- Ability to balance due diligence requirements with the need to provide excellent services and member experience
- The need to ensure diversity in the community and participation from the next generation
- Ensuring the PDP serves the interests of the community and matches the governance of the RIPE NCC
- The need to find a good balance between community expectations and our need to provide technical services in an effective way
- Security of our technical environment and security of member resources
- The growing importance of IPv6 and RPKI requiring new mindsets and working practices
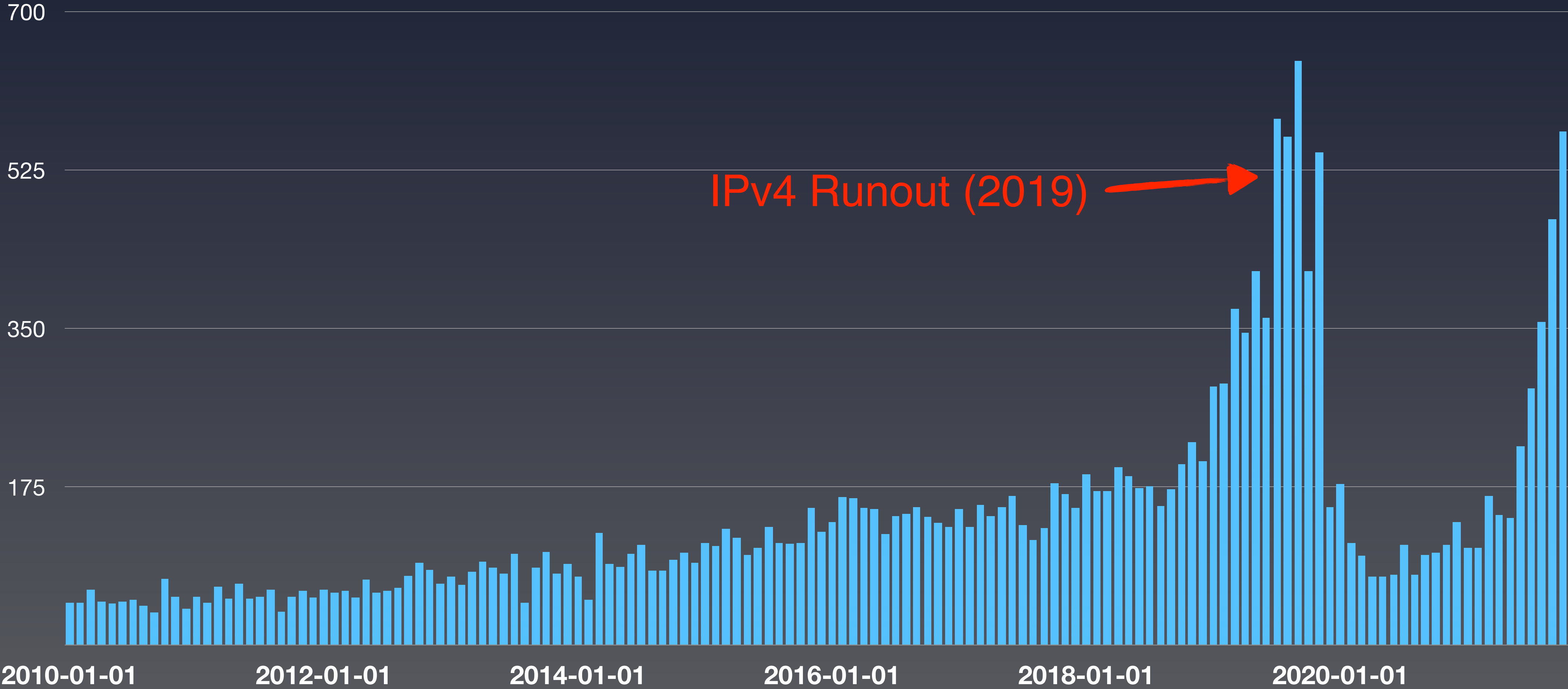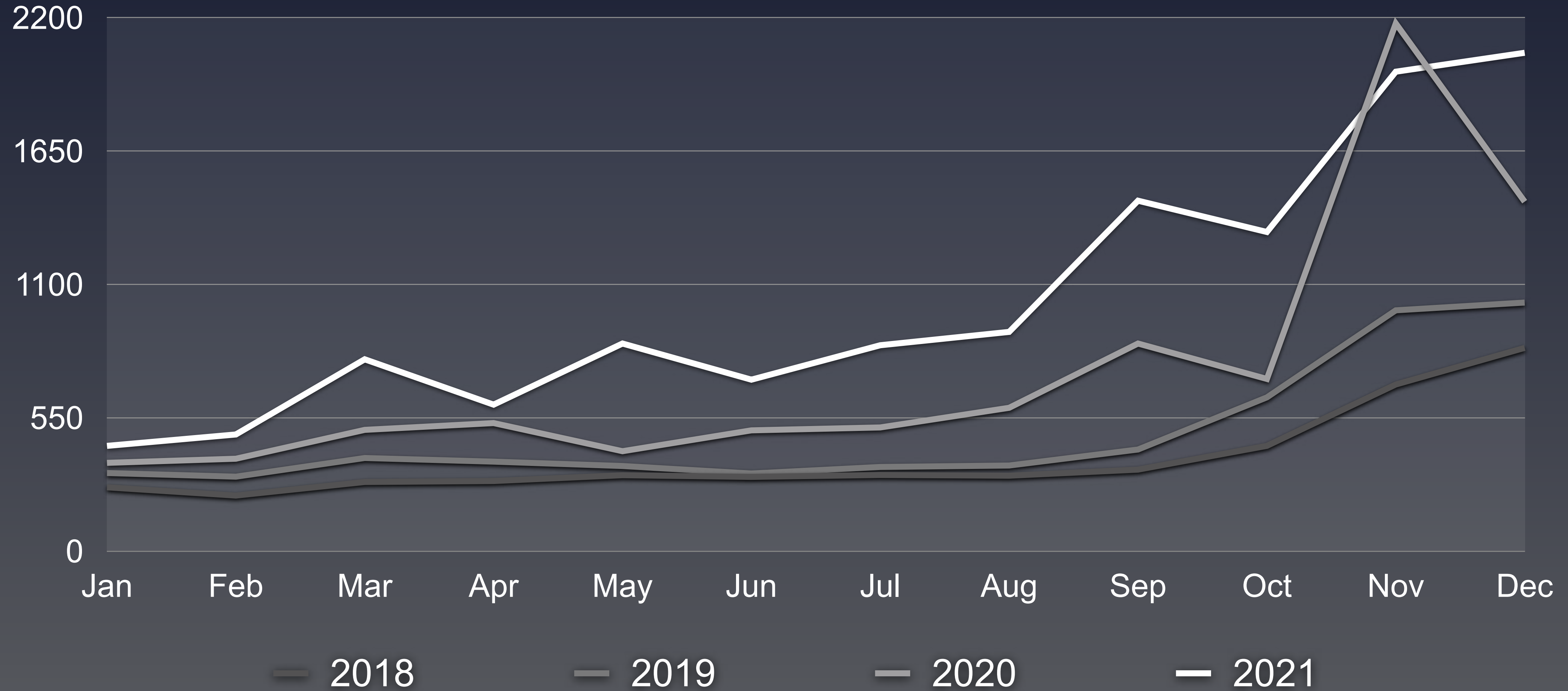
Looking towards 2022

Goals for the coming year:

- Maintaining an accurate registry

- Strengthening our RPKI and RIPE Database infrastructure

- Security, risk management and compliance

- Effective engagement and outreach

- Supporting the RIR system and the wider Internet governance ecosystem

- An effective and sustainable organisation

RIPE NCC Membership Growth (to October 2021)

IPv4 Runout (2019)

700

525

350

175

2010-01-01   2012-01-01   2014-01-01   2016-01-01   2018-01-01   2020-01-01

RIPE NCC Policy Transfer Tickets

Dealing with Sanctions

- We are subject to EU sanctions regulations

  - Cannot make further Internet number resources available to sanctioned entities

  - Any resources that have already been registered to sanctioned entities must be frozen in the RIPE Database

- In 2021, the RIPE NCC improved and automated our monitoring of membership information against EU sanctions

- Quarterly sanctions transparency reports published at:

  - https://www.ripe.net/publications/docs/ripe-documents/ripe-ncc-organisational-documents

- Talks with our banks are also ongoing, as they have their own compliance obligations

Evolving Public Policy in the EU

- Currently engaging on several major pieces of legislation moving through the system:

  - Directive on measures for a high common level of cybersecurity across the Union (NIS 2)

    - ** Particularly in relation to the coverage of the root server system

  - Digital Services Act (DSA)/Digital Markets Act (DMA)

  - Data Governance Act (DGA)

  - E-evidence package

  - E-privacy Regulation

- Additionally…

  - DNS4EU; Cyber Resilience Act (2022)

Public Policy Engagement

- The RIPE NCC is engaged in discussions in venues, including:

  - The Internet Governance Forum

    - Including regional and national initiatives, such as EuroDIG

  - The International Telecommunication Union

  - The Organisation for Economic Co-operation and Development

  - The Council of Europe

  - The League of Arab States

  - Direct engagement with actors at the national and regional government level

The Takeaway

- Global digital policy / Internet governance is increasingly complex

- Many governments reference the principle of maintaining an "unfragmented Internet"…

  - But a fragmented approach to governance risks a fragmented Internet

- Multistakeholder models remains our best defence against that fragmented approach

  - **But multistakeholder models require multistakeholder engagement!**

The Community Projects Fund

- Over 30 projects have been funded for the 'good of the Internet'

- Funding of EUR 250,000 to support projects of value to the operation, resilience and sustainability of the Internet

- In 2021:

  - 20 applications were received from 16 countries

  - Nine projects were selected for 2021 funding

  - Projects awarded from EUR 10k to EUR 50k

  - Read more about the projects at:
    https://www.ripe.net/support/cpf/funding-recipients-2021

- Call for 2022 applications opens mid-year!

Keep E-learning With Us

- RIPE NCC Certified Professionals: IPv6 Security Expert exam is now live

- RIPE NCC Academy has new content:

  - Updated version of the IPv6 online course

  - IPv6 Security online course

  - *New* virtual lab activities and environment

- E-learning will remain an important part of our training programme post COVID-19
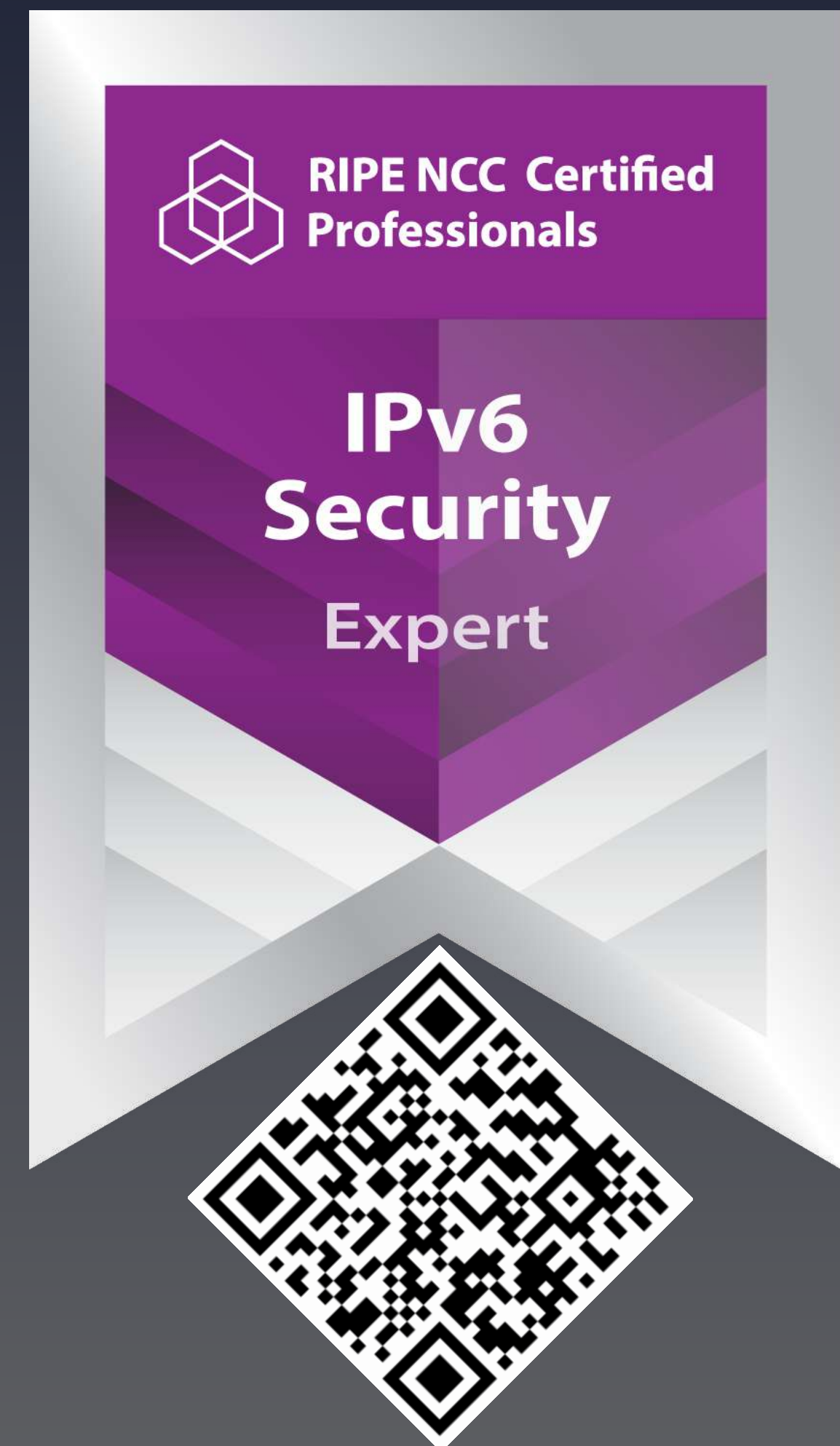
Questions ?

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