



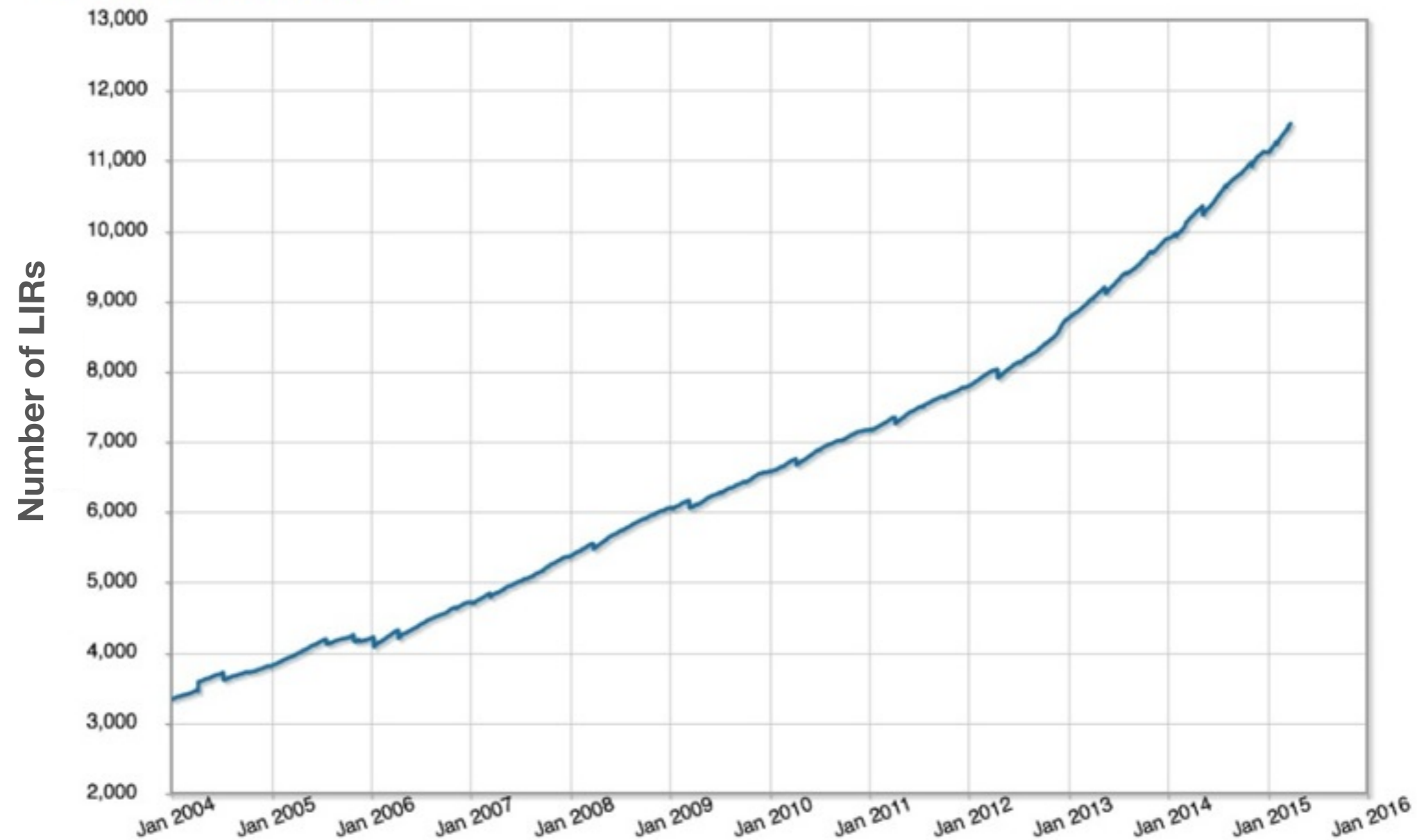
**RIPE  
NCC**

## **RIPE NCC Update**

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Axel Pawlik  
Managing Director

- Membership continuing to grow
- Expanded regional presence
- IPv6 gaining momentum
- IPv4 transfers increasing
- Member consultation
- Website redesign
- Policy developments
- IANA stewardship transition
- LEA outreach, Internet governance, etc.
- General Meeting in May
- And much more...



- One fee per LIR of €1,600 for 2015
  - Down €150 from 2014

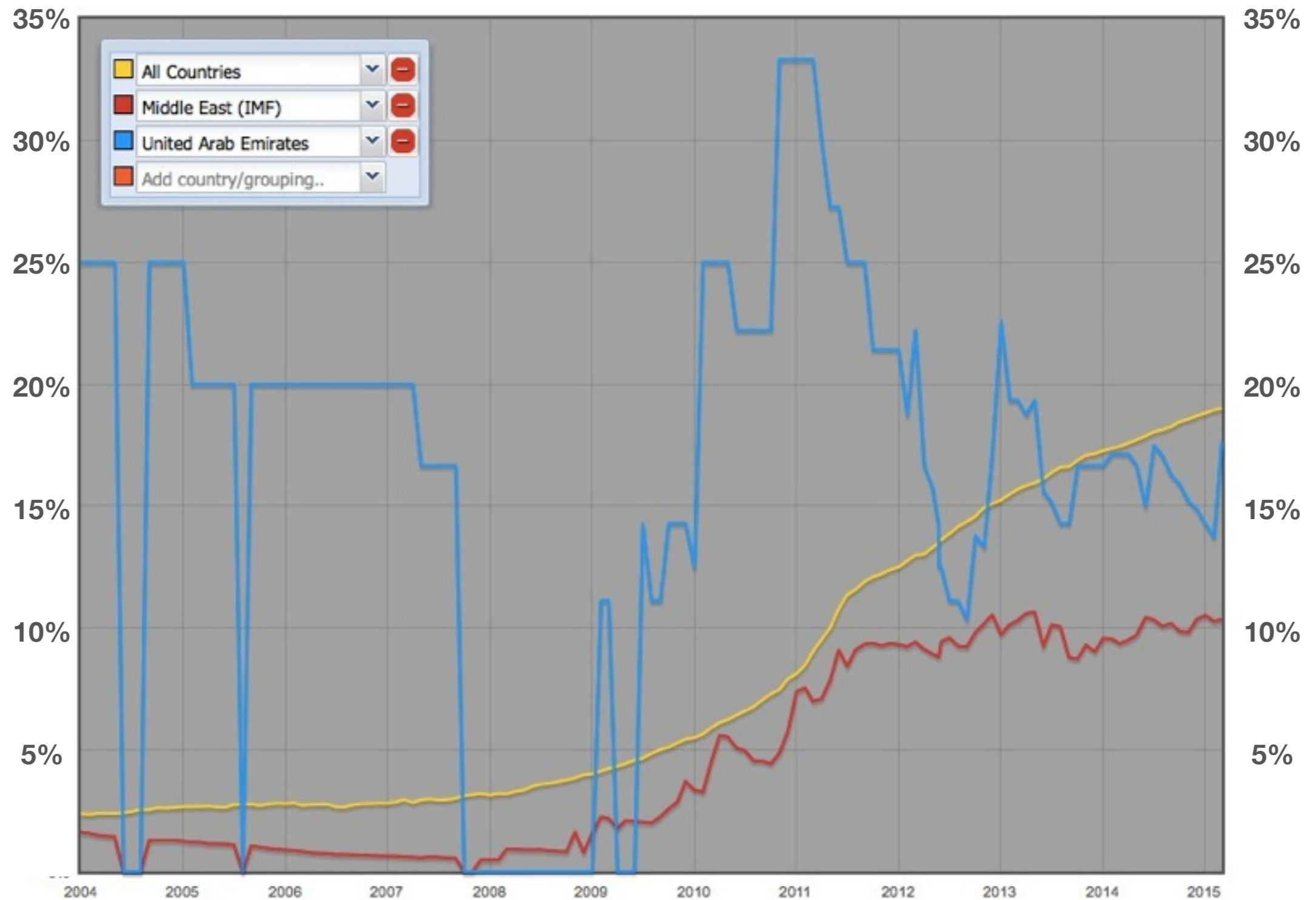
- Have expanded in the Middle East and CIS regions:
  - Two new Arabic-speaking staff in Dubai
  - Two new Russian-speaking staff in Moscow
- Improved contact and engagement with regional members, communities and governments
  - Smaller, targeted events to meet regional membership needs
  - Smaller member meetings, lunches, local events
- Increasing number of Regional Meetings
  - 2014: Bulgaria, Kazakhstan, Azerbaijan, Iran
  - 2015: Serbia, Georgia, Armenia, Saudi and others planned

- 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 - 10 planned in 2015
- Appointed an IPv6 Program Manager to coordinate our efforts: Nathalie Trenaman





# Networks Announcing IPv6



[http://v6asns.ripe.net/v/6?s=\\_ALL;s=\\_IMF\\_middleeast;s=AE](http://v6asns.ripe.net/v/6?s=_ALL;s=_IMF_middleeast;s=AE)

- We still have IPv4 addresses left — more than a /8 in the available pool
  - Every member can get 1,024 addresses (/22)
  - Block reserved for Internet Exchange Points
- Number of transfers increasing — 919 transfers in 2014
- “Post depletion adjustments” policy changes reduce bureaucracy

- IPv4 addresses becoming more valuable
- Hijackers try very sophisticated methods to obtain control over (apparently) unused address blocks
  - Faking registration and identity papers
  - Faking entire websites and domains
- RIPE NCC has to do more thorough checks
  - 233 resources investigated in 2014
  - Finding the right balance between due diligence and not being overly bureaucratic



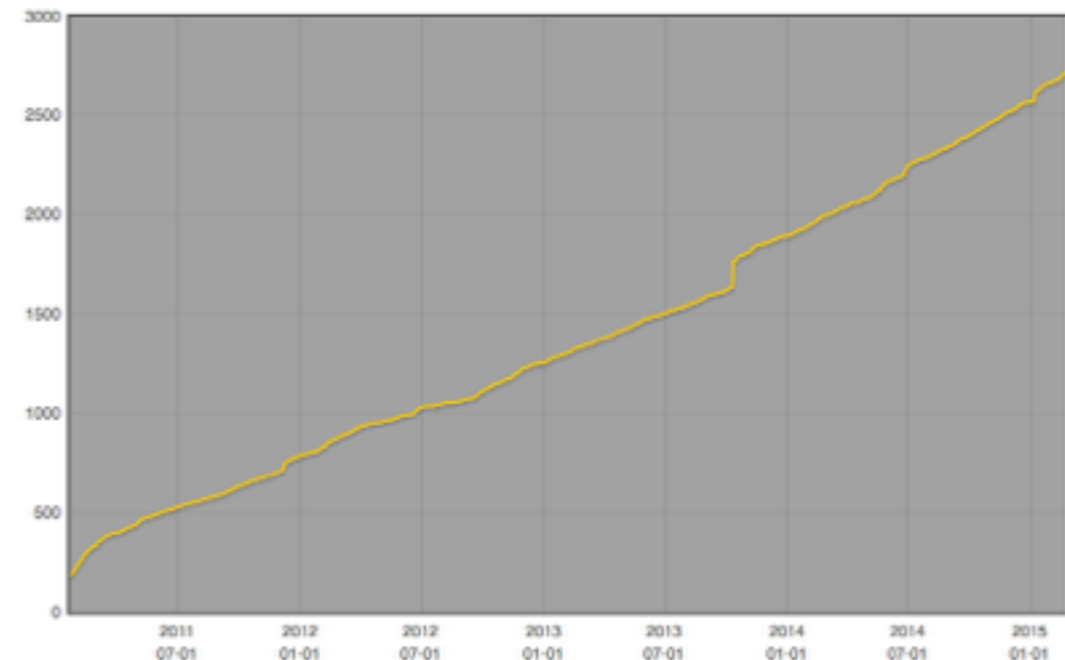
- Helps ensure current and accurate registry
- More efficient, less time-consuming experience for members



[https://labs.ripe.net/Members/matt\\_parker/assisted-registry-check-first-results](https://labs.ripe.net/Members/matt_parker/assisted-registry-check-first-results)

- 2,700+ members have requested a certificate (24%)
- Members created ROAs covering:
  - 2,100+ unique ASNs
  - 9,900+ IPv4 prefixes; more than eight /8s of address space
  - 1,500+ IPv6 prefixes; more than 10,000 /32 blocks
- Functionality progress
  - All address space (PI and Legacy)
  - RPKI software open-source and stand-alone package
  - Resiliency improvements

RIPE NCC Members with Certificates



- A virtual learning environment launched in late 2014
- Allows members to access training resources in their own time, certify their skills, and connect with our trainers and each other through an interactive portal

The screenshot displays the 'RIPE Database Expert Course' interface. The main content area features a grid of course modules, each with a title, a brief description, and a 'Go to' button. The modules are: Pre-Test, 1 - RIPE Database Basics, 2 - Registering Contact Information, 3 - Querying the RIPE Database, 4 - Protection Mechanisms, 5 - Creating Assignments, 6 - ROUTE and ROUTES Objects, 7 - Reverse Delegation, and Final test. To the right of the main content is a sidebar with navigation options: Course Guidelines, Course Objectives, Discussion Forum, Database Objects, Activities, Contact Trainer, and a Navigation menu. Below the navigation menu is a progress indicator showing 'Activities Completed' with a bar chart and a 'Course completion status' section indicating 'Status: Not yet started' and 'No grade (70% required)'. The bottom right corner of the sidebar shows 'Activity completion: 0 of 13' and a 'More details' link.

- Over 3,600 responses to our survey in 2013
- Identified key findings, took action on these and reported progress to our members and community
- RIPE NCC Consultation Report 2015:
  - Interviewed members from 12 countries in our service region: feedback on our progress addressing survey findings and an intermediary step between surveys
  - The RIPE NCC Executive Board has published a response to the issues raised during consultations
- Already preparing for RIPE NCC Survey 2016

- Redesign based on user feedback and testing
- Three main areas of improvement:
  - More intuitive navigational structure that makes it easier to find information
  - Improved search functionality
  - Updated, more modern visual design
- Launching 13 April!



The screenshot displays the RIPE NCC website homepage. At the top left is the RIPE NCC logo (RIPE NETWORK COORDINATION CENTRE). To the right are links for 'RIPE Database (Whois)' and 'Website', and a search bar with the text 'Search the content of this website'. Below the search bar, it shows 'Your IP address is: 2001:67c:2e8:9::c100:14e6'. A main navigation bar contains six categories: 'Manage IPs and ASNs', 'Analyse', 'Participate', 'Get Support', 'Publications', and 'About Us'. Each category has a corresponding image and a list of sub-links. Below this is a 'News and Announcements' section with three items, a 'Meetings' section with a 'Recent' tab and three meeting listings, a 'New on RIPE Labs' section with three articles, and a 'Service Announcements' section with one item. The footer contains social media icons (Facebook, Twitter, LinkedIn, YouTube, RSS) and a list of links: Home, Sitemap, Contact us, Service Announcements, Privacy Statement, Cookies, and Copyright Statement.

**RIPE NCC** RIPE NETWORK COORDINATION CENTRE

RIPE Database (Whois) Website

Search the content of this website

Your IP address is: 2001:67c:2e8:9::c100:14e6

Manage IPs and ASNs > Analyse > Participate > Get Support > Publications > About Us >

**Manage IPs and ASNs**  
IPv4, IPv6 and ASNs  
LIR Portal  
RIPE Database  
Resource Transfers and Mergers

**Analyse**  
RIPE NCC Statistics  
RIPEstat  
RIPE Atlas  
Raw Datasets

**Participate**  
RIPE NCC Membership  
RIPE Community  
Policy Development Process  
Internet Governance

**Get Support**  
Contact Us  
Training and Education  
Documentation  
Spam, Hacking and Phishing

**Publications**  
RIPE Documents  
RIPE Labs  
IPv6 Info Centre  
RIPE NCC Activity Plan

**About Us**  
What We Do  
Staff  
Executive Board  
Corporate Governance

**News and Announcements**

- Meeting with Law Enforcement Agencies  
Publication date: 20 Mar 2015
- General Meeting May 2015 - Registration Open  
Publication date: 12 Mar 2015
- New RIPE NCC Membership Application Form Now Live  
Publication date: 06 Mar 2015

**Meetings** Recent

- MENOG 15 Conference Dubai  
01 Apr 2015 - 02 Apr 2015 Dubai, UAE
- SEE 4/RIPE NCC Regional Meeting  
21 Apr 2015 - 22 Apr 2015 Belgrade, Serbia
- RIPE 70 Amsterdam  
11 May 2015 - 15 May 2015 Amsterdam, the Netherlands
- RIPE NCC General Meeting May 2015  
13 May 2015 - 15 May 2015 Amsterdam, Netherlands

**New on RIPE Labs**

- Measuring Countries and IXPs with RIPE Atlas  
Publication date: 23 Mar 2015
- Inferring Distributed Reflection Denial of Service Attacks from Darknet Space  
Publication date: 20 Mar 2015
- Redesigning the RIPE NCC Website: Information Architecture  
Publication date: 19 Mar 2015

**Service Announcements**

- NRO News  
Meeting of the NRO Executive Council - 150213

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- **2014-02 “Allow PI Transfers”**
  - Aligns transfer policy for PI addresses with transfer policy for PA addresses
- **2014-04 “Removing IPv6 Requirement for Receiving Space from the Final /8”**
  - Removes requirement for members to have an IPv6 allocation before they can request an IPv4 /22 from the last /8
  - IPv6 is still necessary for future growth
- **2014-05 “Policy for Inter-RIR Transfers of Internet Resources”**
  - Allows transfers to and from other RIR regions
  - Transfers must comply with the policies in other regions

- **2014-12 “Allow IPv6 Transfers”**
  - Aligns transfer policy for IPv6 addresses with transfer policy for IPv4
- **2014-13 “Allow AS Number Transfers”**
  - Aligns transfer policy for AS Numbers with transfer policy for IPv4
- **2015-01 “Alignment of Transfer Requirements for IPv4 Allocations”**
  - Establishes a 24 month holding period before IPv4 /22s from the last /8 can be transferred

## Implementing ripe-605, “RIPE NCC Services to Legacy Internet Resource Holders”

- Legacy resource holders who are not already members can now choose to:
  - Become a RIPE NCC member
  - Register their resources through a sponsoring LIR
  - Have a direct contract with the RIPE NCC
  - Stay as they are

- Continuing to work with community
  - Discussions take place in RIPE Cooperation Working Group, RIPE Meetings and Regional Meetings
- Consolidated RIR IANA Stewardship Proposal (CRISP) team submitted proposal from numbers community on 15 January 2015
  - Proposed establishing RIRs as stewards of number-related IANA functions, new contract between RIRs and ICANN
- RIR legal staff now drafting SLA contract
  - Update and discussion of this work in RIPE 70 Plenary

<http://ripe.net/iana-oversight-transition>

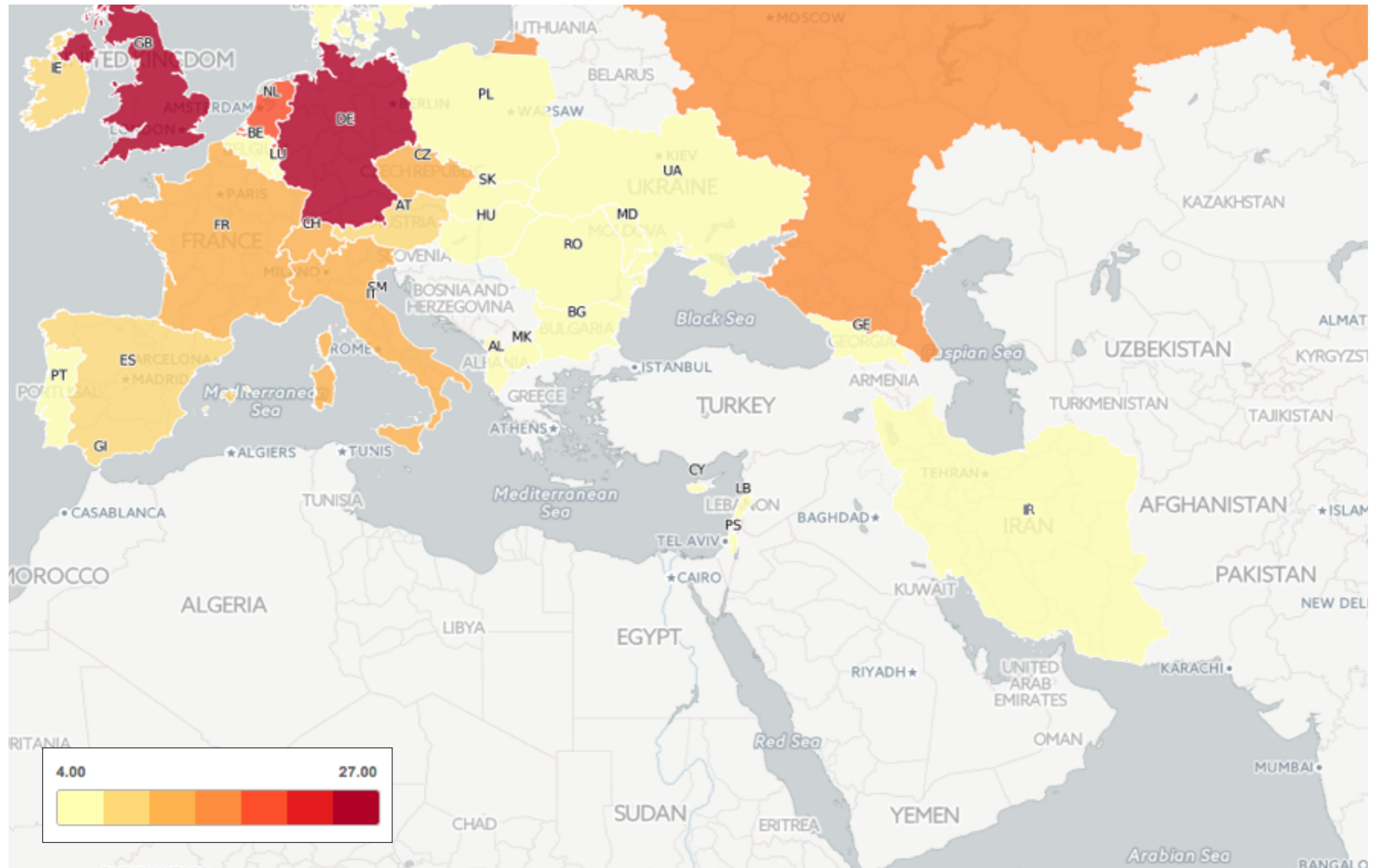


- Contributing to global and regional Internet governance discussions
  - Contributing to global and regional events: IGF, Arab IGF, EuroDIG, Russian IGF
  - Engaging with industry partners to engage with broader IG developments (WSIS+10, IANA stewardship outreach)
- Regular Government Roundtable Meetings and outreach
- Working with Law Enforcement Agencies (LEAs) on capacity building
  - Interpol (Eurasia group), police in Arab states, Iran, Europol

- The forum for members to discuss the operations and activities of the RIPE NCC
- In May, members will:
  - Vote on the Charging Scheme for next year
  - Discuss activities and how we budget for them
  - Elect new members of the Executive Board
- Important for members to participate - helps keep us transparent and accountable to our members
- Register to attend and vote so your voice is heard

<https://www.ripe.net/gm/current>

# GM Voting Registration by Region





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**AMSTERDAM**  
**THE NETHERLANDS**  
**• 11 - 15 MAY 2015 •**



