



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update

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Managing Director
RIPE NCC

RIPE 80 | Virtual | 13 May 2020

New Role



- Started as RIPE NCC Managing Director on 1 May 2020
- Many years both as a RIPE NCC member and part of the RIPE community
- Priority for first 100 days: getting to know RIPE NCC from the inside, hearing from its staff
- Will remain as interim RIPE Chair until the community finds a replacement

Thanks Felipe, Kaveh, Gwen!



Annual Report 2019



- Operational Highlights

- 4,499 additional LIRs / 1,929 additional members
- 6,197 /22 IPv4 allocations and 2,840 IPv6 allocations
- 104 training courses for 1,993 participants in 41 countries (a further 35 webinars for 870 participants)
- 3,258 ARCs completed (65 during RIPE Meetings)
- 77,979 abuse-c email addresses validated (94% using automated process)
- 10,650+ active RIPE Atlas probes
- 579+ RIPE Atlas anchors

Financial Report 2019



- Strong financial position
- Focus on prudent cost management
- Sound capital and liquidity management
- GM vote to add 50% of 2019 surplus to reserve has returned this to 101% of yearly operating costs
- Possible LIR consolidation affecting income in years ahead - but not seen as a threat to long-term stability

Strategic Focus 2018-2020



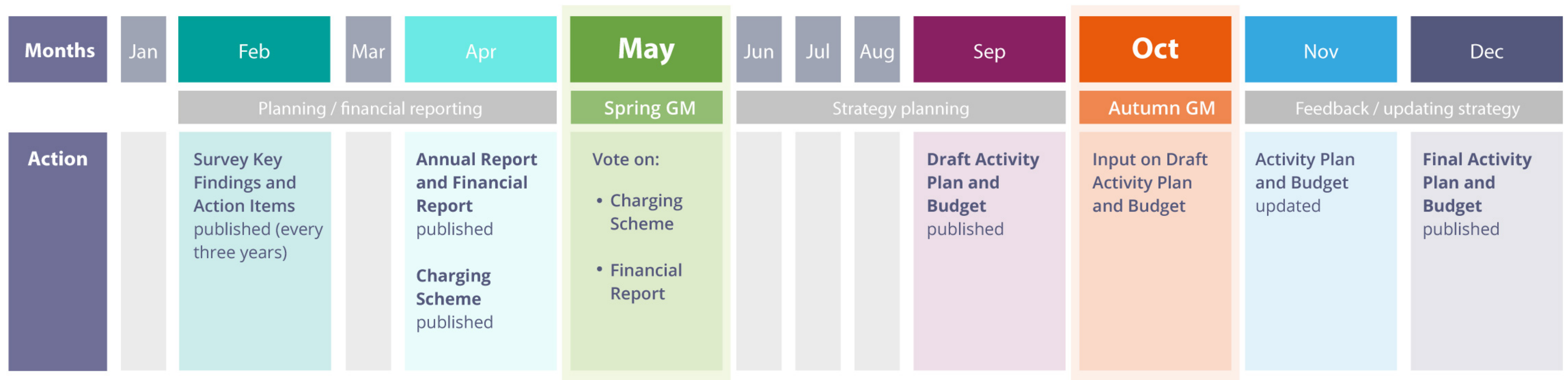
**“Deliver world-class services while
engaging to connect people
to maintain the resiliency
and stability of the Internet.”**

Strategy Key Pillars 2018-2020



- **Service Delivery and the Registry/RIPE Database** – Rethink service delivery, incorporate a professional trust model, and ensure the accuracy of the Registry/RIPE Database.
- **Engagement** – Carry out effective outreach to all stakeholders to stay connected and fulfil our goals.
- **RIR System** – Strengthen the global RIR system and ensure its accountability, transparency and resilience, and allow it to adapt to the changing environment.
- **Member Base** – Understand our members to meet their needs and add value.

Yearly Planning Cycle



Our Strategic Focus in 2020



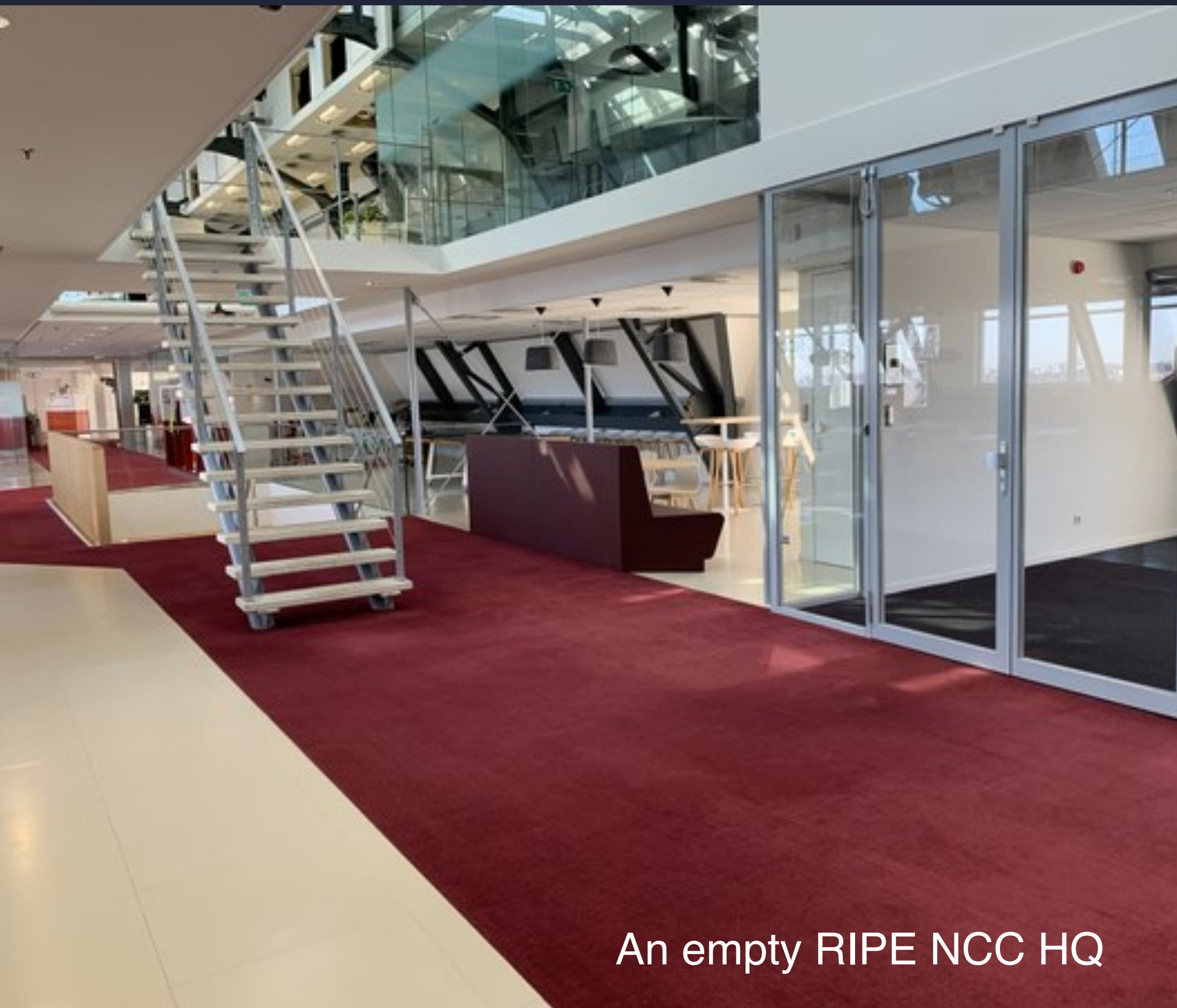
- Improving existing services and processes
- Maintain effective member outreach and external relations
- Modernising our technical infrastructure
- Adapting internal structure of the organisation
- Last year of three-year strategic planning period

Current Issues



- COVID-19 impacting our organisation and our membership
- RPKI resiliency
- Sanctions
- Membership growth slowing after IPv4 run-out

COVID-19 Challenges (1)



An empty RIPE NCC HQ

- RIPE NCC transitioned to fully-remote work in March
- Aim for zero impact on service levels
- So far adjustment has gone well
- Meeting schedule impacted:
 - All regional meetings postponed
 - RIPE 80 and Member Lunches as “virtual events”
- Exploring other online options to engage with members

COVID-19 Challenges (2)



- Training courses now fully remote
- Payment period for membership fees extended by three months
- Monitoring impact of COVID-19 on Internet stability
 - RIPE Atlas Virtual Hackathon:
<https://labs.ripe.net/Members/becha/hackathons-in-the-time-of-corona>
- Updates on RIPE Labs:
 - https://labs.ripe.net/Members/saskia_oostdijck_van_gorp/the-ghost-office
 - <https://labs.ripe.net/Members/fergalc/working-together-while-apart>

RPKI Resilience



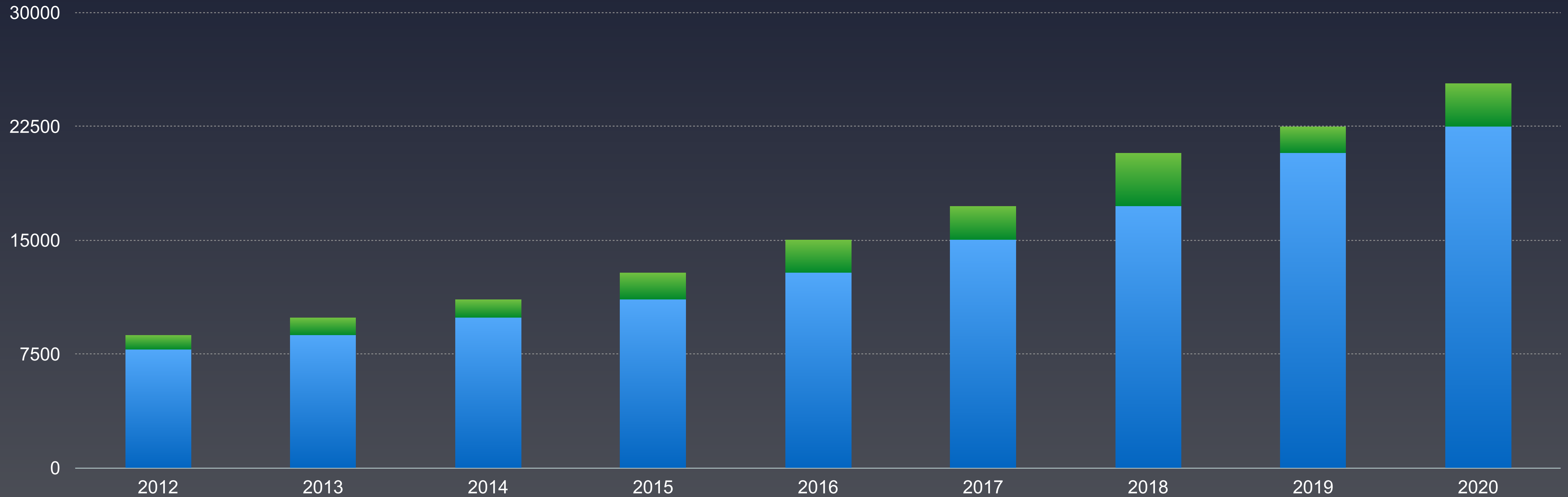
- As uptake has increased, need to ensure operators can trust in our RPKI infrastructure
- A few incidents earlier this year were not helpful
- A thorough review of our RPKI infrastructure is in progress
- More detail in the Operational Update later in this session

Sanctions



- Two members in Iran and one in Syria were recently found to be on the EU sanctions list
- We do not believe registration of Internet number resources should be affected by political disputes
- Committed to supporting Internet stability and the operations of our members
- More details also in the Operational Update

Membership Growth



- +214 new LIRs in 2020 (0.8% increase)

RIPE Atlas Software Probes

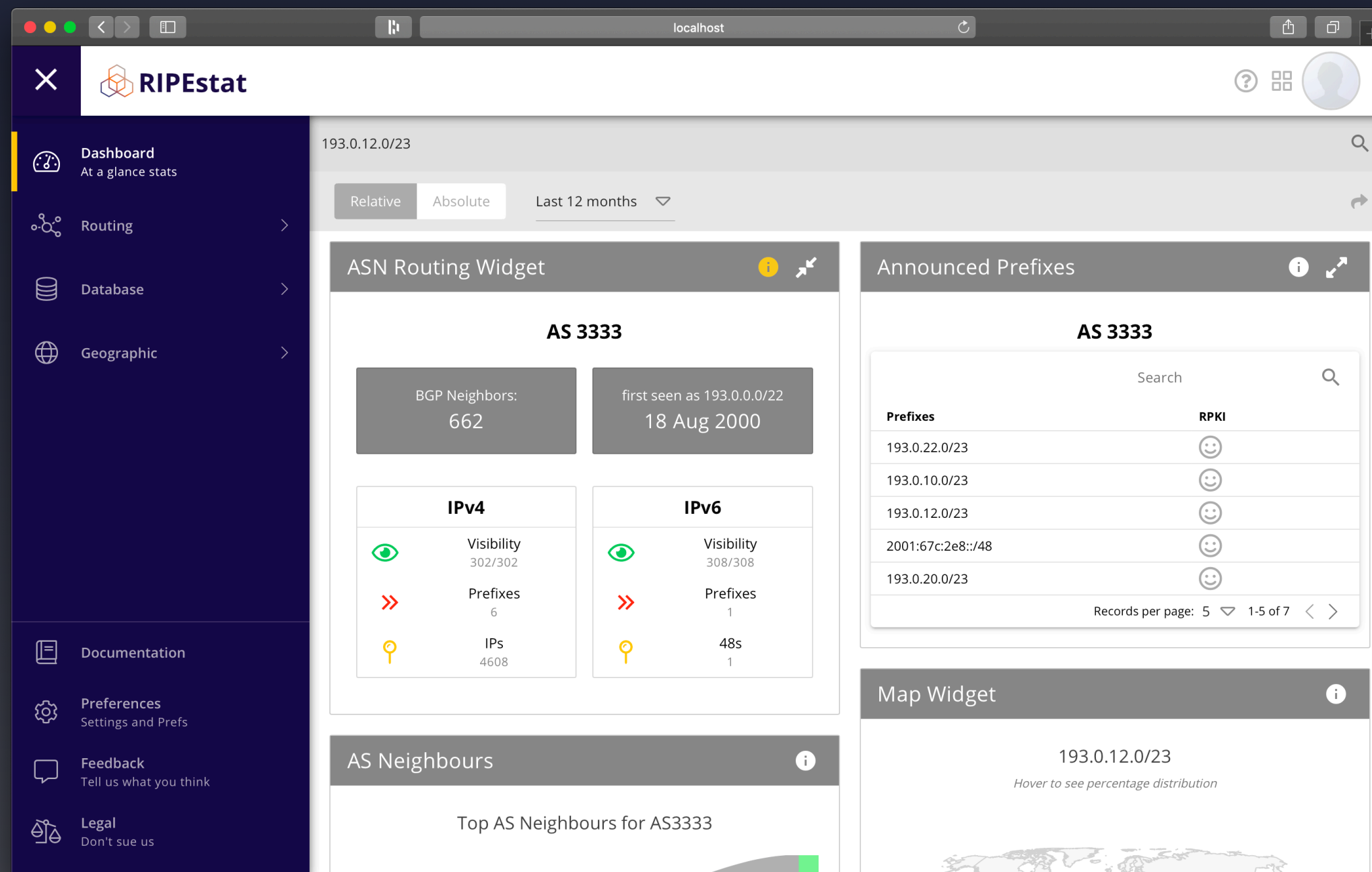


- Our latest generation of probes are software packages that work just like regular probes
 - Install and run on your virtual machines home routers, servers, etc.
 - **Currently supporting:** CentOS 7 and 8; Debian (9 and 10) and Raspbian; Docker; Turris Routers
 - Further information: atlas.ripe.net/docs/software-probe/
- Apply to host a probe: <https://atlas.ripe.net/apply/>

```
~ atlas yum install atlaswprobe
```

The terminal window shows the command `yum install atlaswprobe` being executed. Below the command, there are several progress bars of varying lengths, indicating the progress of the installation. The terminal window has a dark blue background and a light gray title bar with three colored window control buttons (red, yellow, green) on the left and the RIPE Atlas logo on the right.

RIPEstat Improvements



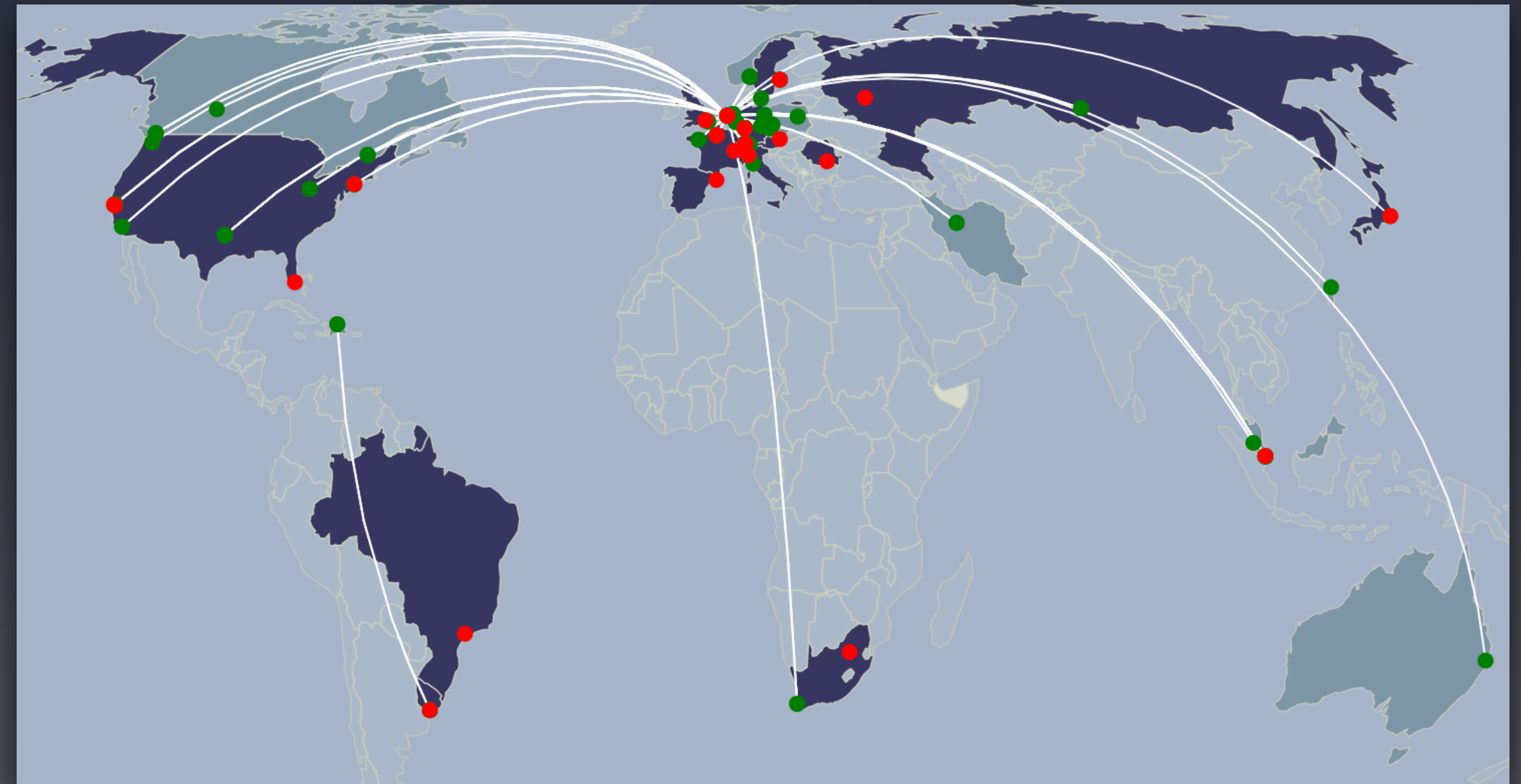
- New prototype UI (available now to all users) will replace the existing front end
 - Dynamic and context-specific information
 - Responsive and mobile friendly
 - Production launch at RIPE 81
- Collaborating with other RIRs on development:
 - AFRINIC (<https://airrs.afrinic.net/>)
 - APNIC (<https://netox.apnic.net/>)
 - LACNIC (<https://inforedes.labs.lacnic.net/>)

Routing Information Services (RIS)



RIS provides information for a safer, more stable Internet

- RIS Live lets users monitor and detect routing events anywhere in the world as they occur
- We are working to make sure users know exactly what RIS can do for them
 - Clear documentation on what RIS can offer
 - Ensuring all users know the benefits
- Where can RIS improve? Email: ris-users@ripe.net



RIPE NCC Certified Professionals



**IPv6 Fundamentals -
Analyst**
Launching in 2020



RIPE Database Associate
Available now



IPv6 Security Expert
Launching in 2020

- Certify skills by taking an online proctored exam
- Earn digitally verifiable badges
- Launched on 1 April
 - *RIPE Database (Associate)* the first badge
 - *IPv6 Fundamentals (Analyst)* coming next
- Three vouchers sent to each LIR
- Over 270 exams taken so far (74% pass rate)



Questions



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