RIPE NCC Update

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Managing Director

About the RIPE NCC

- Secretariat for the RIPE community

- Maintains the RIPE Database

- One of the five Regional Internet Registries (RIRs)

  - Serving Europe, the Middle East and parts of Central Asia

  - 76 countries

- Allocate and assign IPv4 and IPv6 addresses and also assign AS Numbers

- Outreach, tools, measurements, training and more!

About the RIPE NCC

- Independent, not-for-profit, bottom-up membership organisation

- Anyone can become a member

- Incorporated in the Netherlands, governed by Dutch law

- Funded by members, fully autonomous

- Open, transparent, neutral and impartial

- Headquarters in Amsterdam

  - Office in Dubai, staff in Moscow

  - Around 140 staff members

Growing Membership

Total Number of LIRs

13,500 Members
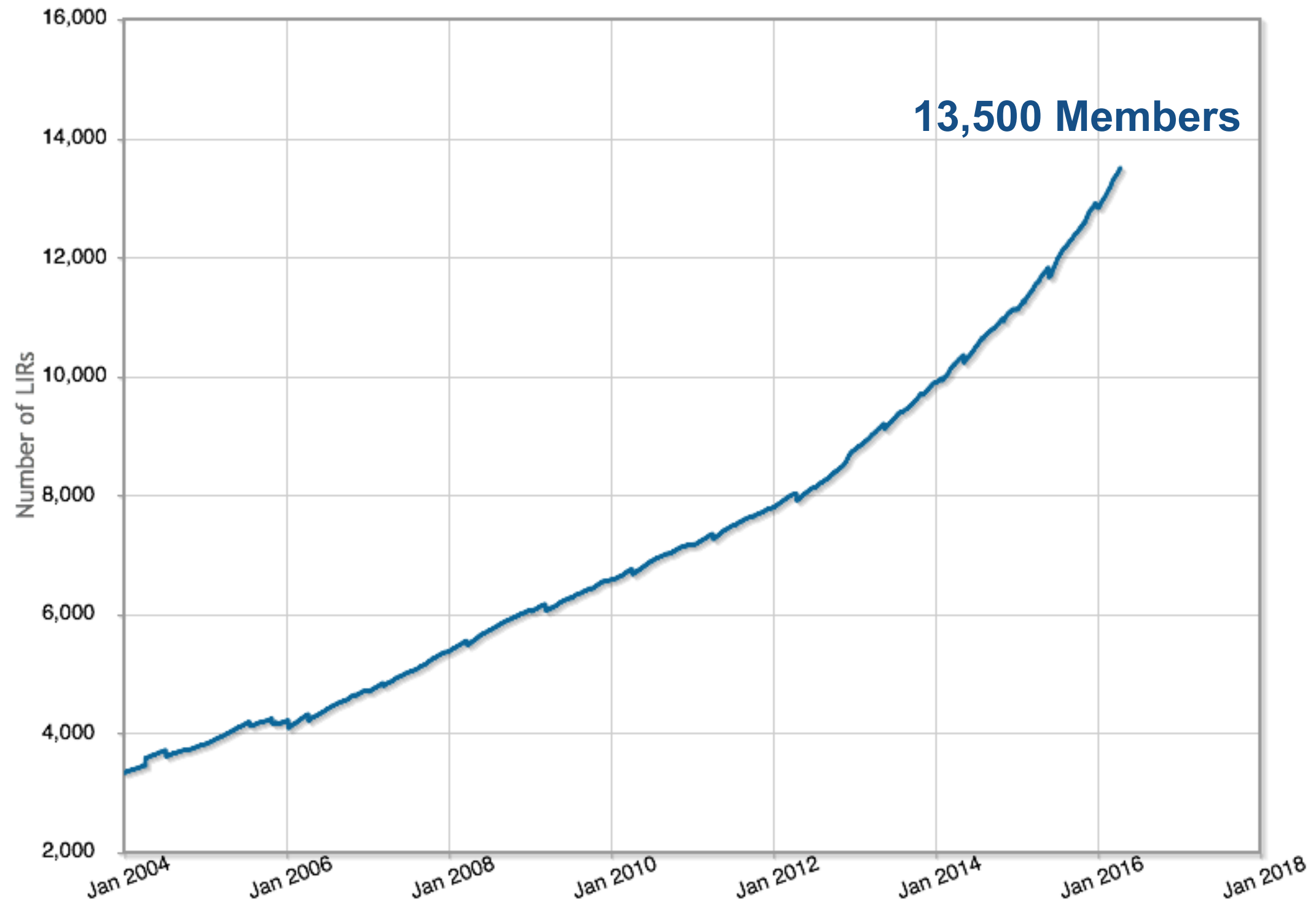
Focus in 2016

- Maintaining a strong registry

- Effective outreach and external relations throughout our service region

  - Regional meetings, member lunches, training etc.

- Improving our entire service offering

- Improving our processes for greater efficiency

- Focus on collecting and acting on member feedback

RIPE NCC Regional Presence

- More focus on RIPE NCC Regional Meetings and community events

- Supporting NOGs throughout our service region

- Engaging with governments in the region, particularly on issues concerning regulation, industry trends and Internet development

IPv6 Status

- Over 70% of our members have IPv6 address space

- Providing technical, hands-on IPv6 training courses

- Improving our online IPv6 training and webinars

- IPv6 Roadshows - currently in MENOG region, expansion into ENOG region planned for 2016

IPv4 Status

- We still have IPv4 addresses left - more than one /8 in the available pool

- Every member can get 1,024 addresses (/22)

- Block reserved for Internet Exchange Points

- Number of transfers increasing:

  - 2,701 IPv4 transfers in 2015

  - Inter-RIR policy implemented in September 2015

  - "Multiple LIRs" discussion monitored by the RIPE NCC Executive Board

Addressing Multiple LIRs

- Since reaching the last /8, some people have started opening multiple LIRs to get additional /22s

- At RIPE 71, our Executive Board put a hold on the ability for a single legal entity to open multiple LIRs

- Membership discussed the issue on the members-discuss mailing list

- Executive Board will propose solutions to the membership, to be voted on at the GM in May

Address Hijacking

- Increased hijacking activity since IPv4 depletion reached

- 134 cases investigated in 2015

- Mostly targeting legacy and Provider Independent (PI) resources

- Sophisticated methods: re-registering expired domains, forged documents

- We urge our members to update their registry data to protect their resources

Improving Members' Registry Data

- Assisted Registry Check (ARC) started in 2014

- A lightweight check of members' registry data conducted over the phone, with emails to follow-up

- Emphasis on adding value by helping members resolve issues, explaining policies

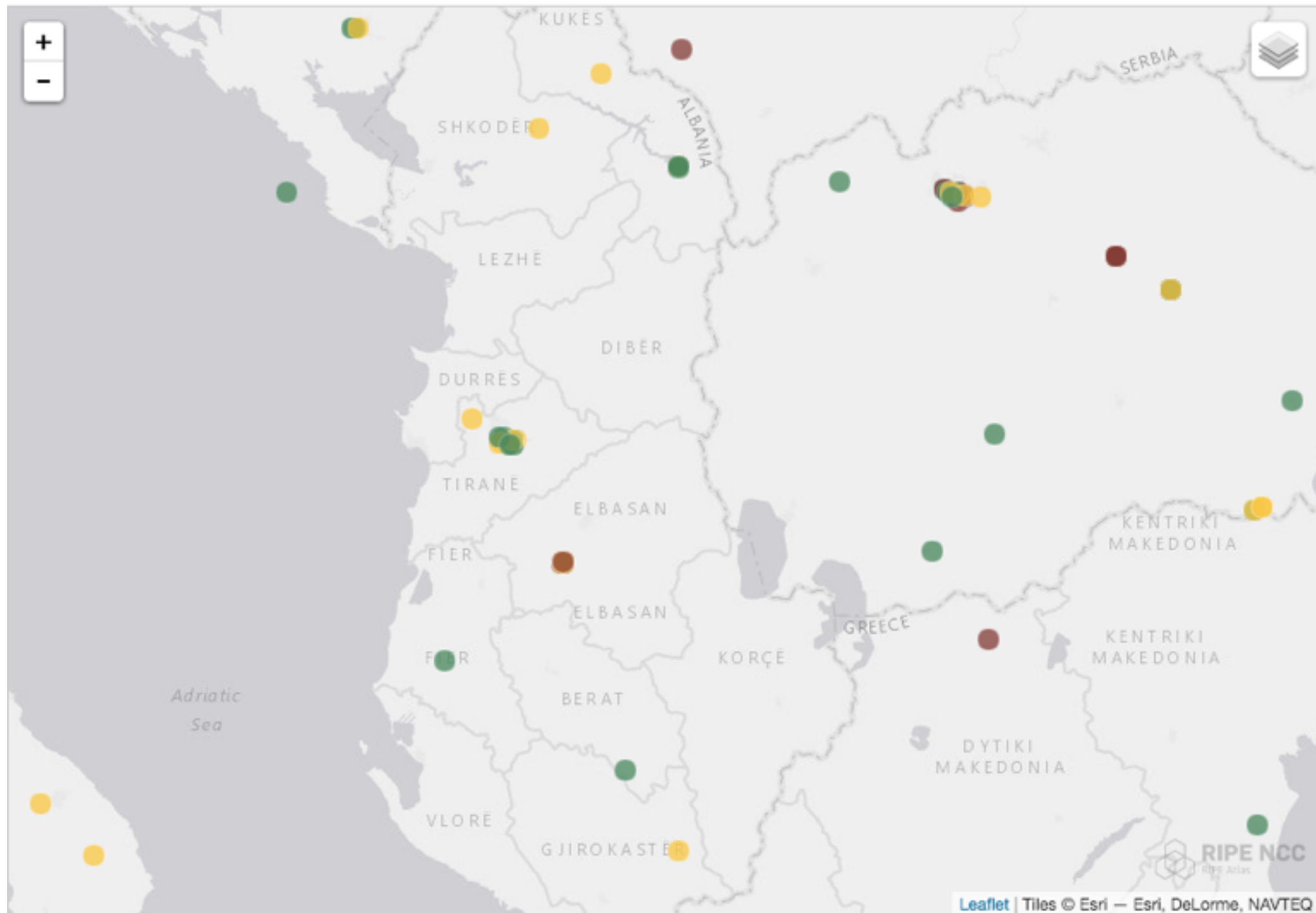- A replacement of our previous audit activity

RIPE Atlas

- 9,381 connected probes and 189 RIPE Atlas anchors

- Not far from our goal of 10,000 probes!

- Find out how others are using RIPE Atlas:

  - https://labs.ripe.net/atlas/user-experiences

RIPE Atlas in Albania

- Around 20 active probes

Connected: 9391   Disconnected: 4186   Abandoned: 1624

Policy Proposals Under Discussion

- **2015-04, "RIPE Resource Transfer Policies"**

  - Creates a single transfer policy document for all types of resources

- **2015-05, "Revision of last /8 criteria"**

  - Extra /22s can be requested very 18 months if no address space has been transferred before

- **2016-01, "Include Legacy Internet Resource Holders in the Abuse-C Policy"**

  - Requires legacy holders to set an abuse-contact in the RIPE Database

Resource Certification (RPKI) Update

- 3,500+ members have requested a certificate

- Members have created ROAs covering:

  - 2,886 unique ASNs

  - 14,446 IPv4 prefixes

  - 2,222 IPv6 prefixes

- All address space can now be covered

  - Including PI and legacy

RIPE NCC Academy

RIPE NCC Academy
Open Learning for Professional Development
Practical content I Trainer support I Get certified

- Our new online learning platform

- Trainees can complete courses in their own time and be certified for their knowledge

- Complements existing courses and webinars already on offer

- https://academy.ripe.net

RIPE Academic Cooperation Initiative (RACI)

- Connects RIPE with the academic community

- Operators: learn about Internet research conducted by academics

- Academics: make connections and get feedback from the industry

- RACI presenters receive tickets, travel and accommodation at RIPE and regional meetings

- All applicants can publish their work on RIPE Labs: labs.ripe.net

Based on Your Feedback

- Our engagement and feedback approach works and we will continue with it

- We appreciate feedback at all times through all our channels:

  - RIPE NCC-organised meetings

  - Member lunches and training courses

  - Assisted Registry Checks (ARCs)

  - Online, mailing lists, social media, etc.

Based on Your Feedback

- Feedback shows we are on track but there is more work to be done:

  - Continue with accountability and transparency efforts

  - Ensure value for money for all members

  - Promote wider involvement for both GM and PDP

  - Strive for engagement throughout our service region

  - Maintain high training standards

  - Further simplify our procedures where possible

Large-scale Survey 2016

- To gather member and community feedback on RIPE NCC activities

- To shape the RIPE NCC's strategy for the coming years

- We use an independent third party to ensure anonymity and independent analysis

- iPads to be won every week for 5 weeks!

- Results from 2013: ripe.net/s/survey-2013

- Survey to be launched at RIPE 72 in May

RIPE NCC General Meeting (GM)

- Next GM: Copenhagen, Denmark, in May

- The GM is where members can discuss the operations and activities of the RIPE NCC

- Members can fully participate (voting and discussion) remotely

- Your direction is essential - please participate and vote in GMs!
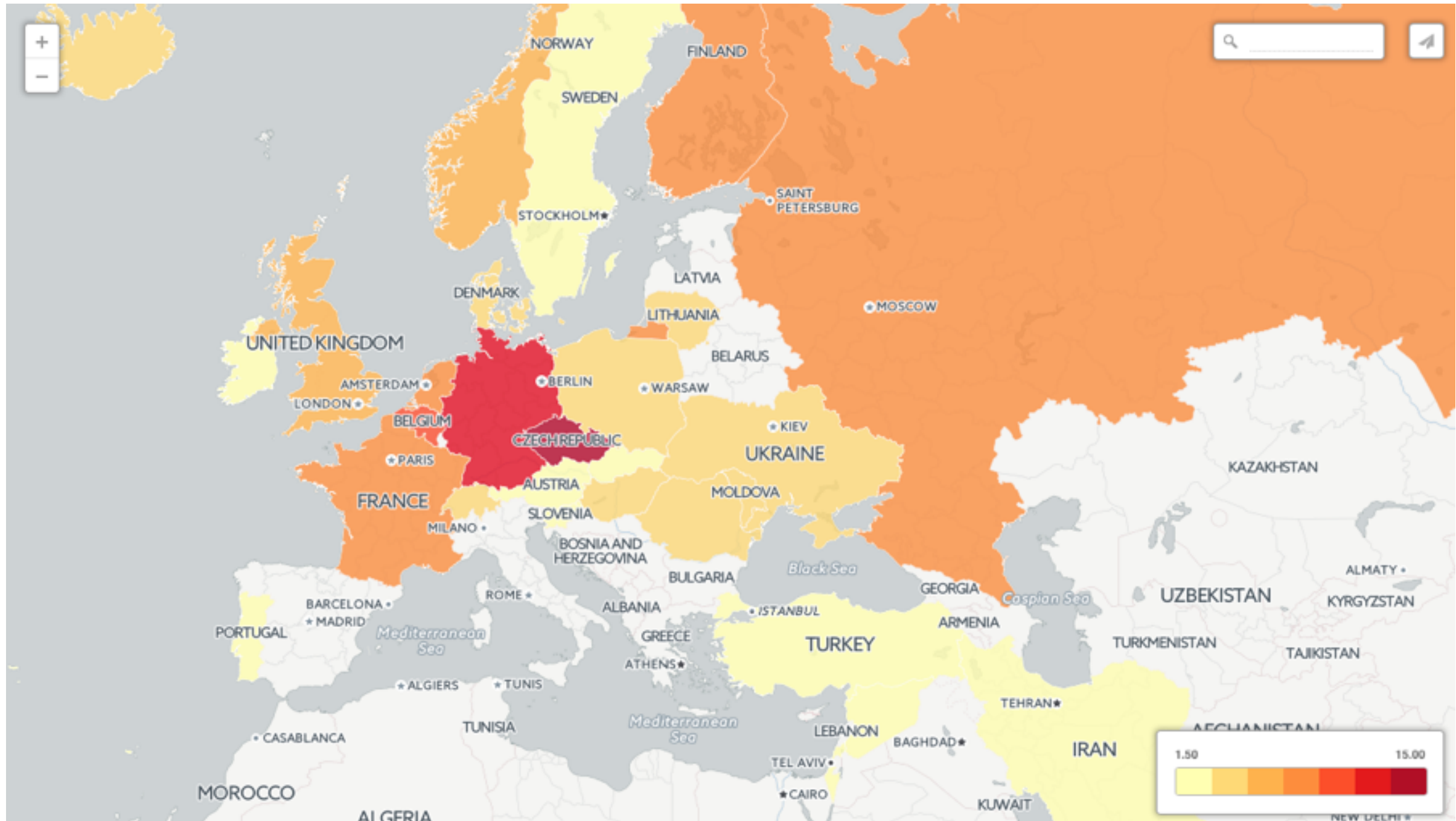
At the GM in May

- RIPE NCC Executive Board election

    - Two seats to fill

    - ripe.net/s/GM-election-May2016

- Members will also vote on the charging scheme for 2017

Direct Feedback Through Voting

- May 2016 GM: 83 registrations so far…

Questions

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