



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

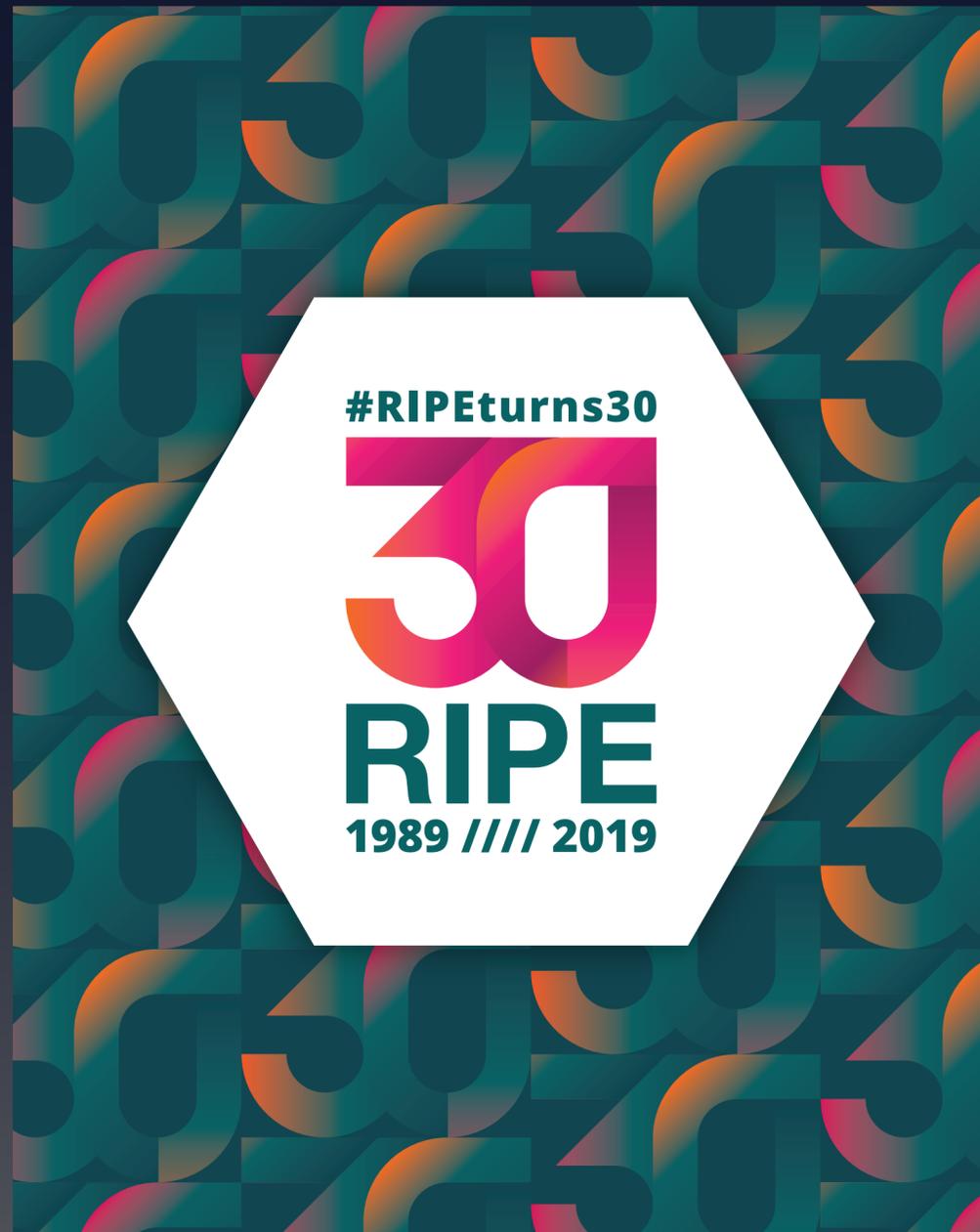
RIPE NCC Update 2019

SEE 8



A Few Introductions

The RIPE Community



- Founded in 1989
- Represents stakeholders in the Internet such as ISPs, academia, media companies, transit providers, and more
- YOU, our members, are a part of the RIPE Community!

The RIPE NCC



**RIPE
NCC**

RIPE NETWORK
COORDINATION
CENTRE

- We are the secretariat for the RIPE Community
- Members pay an annual fee to retain this membership
- Our job is to coordinate the activities of the RIPE Community e.g. meetings
- You - the RIPE Community - make the policies
- We, the RIPE NCC, implement them on your behalf

The RIPE NCC Executive Board



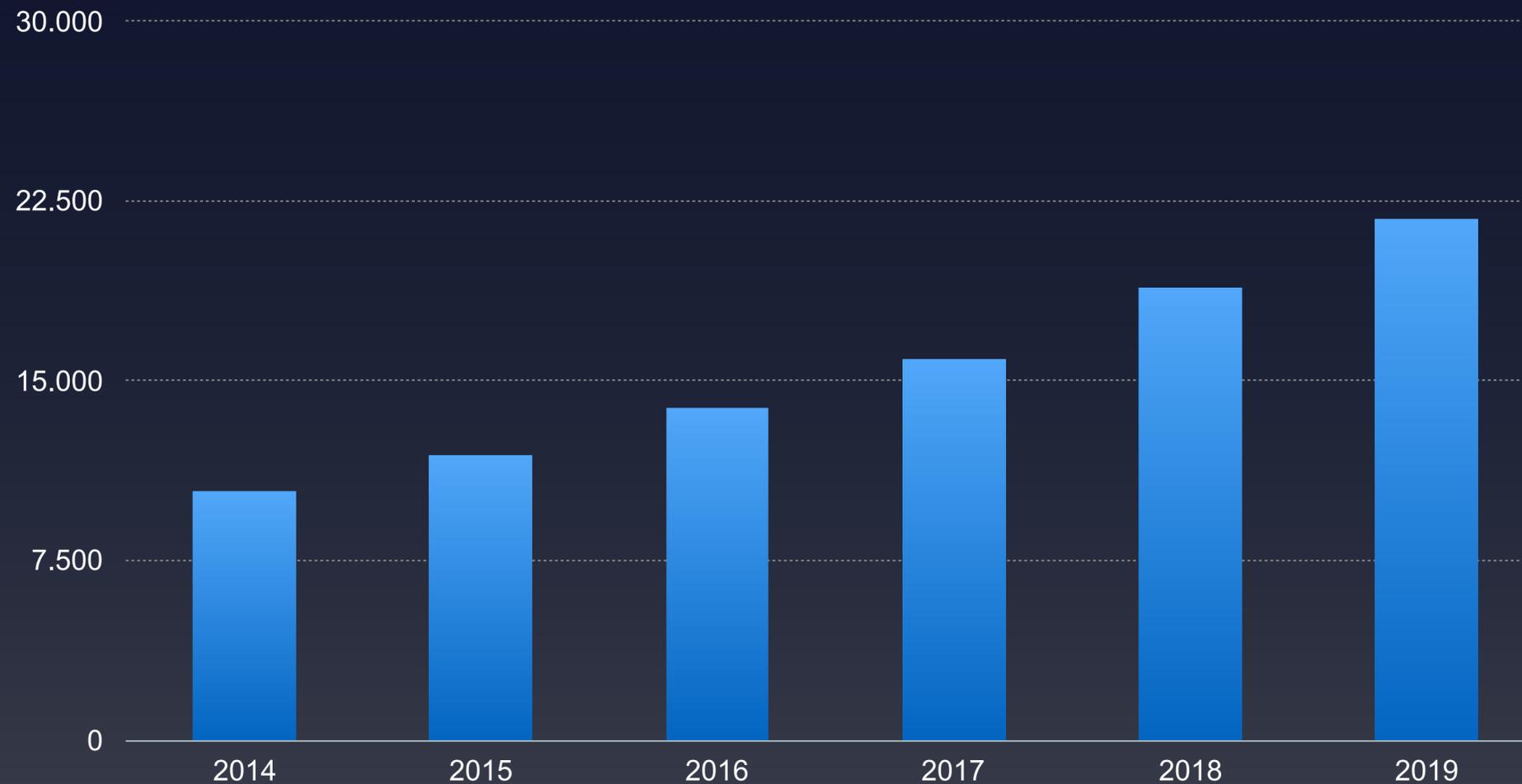
- The Executive Board is elected by you - the members
- They represent the membership and provide guidance to the RIPE NCC Senior Management
- Piotr Strzyżewski from the Executive Board is here at SEE 8



Statistics

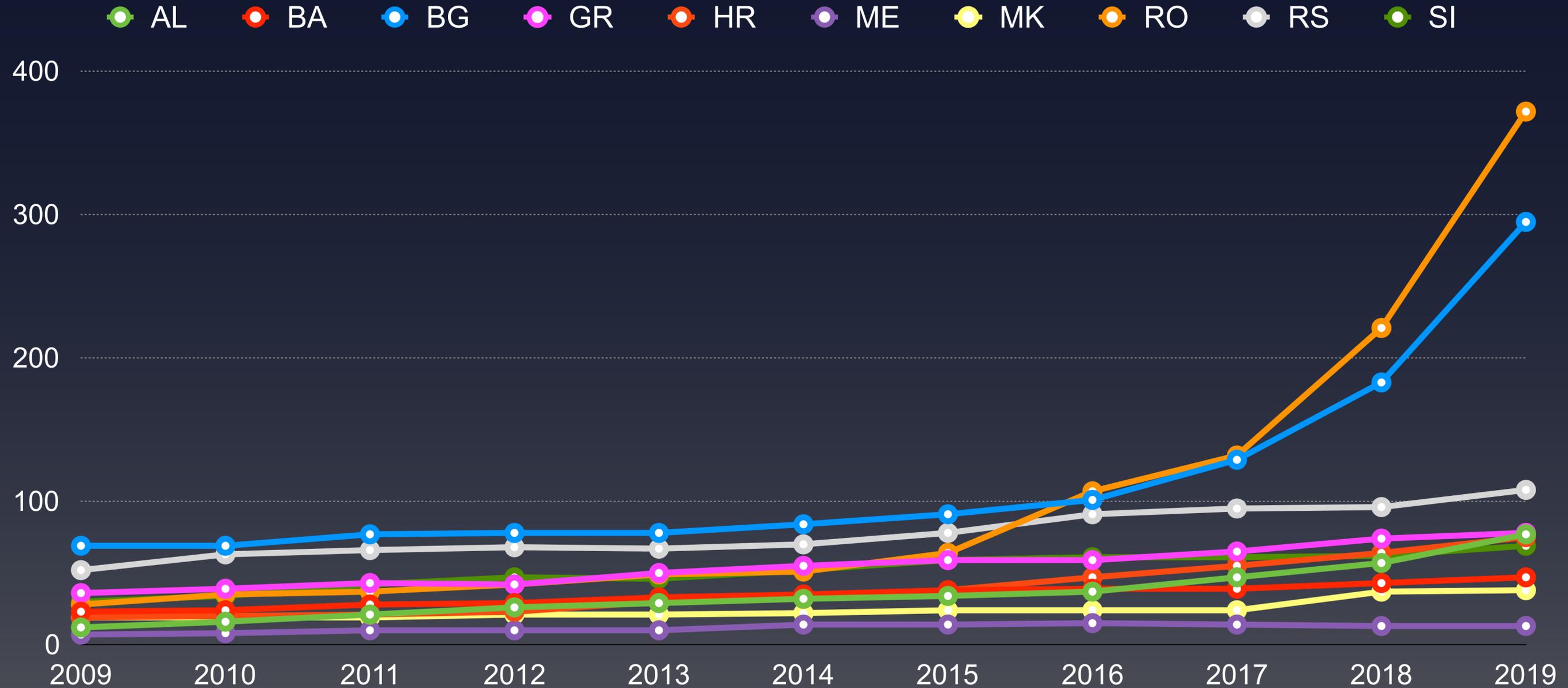
Members and Resources

RIPE NCC Membership Overview

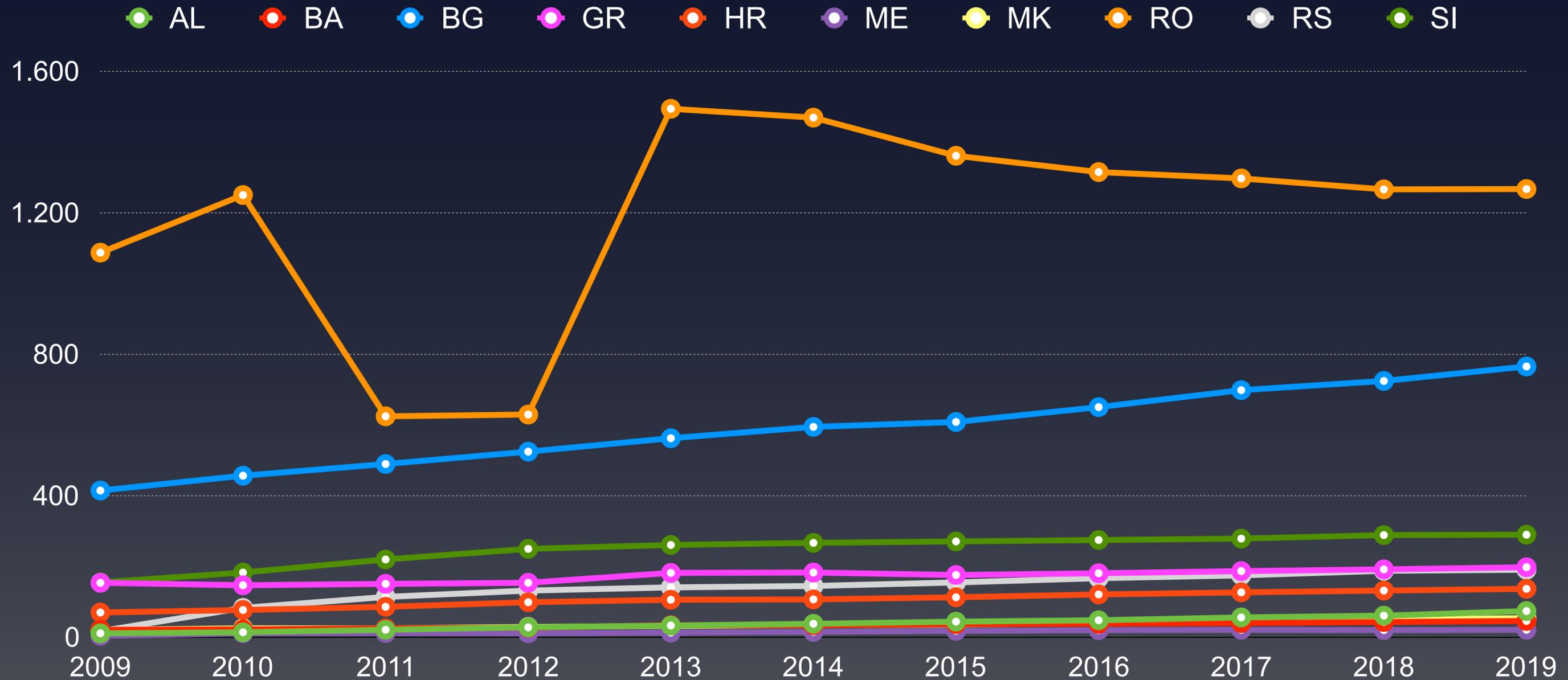


- **Unprecedented growth in 2018**
- **Membership projected to reach 24,000 LIRs by end 2019**

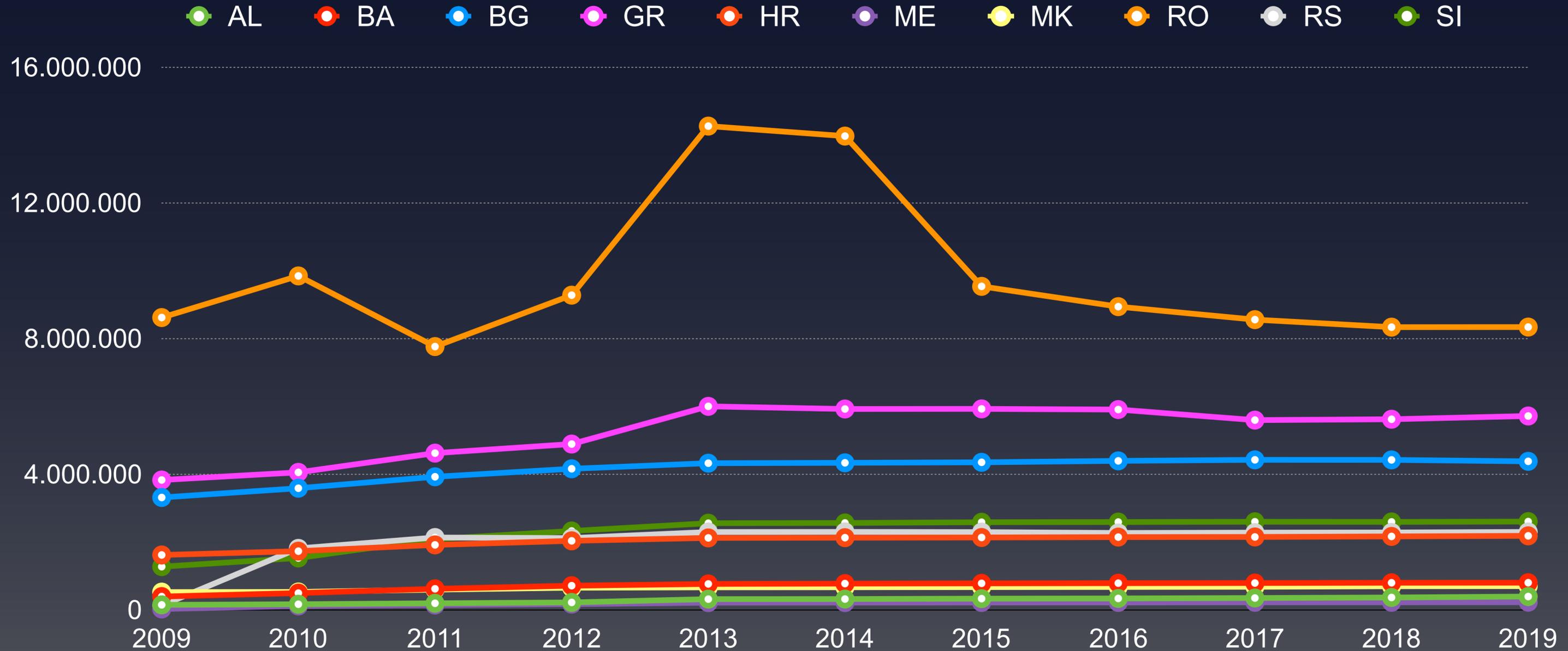
SEE Region LIR growth



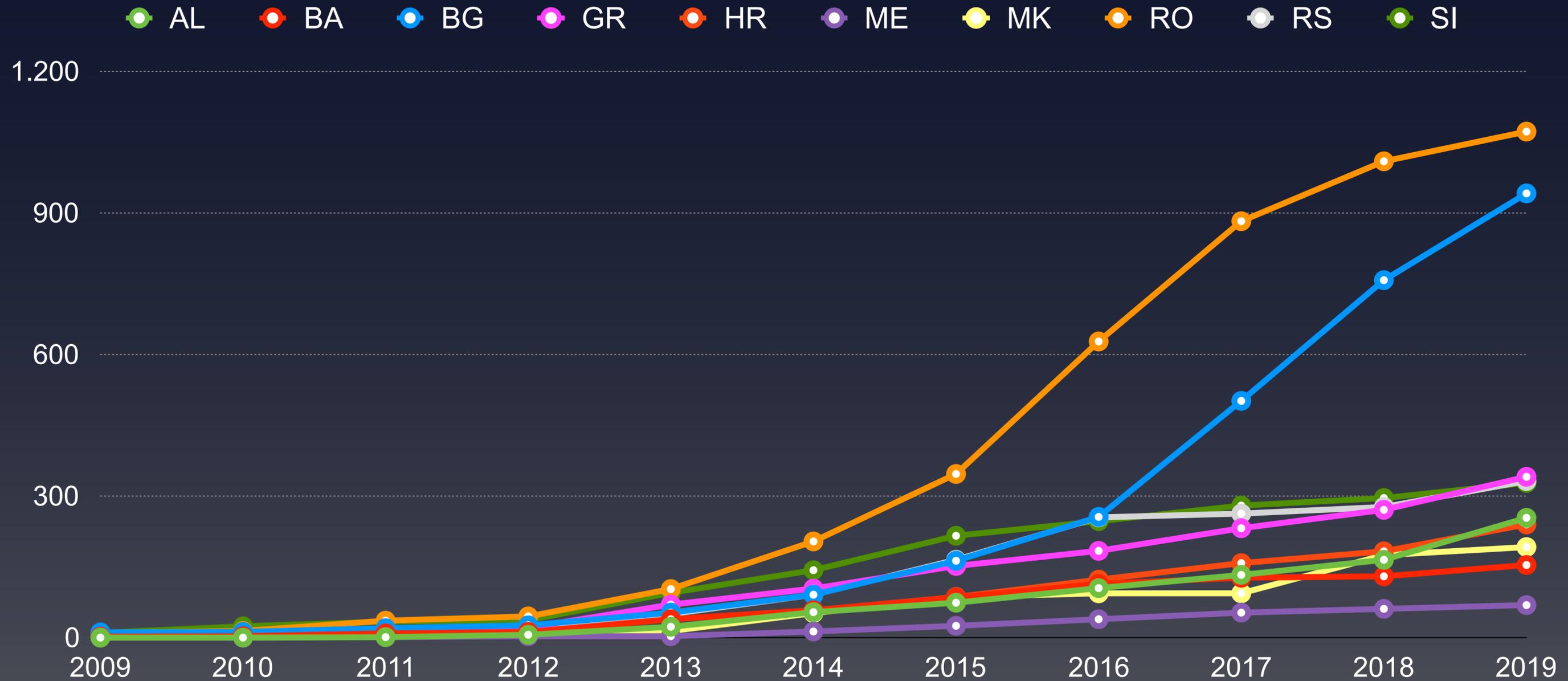
ASNs in SEE



IPv4 Addresses in the SEE Region



IPv6 /32s in the SEE Region

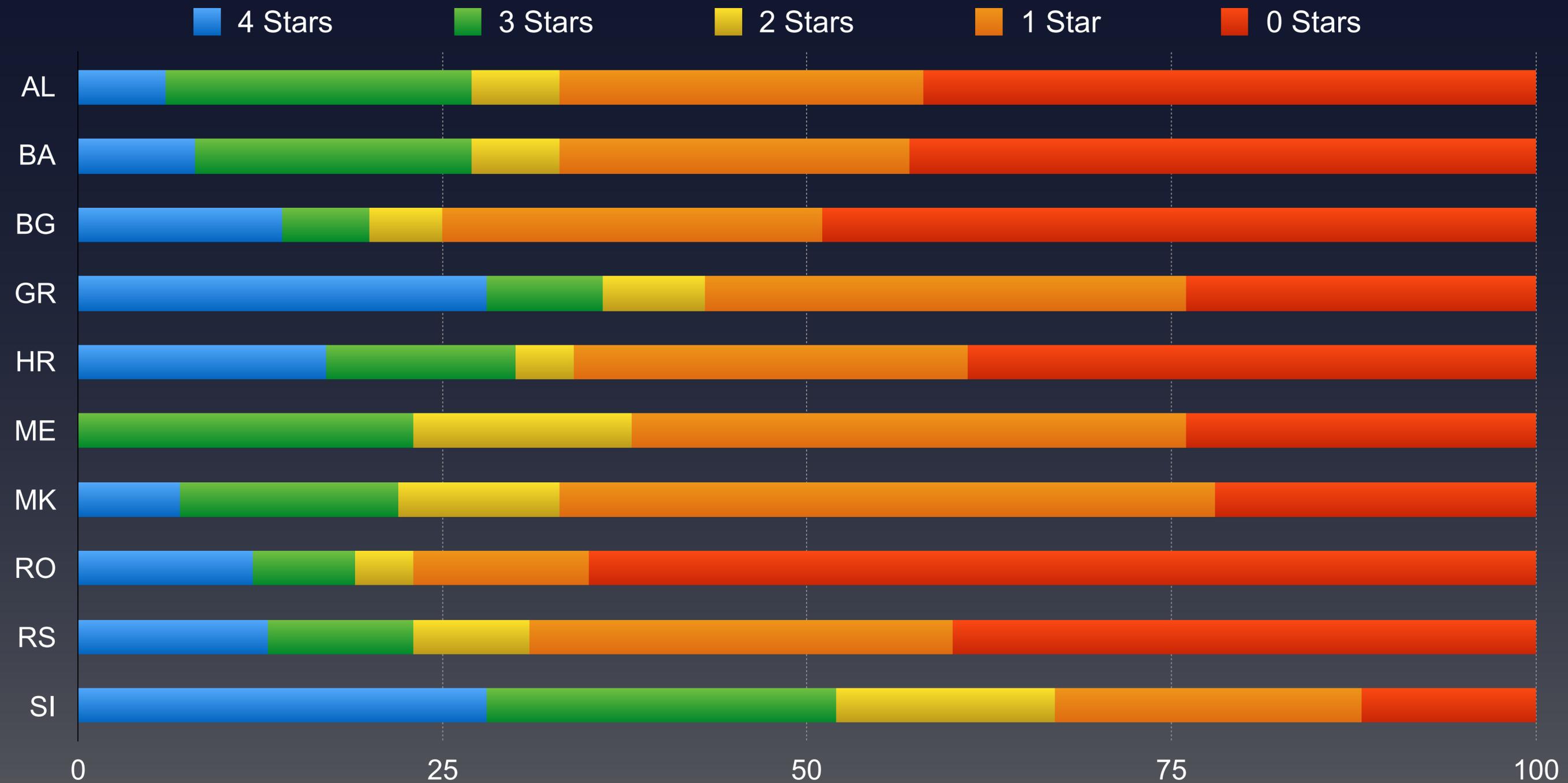


IPv6 RIPEness



- Awarding stars based on IPv6 preparedness
- **1 star:** Having an IPv6 allocation or assignment from the RIPE NCC
- **2 stars:** Visibility in the Routing Information Service (RIS)
- **3 stars:** Having a ROUTE6 object in the RIPE Database
- **4 stars:** Having a reverse DNS delegation set up
- There is now a fifth star for deploying IPv6 at the edge

IPv6 RIPEness in the SEE Region





Recent Activities

Our Strategic Focus for 2019



- Preparing for strong membership growth and anticipated fall-off after our IPv4 pool is finished
- Ensuring accuracy of the RIPE Registry
- Focus on due diligence and fraud prevention
- Adding value through our training services
- Providing neutral information, tools and measurements to support the RIPE community
- Strengthening the K-root server infrastructure

Due Diligence Procedures



- Strengthening of due diligence procedures
- There was a 106% increase in hijack investigations in 2018 compared to 2017
- More cases of fraud as IPv4 resources increase in value
- There is a thorough review procedure for LIR investigations
- Closures are taken very seriously, and after issuing warnings

Keep your contact details up to date!

Hijackers often target resources with outdated contacts!

Simplifying our Billing Processes



- Annual-only billing process from 2019
- A strong need to focus on efficiency as our membership continues to grow
- Support offered to help members with financial constraints make the transition
- Membership fee is much less than when quarterly payment options were first introduced (especially considering return of budget surplus to membership)

Policy Implementation: Abuse-C Validation



- Implementation started in February 2019
- Initial check of over 70,000 contacts
- Automated validation emails sent to abuse contacts that fail this check
- Manual follow-up by our staff if these abuse contacts are not updated
- LIR ORGANISATION and resource objects finished - now checking End User abuse contacts
- *Please look out for any emails from us about this!*

E-Learning



- Expanding our e-learning activities
- Webinars and a new online academic partnership model with the American University of Beirut (AUB)
- RIPE NCC Certified Professionals: Online certification programme through proctored exams
- Launching in late 2019 - early 2020

RIPE Atlas in 2019



- **Developing non-hardware solutions for RIPE Atlas**
 - New: RIPE Atlas VM anchors now available
 - Coming soon: RIPE Atlas software probes
- **RIPE Atlas tools and data**
 - Supporting new tools and visualisations for network operators
 - RIPE Atlas data enabling research and analysis
- **Get involved**
 - We need more probe coverage in the SEE region

Use our Tools and Services



- RIPE Atlas
- RIPEstat

You can learn to use these tools through our webinars and training courses.

Have you tried the Dashboard?



Choose one or more widgets to add to your dashboard ✕

Search for a specific widget

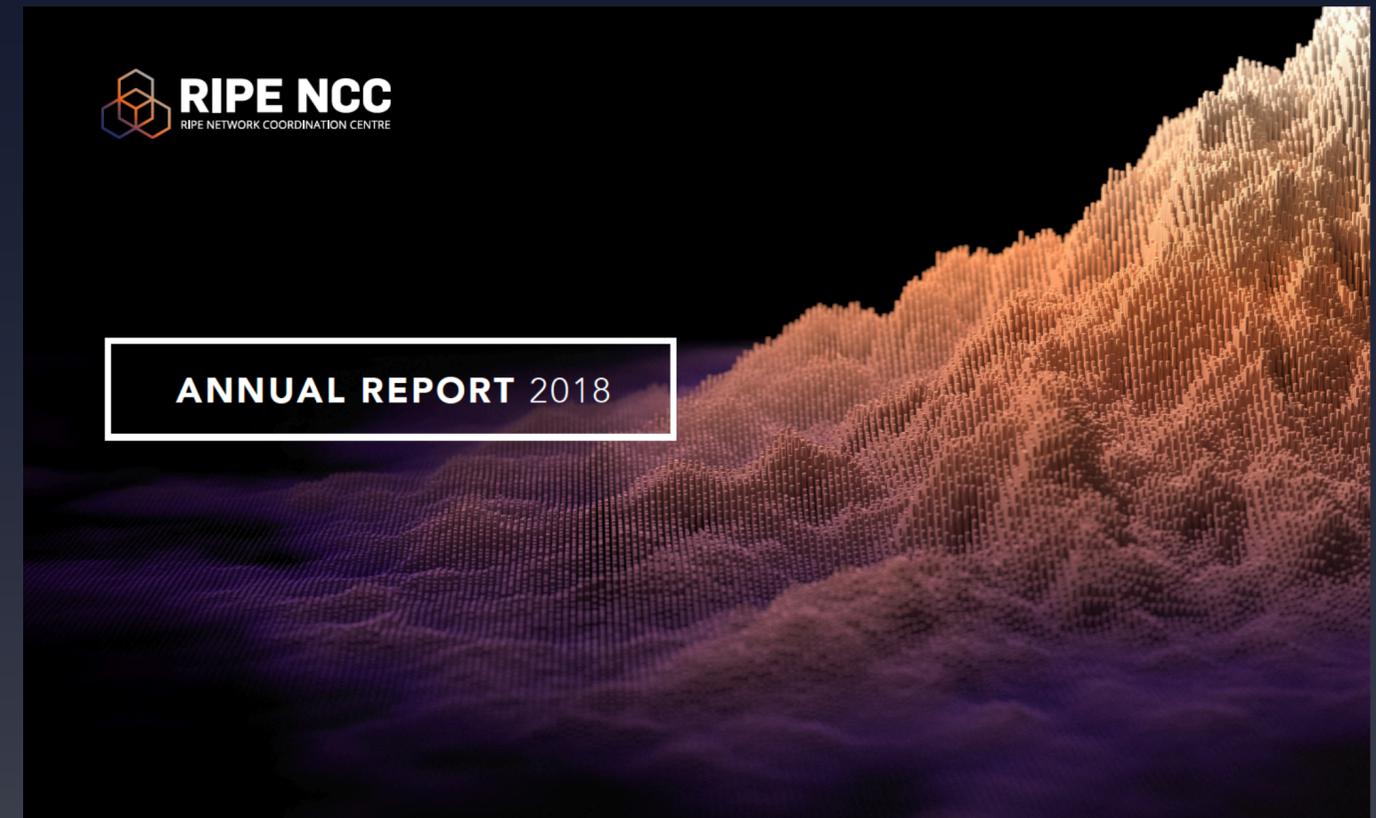
Bookmarks <i>Your bookmarked pages</i> + Add	Form Submissions <i>List of your form submissions</i> + Add	Internet Events <i>View upcoming events around the world</i> + Add
Latest Policy Proposals <i>Keep up with RIPE policy development process</i> + Add	Latest RIPE Docs <i>Access the most recent RIPE documents</i> + Add	Latest RIPE Labs Articles <i>Newest articles from RIPE Labs</i> + Add
My IP Address <i>View your IP address</i> + Add	My RIPE Atlas Credits <i>Keep track of your RIPE Atlas credits</i> + Add	My RIPE Atlas Measurements <i>Your measurements in one widget</i> + Add

- Customise the homepage on www.ripe.net
- Create your own dashboard and add the widgets that you need

RIPE NCC Annual Report 2018



- The RIPE NCC Annual Report 2018 and Financial Report 2018 have been published
- You can download the PDF from:
<https://www.ripe.net/publications/docs/ripe-718>

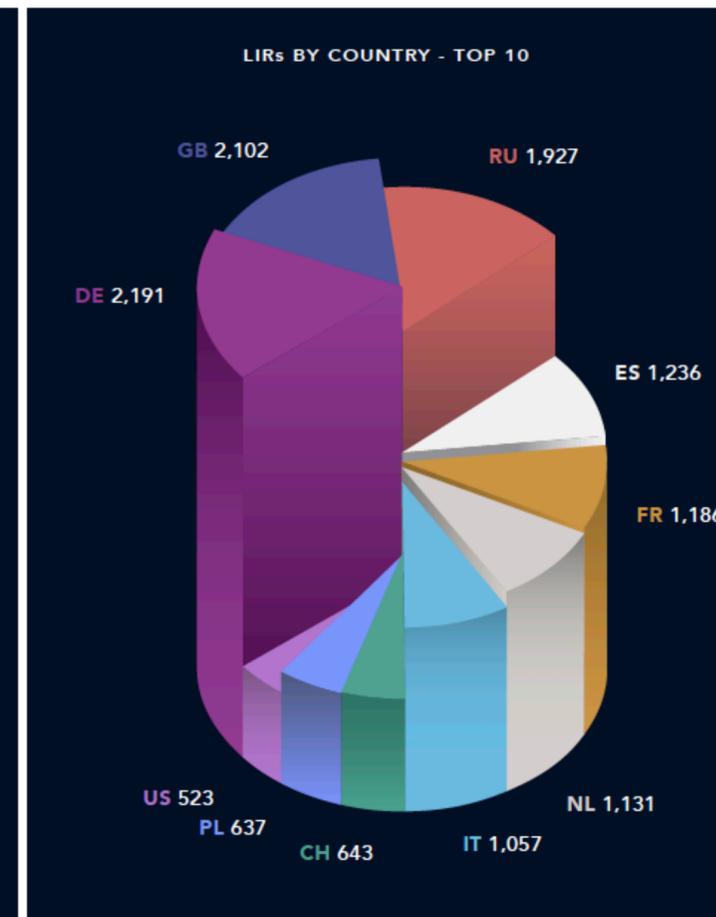
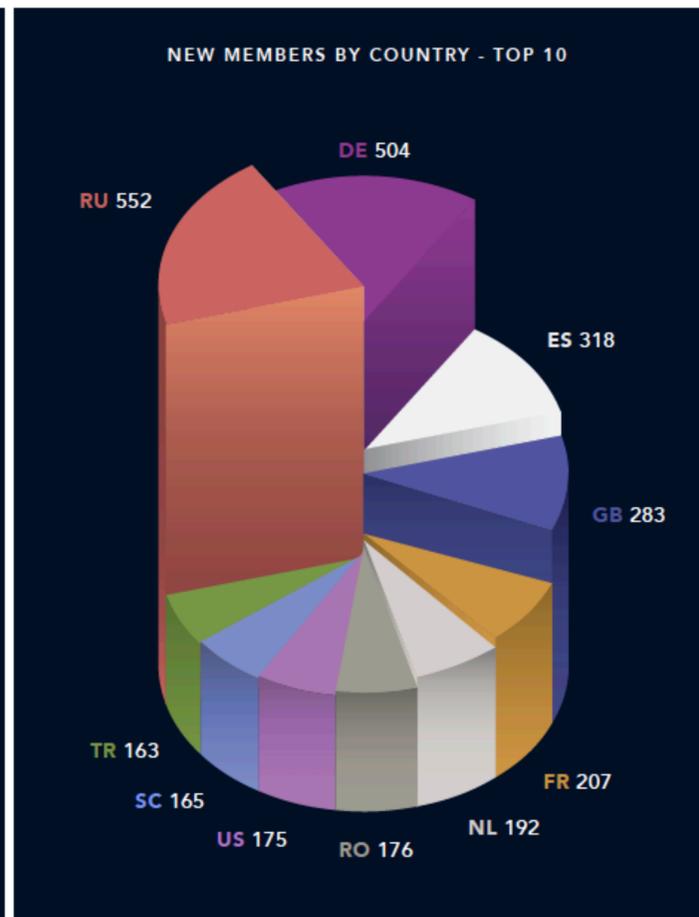
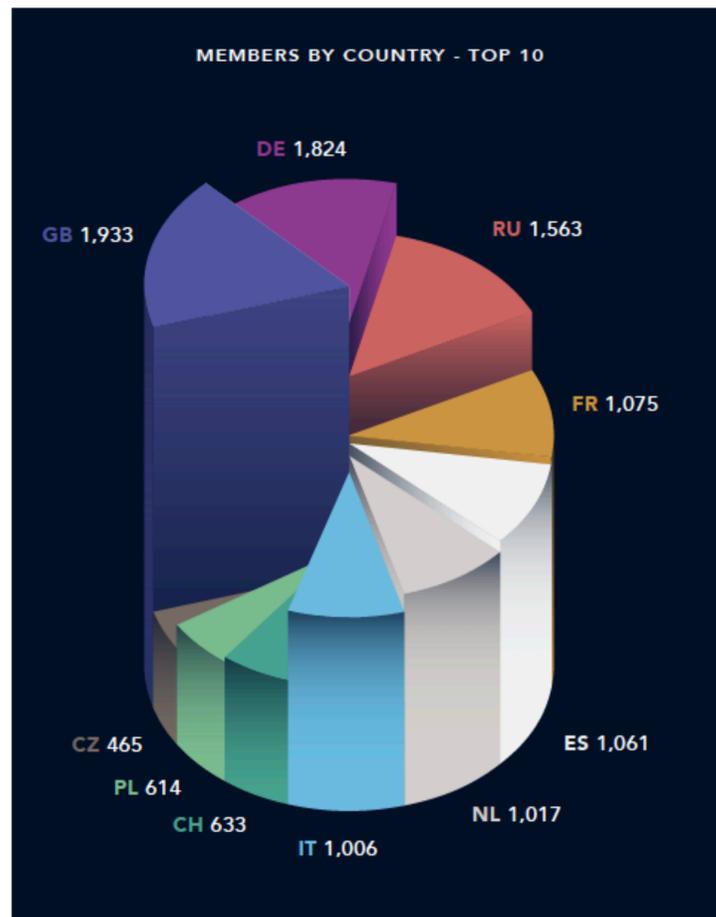


Get an overview of our activities in 2018



OUR DIVERSE MEMBERSHIP - AT A GLANCE

Total number of active LIRs	20,626	Member countries	117
Total number of active members	18,052	Members with an IPv6 allocation	13,460
New LIRs (4,232 active as of year end)	4,401		



Supporting Internet Communities



- We support NOGs - talk to us if you need some ideas
- NOGs can help with the sharing of best practices and expertise
- Local peering and local traffic routing can add efficiency

- SINOOG (2013)
- GRNOOG (2014)
- RONOOG (2014)
- RSNNOG (2014)
- BGNNOG (2015)
- ALNOOG (2017)

<https://labs.ripe.net/nogs>



RIPE Community

RIPE Community Developments



- RIPE Community Report 2018
 - https://labs.ripe.net/Members/hans_petter_holen/ripe-community-report-2018
- RIPE Chair Replacement Procedure (v.05)
 - A Selection Committee of RIPE community volunteers selects new chairs
 - A new Vice Chair role is established
 - Introduces five-year terms with a two-term limit
 - Community aims to reach consensus at RIPE 78
 - Discussion on ripe-chair-discuss@ripe.net

Current Policy Proposals



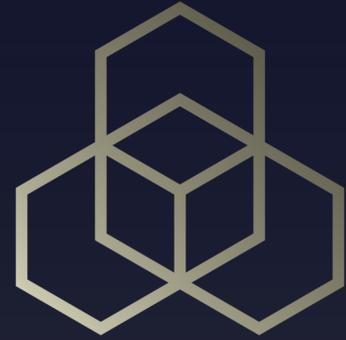
- **2018-06:** Aims to delete non-authoritative objects in the RIPE IRR if they conflict with an RPKI ROA
- **2019-01:** Clarification of the definition of “Assigned PA”
- **2019-02:** Aims to reduce the IPv4 allocation size to a /24 once the RIPE NCC is unable to allocate contiguous /22 ranges
- **2019-03:** Defines BGP Hijacking as a violation of RIPE policy

<https://www.ripe.net/participate/policies/current-proposals/current-policy-proposals>

Policy Participation from SEE Region



- We want to see more participation from the South East Europe region!
- Policy discussions are open to the whole community
- You can follow them on the mailing lists
- Follow the SEE Mailing list as well: see-regional@ripe.net
- Every voice is equally important!



Have Your Say

Meet us for a Member Lunch



RIPE NCC Member Lunch

Kharkiv, Ukraine | February 2019

- Upcoming Member Lunches in 2019
 - Ljubljana: 19 July 2019
 - Rijeka: 22 July 2019
 - Sofia: 26 August 2019
 - Tirana: 28 August 2019

Photo from a recent Member Lunch in Kharkiv, Ukraine

RIPE NCC Survey: Tell us what you think!



- Our last survey gathered input from 4,400 people
- Crucial for guiding our strategy
- This will be our last survey before IPv4 exhaustion
- Survey launches at RIPE 78 in Reykjavik
- Much shorter and more streamlined than the previous version
- Please participate!



We Act on Your Feedback

- Concrete actions are taken with your input
- We produce a list of actions that result from your survey responses and report back on our progress
- You can see the actions taken after the last survey:
<https://www.ripe.net/survey2016/key-findings>



Complete



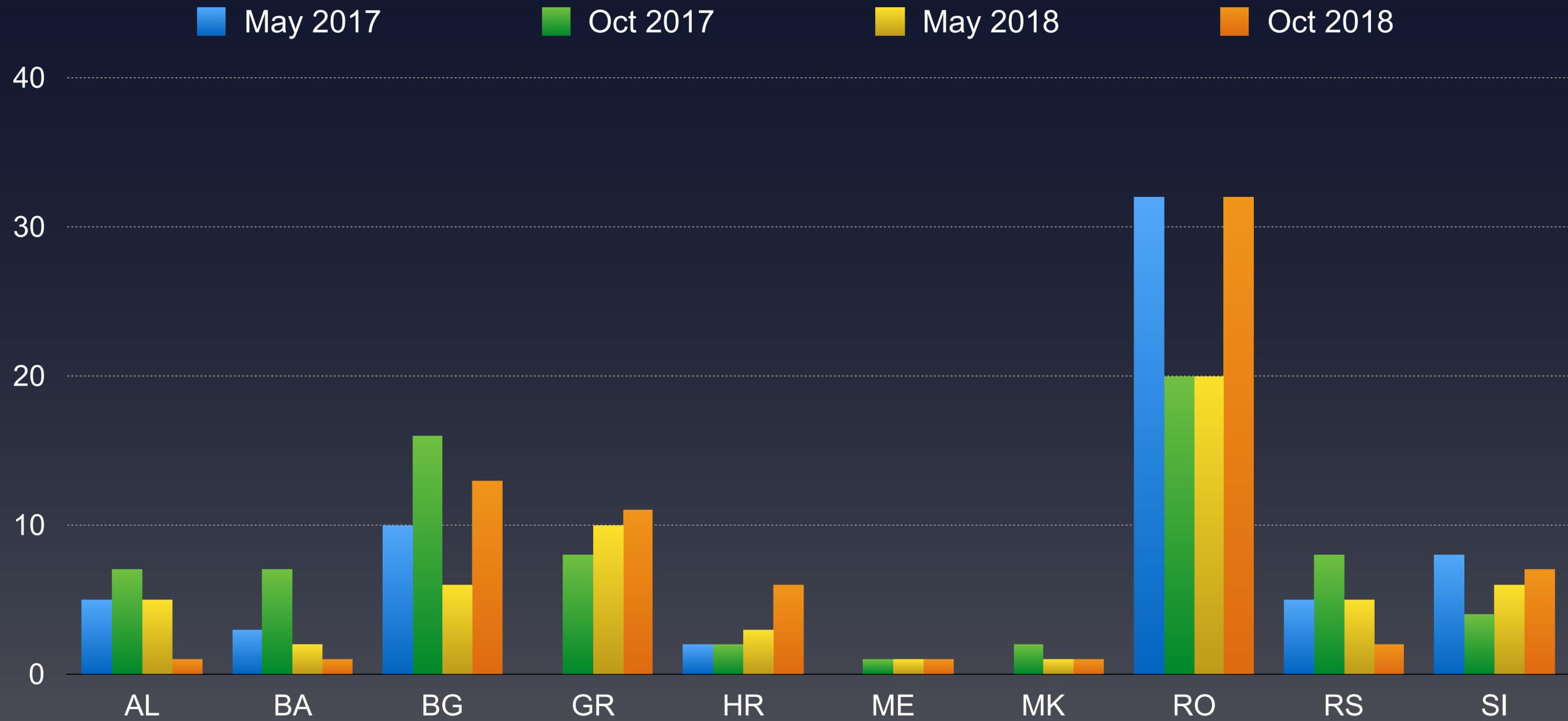
In progress

Have your say

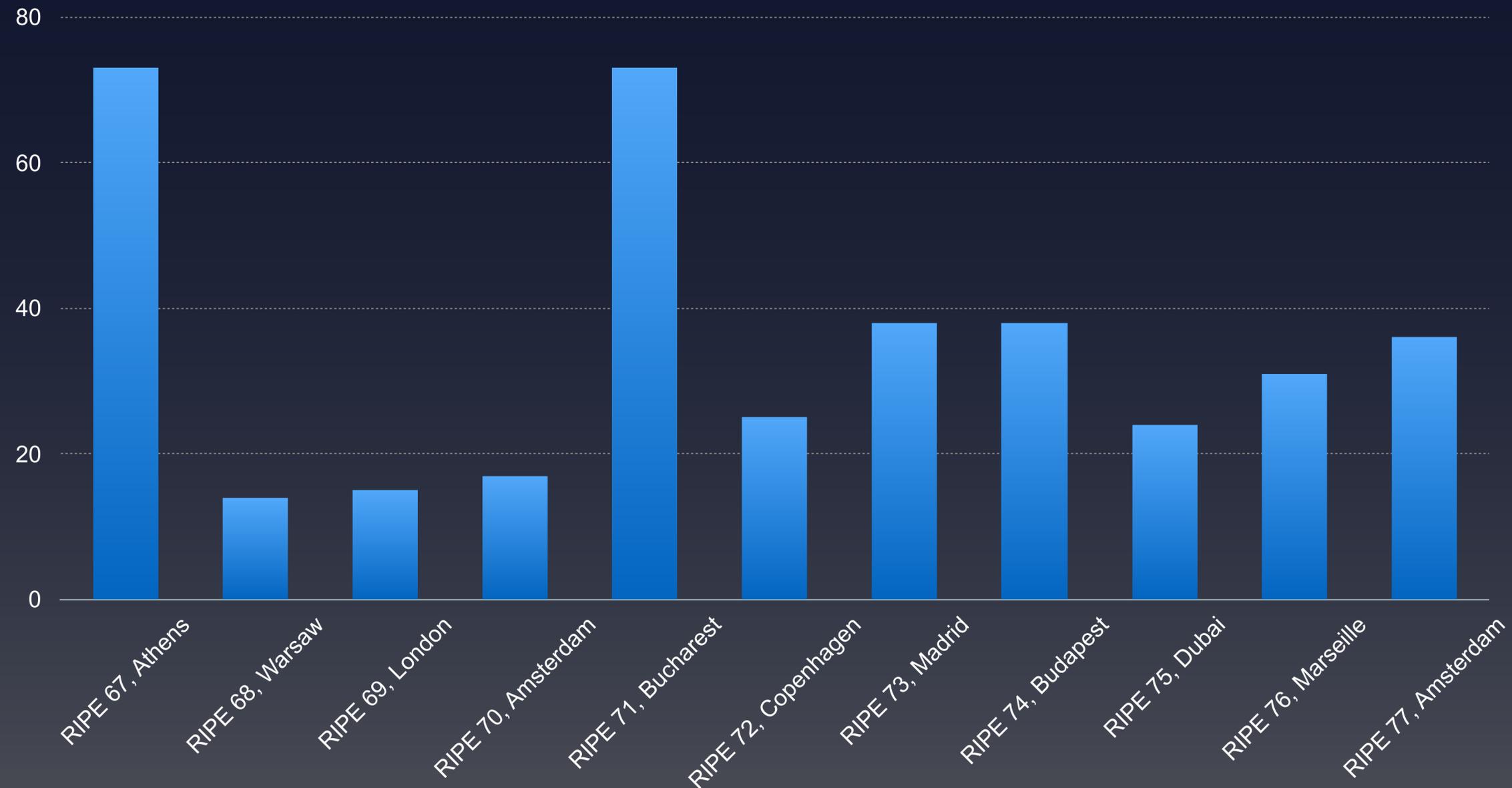


- **Your participation in the General Meeting decides:**
 - Who is elected to the RIPE NCC Executive Board
 - What the Charging Scheme will be
 - What activities the RIPE NCC should prioritise
- **Registrations are open for the next GM taking place from 22-24 May 2019**
- **Watch the GM via webstream, vote electronically**

GM Participation from the SEE Region



RIPE Meeting Participation from SEE Countries



Get Financial Support To:



- **Present your research**
 - RACI funding
- **Attend a RIPE Meeting**
 - RIPE Fellowship funding
- **Run a project**
 - RIPE NCC Community Projects Fund





Questions



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