



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

RIPE NCC Update 2019

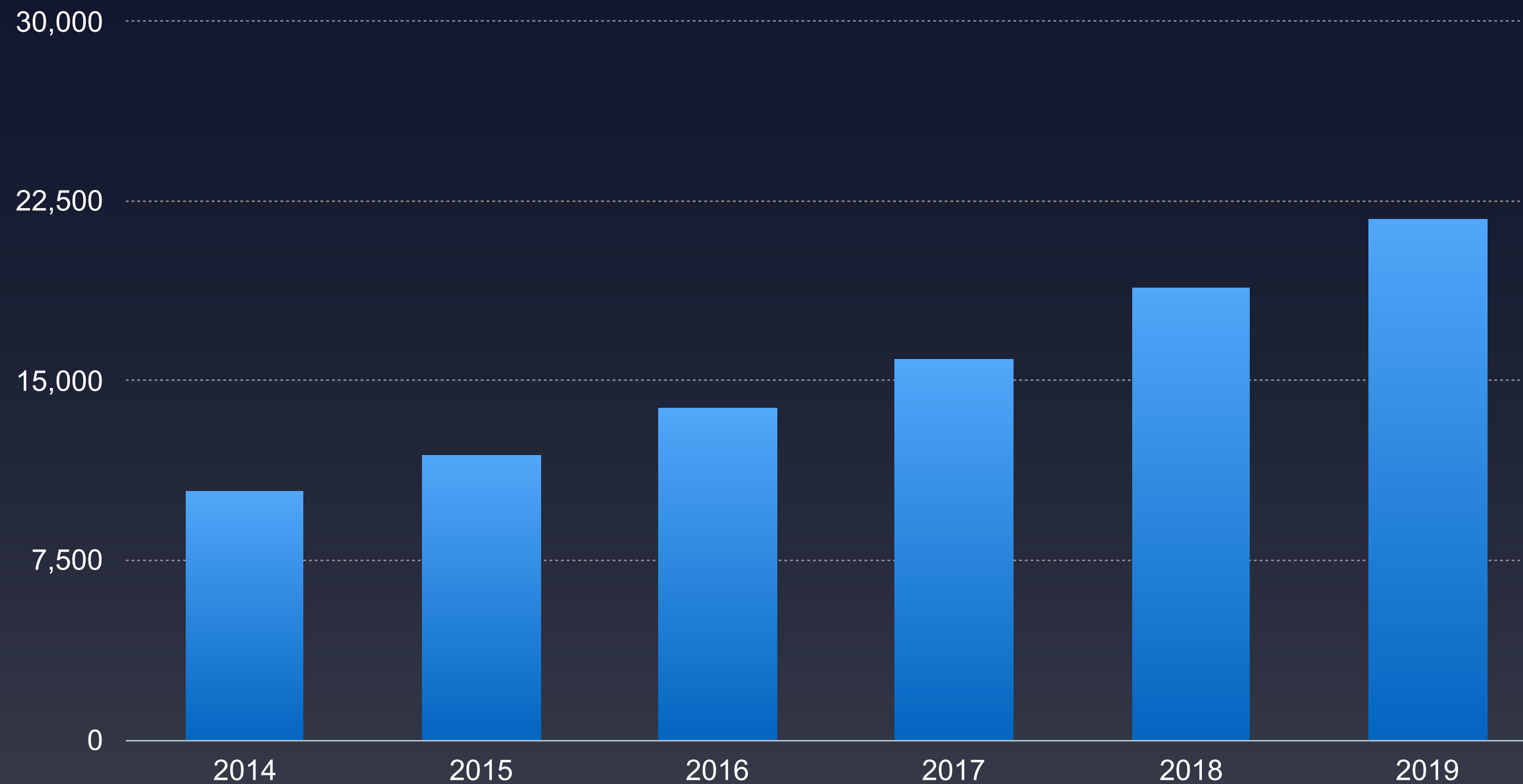
MENOG 19



Statistics

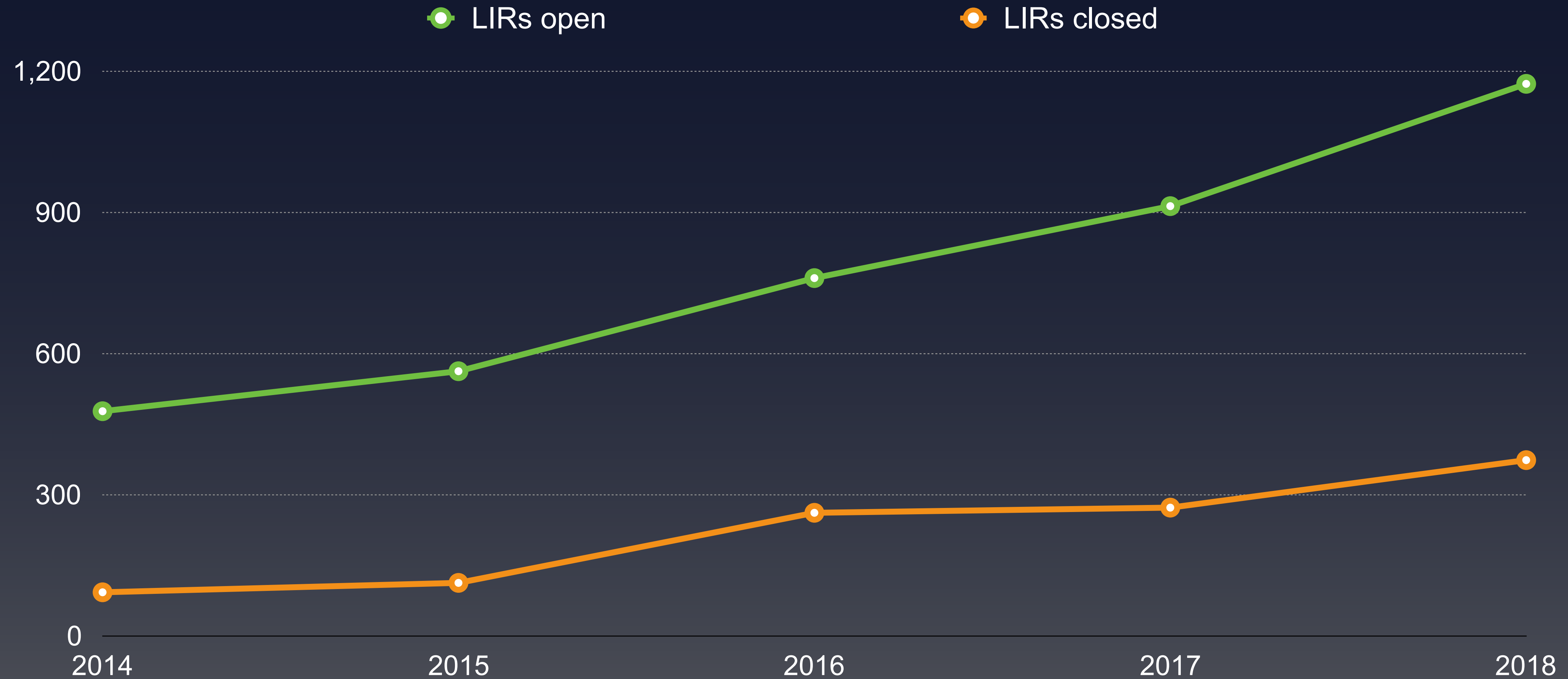
Members and Resources

RIPE NCC Membership Overview

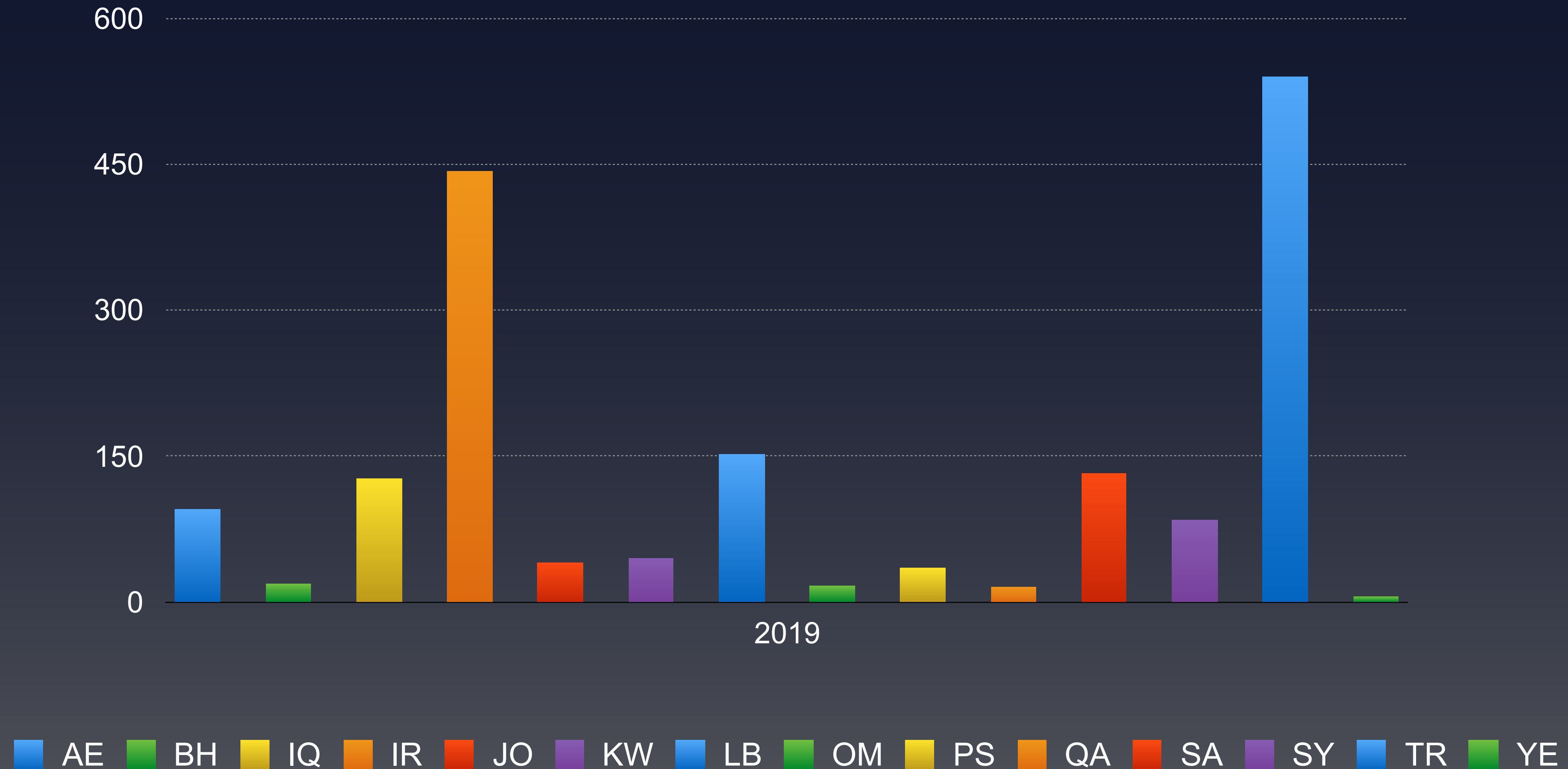


- **Unprecedented growth in 2018**
- **Membership projected to reach 24,000 LIRs by end 2019**

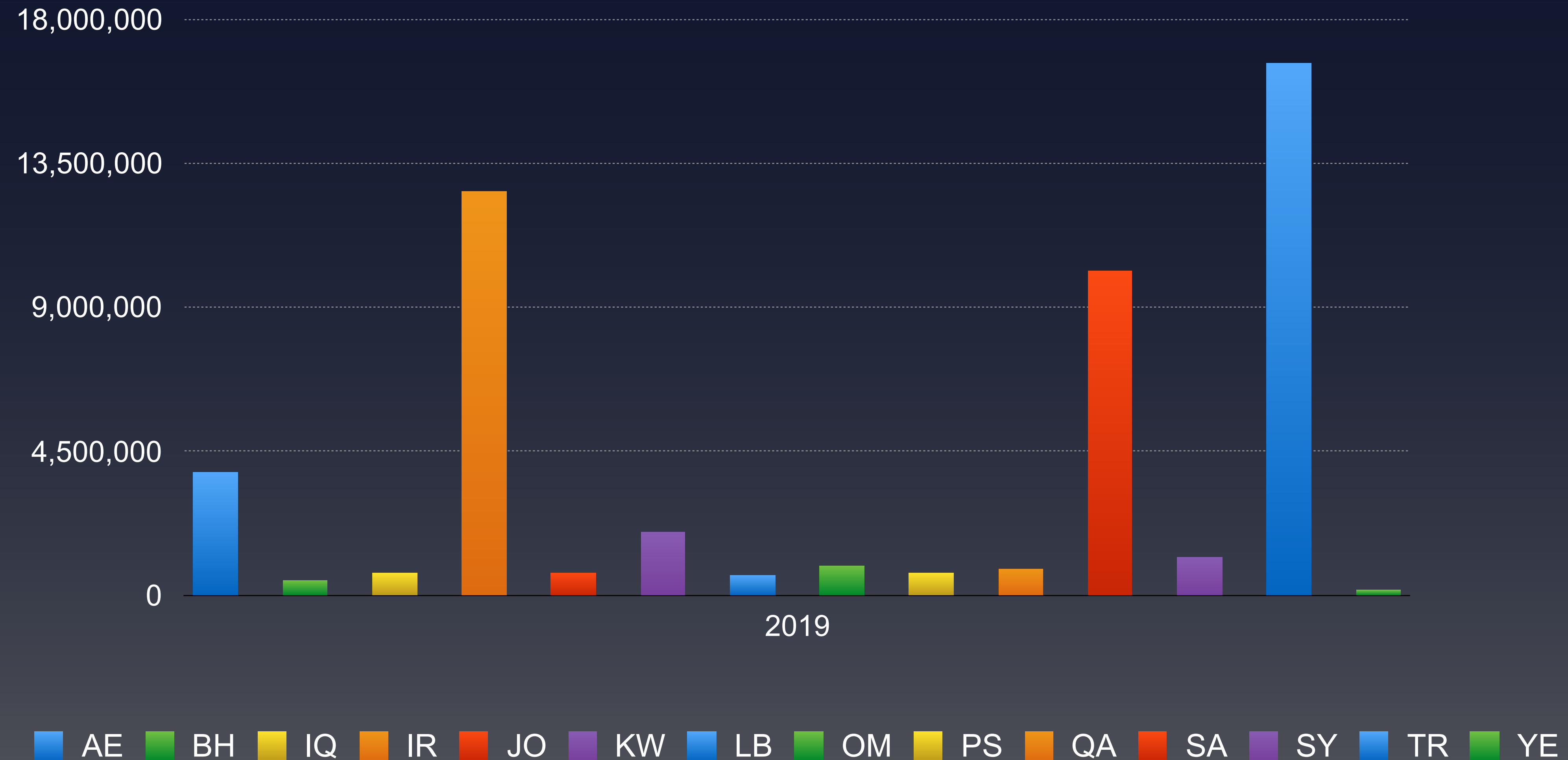
MENOG Membership Overview



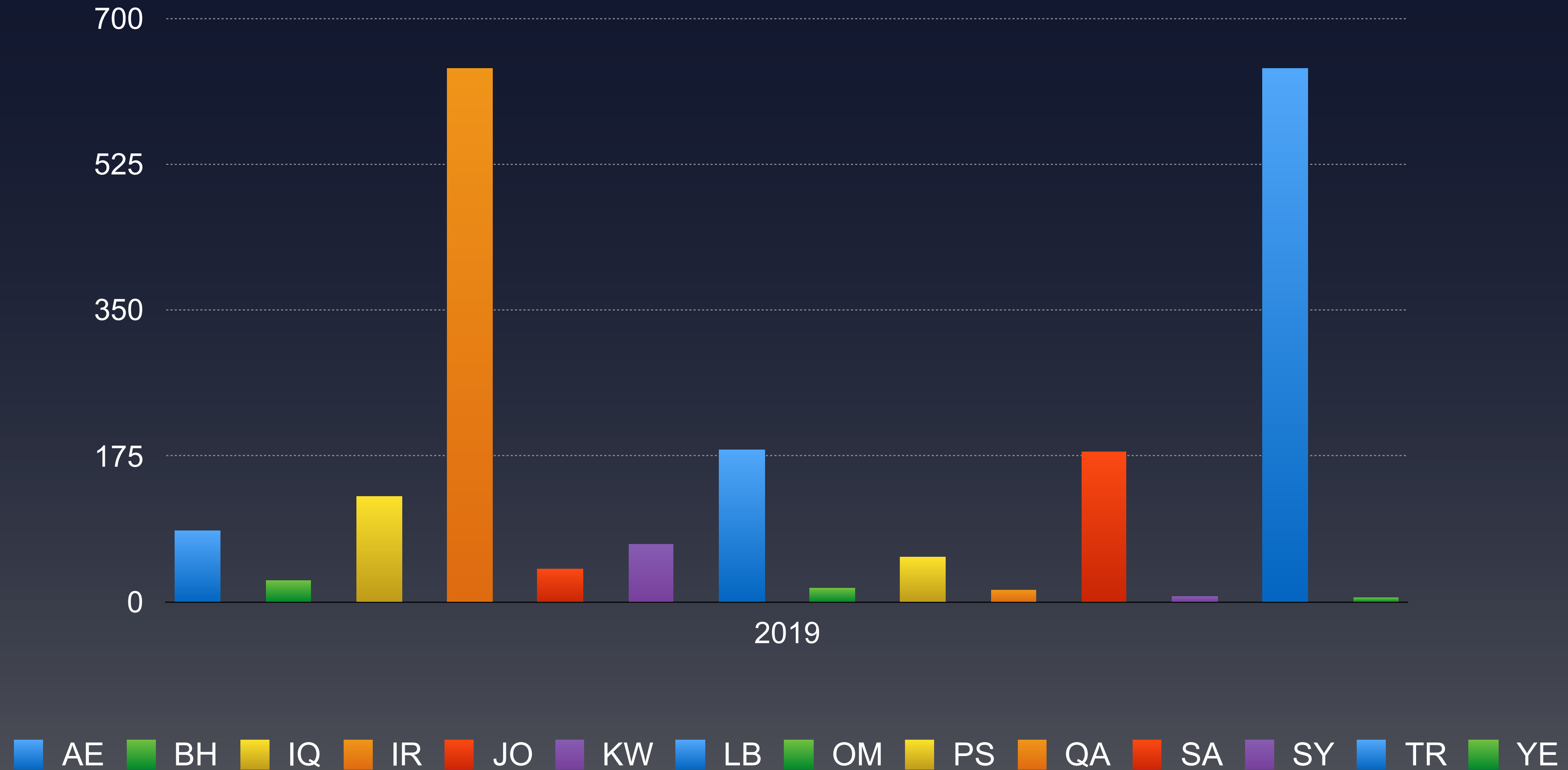
Membership in the Middle East



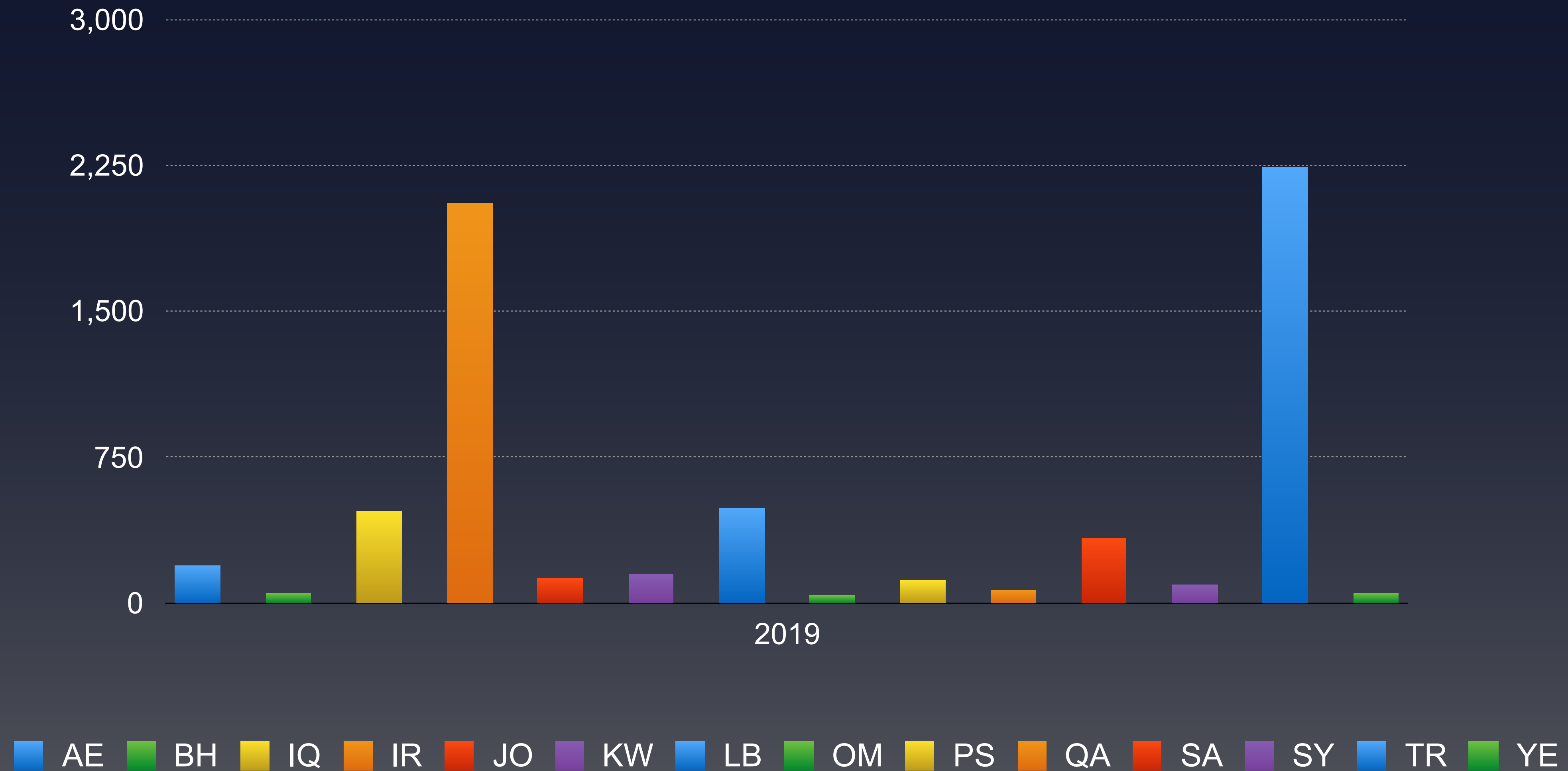
IPv4 Addresses Overview



ASNs Overview



IPv6 /32s

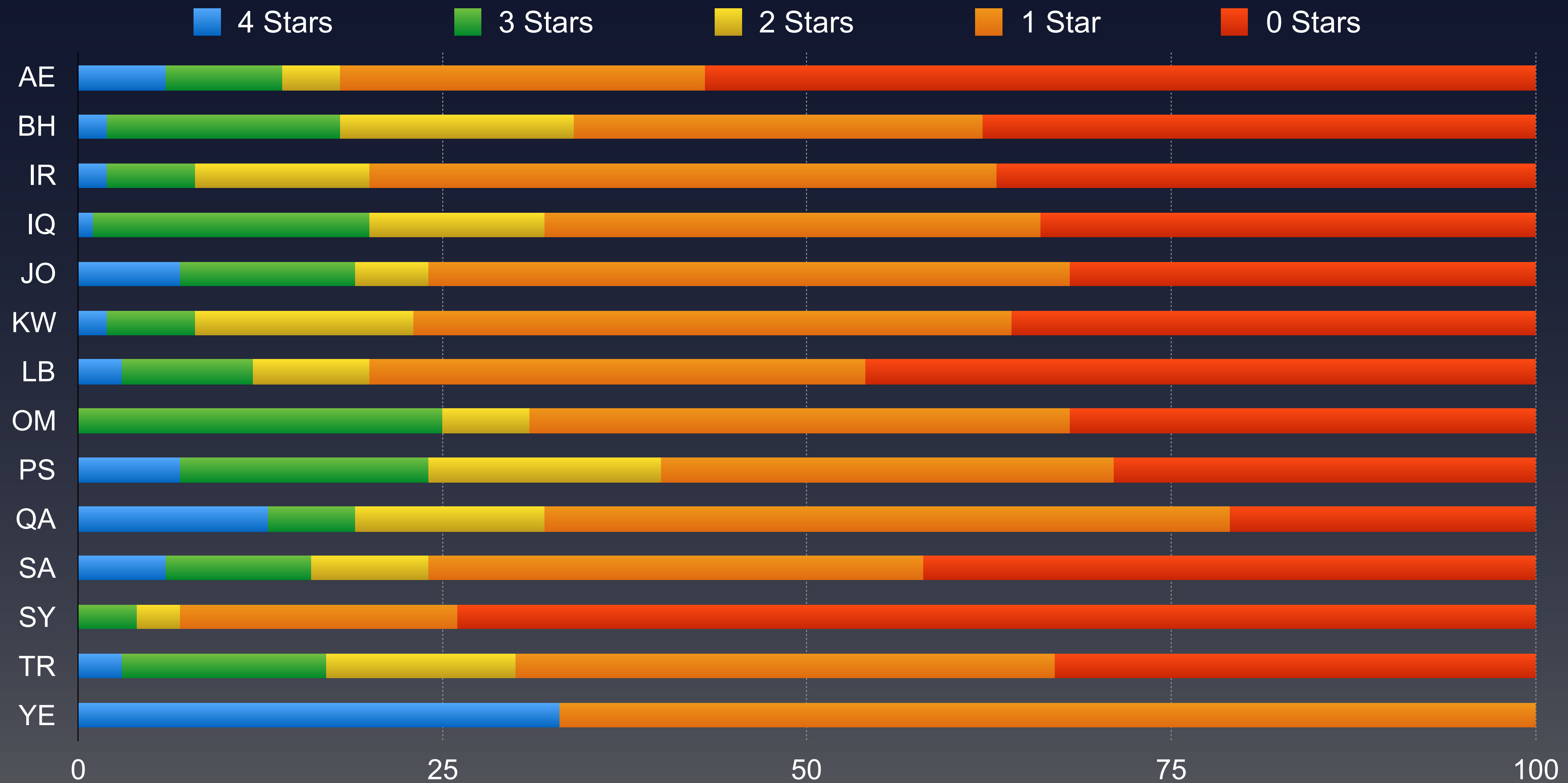


IPv6 RIPEness



- **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 MENOG 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**

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)**

Outreach in the MENOG region



- **Government Roundtable held in Saudi Arabia in Dec 2018**
- **Saudi Arabia country report published at the Roundtable**
- **Member lunch in Dubai in 2018**
- **Roundtable discussion on online security for banks, and “IPv6 Week” held in Lebanon**
- **Face-to-face training courses held in Dubai, Muscat, Riyadh, Beirut, Doha, Istanbul, Amman in 2018**

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
- *Please check the abuse contacts for your LIR and customers and 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)**
- **Remote, online certifications for RIPE NCC e-learning courses**
- **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 Middle East!

Supporting NOGs



- We support NOGs - talk to us if you need some ideas
- NOGs support Internet development and coordination
- Local peering and local traffic routing can add efficiency
- NOG section on RIPE Labs:
 - <https://labs.ripe.net/nogs>



Logo IRNOG courtesy its Facebook page



RIPE Policy Development

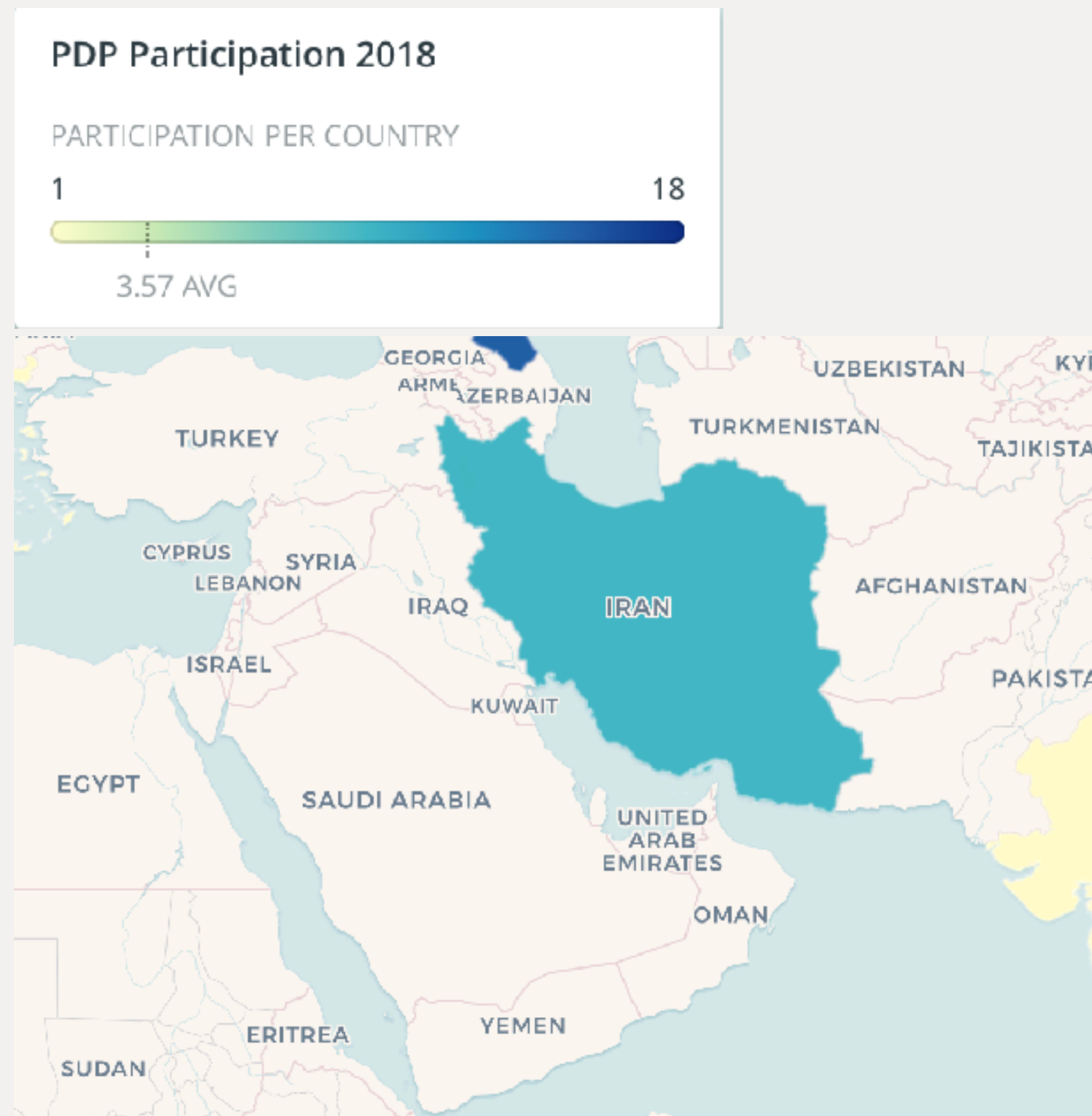
Current Policy Proposals



- **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/>

Policy Participation from MENOG Region



- We want to see more participation from the Middle East and the Levant!
- Policy discussions are open to the whole community
- You can follow them on the mailing lists
- Every voice is equally important!



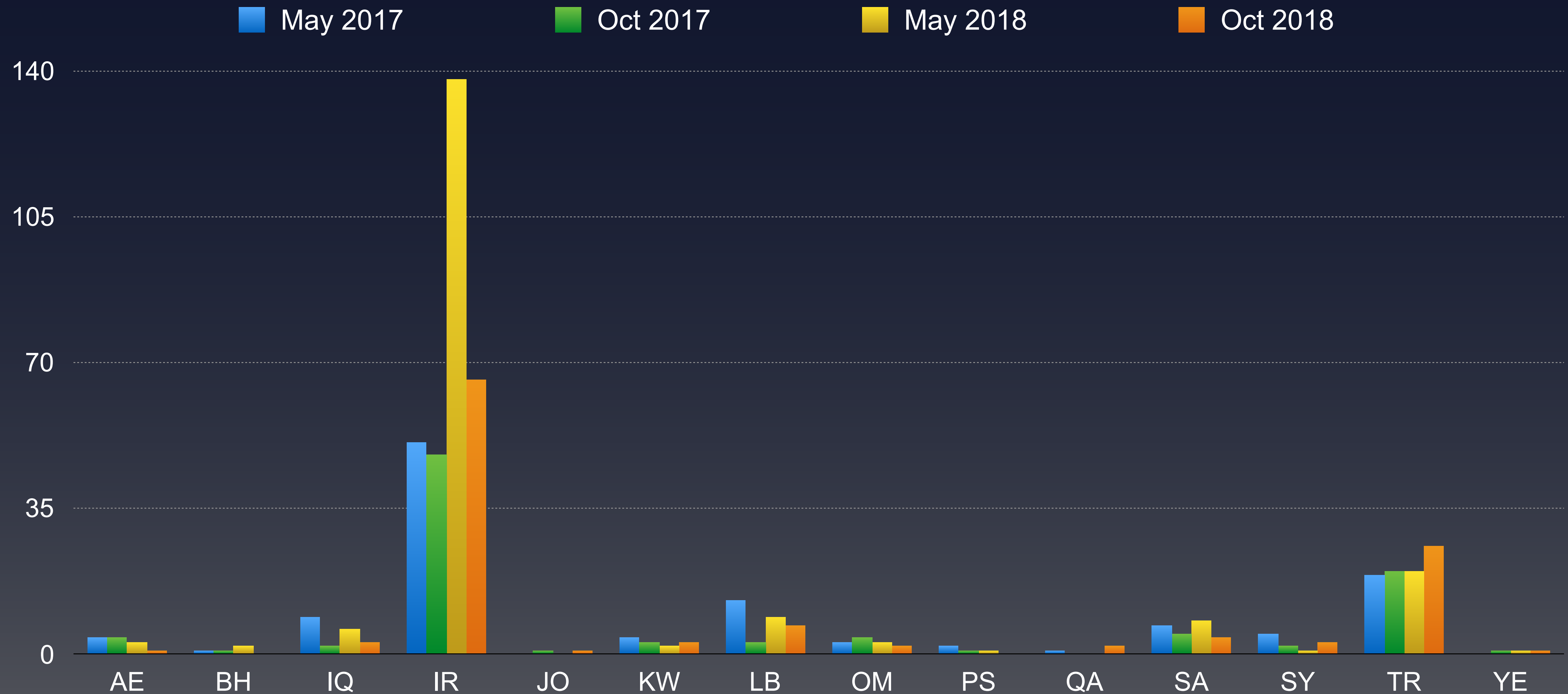
Have Your Say

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 MENOG Region



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

Use our Diagnostic Tools and Services



- RIPE Atlas
- RIPEstat
- RIPE IPMap

You can learn to use them through webinars and training courses.

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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