

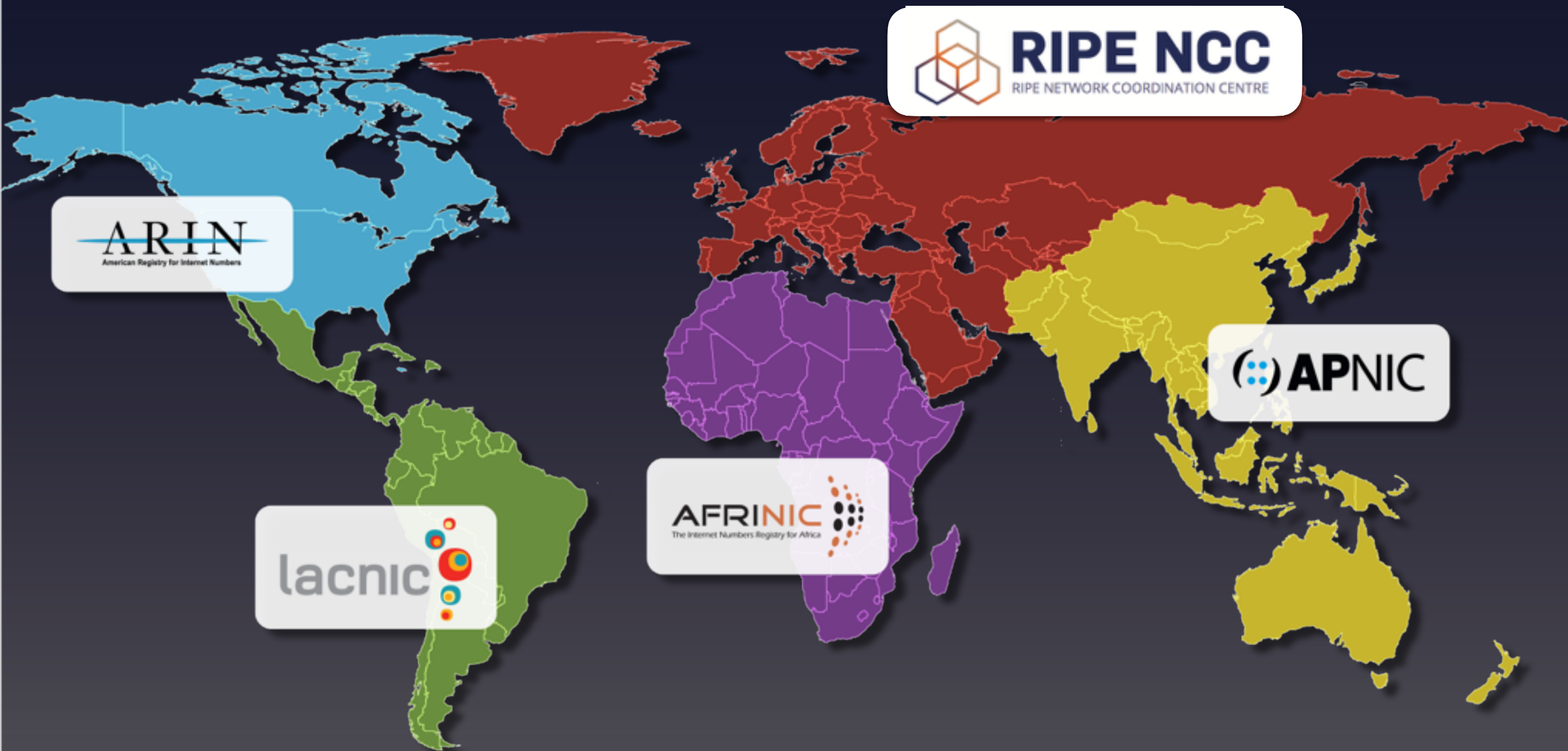


RIPE NCC
RIPE NETWORK COORDINATION CENTRE

IPv4 and IPv6 Evolution: Regionally and Globally

Hisham Ibrahim | March 2016

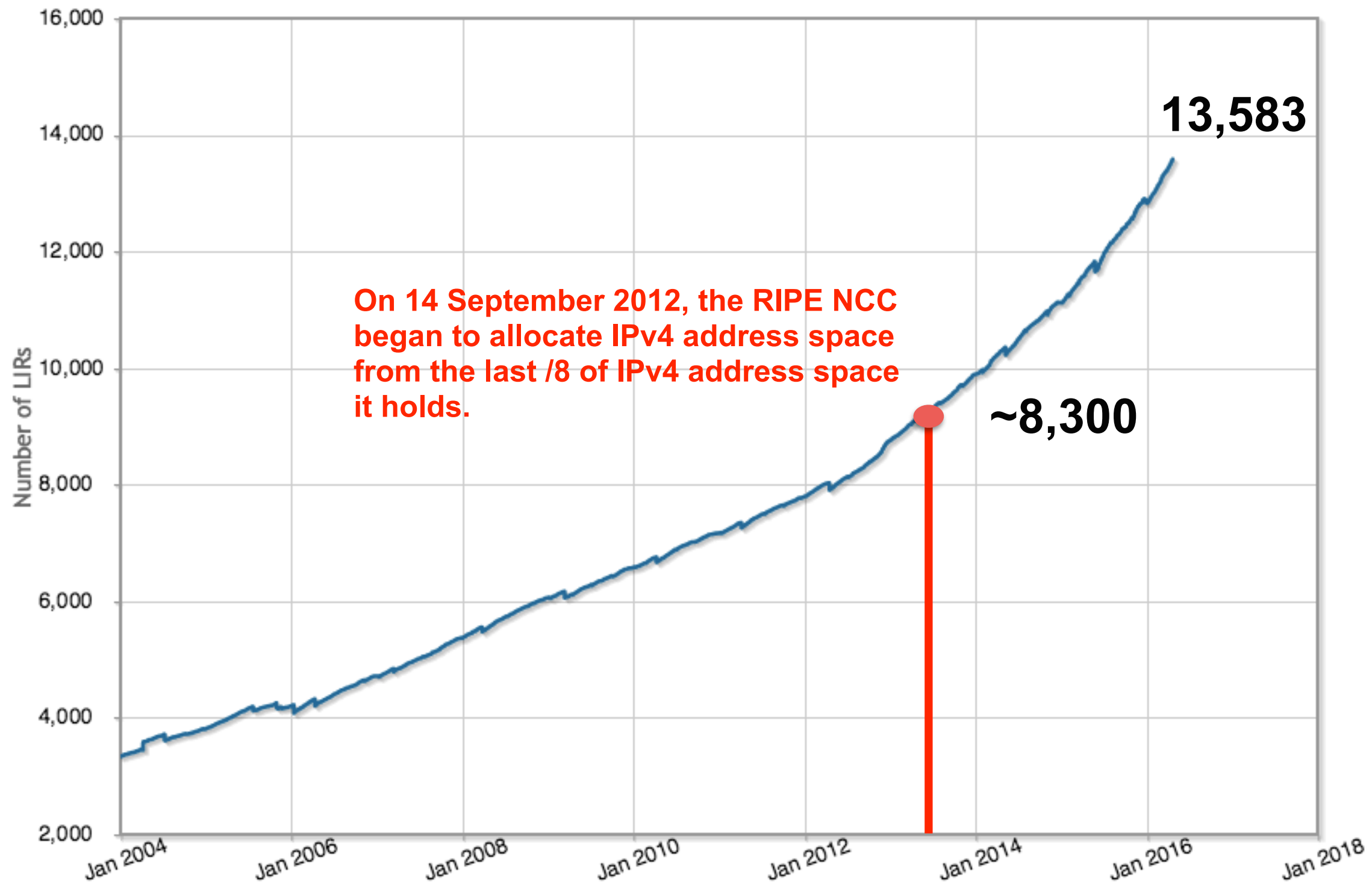
The Regional Internet Registries



LIRs in the RIPE NCC Service Region



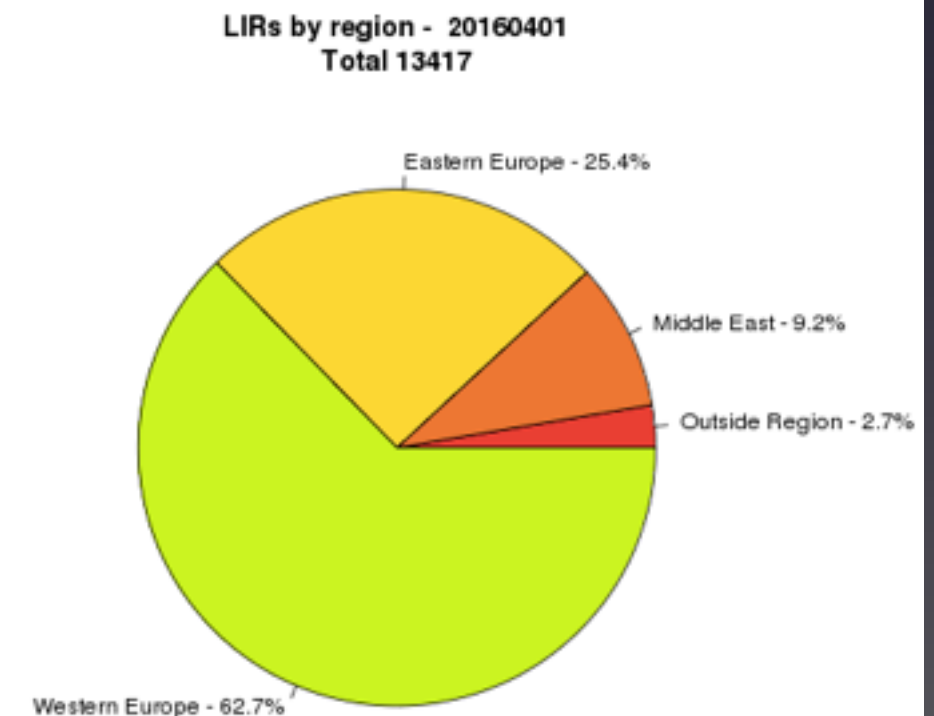
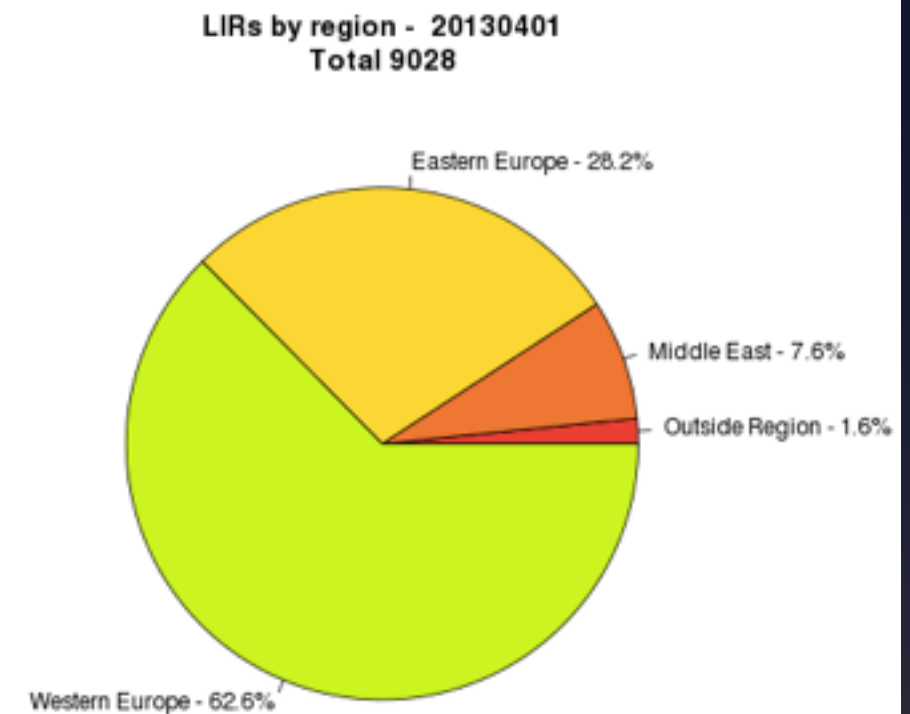
Total Number of LIRs



Membership per Sub-region



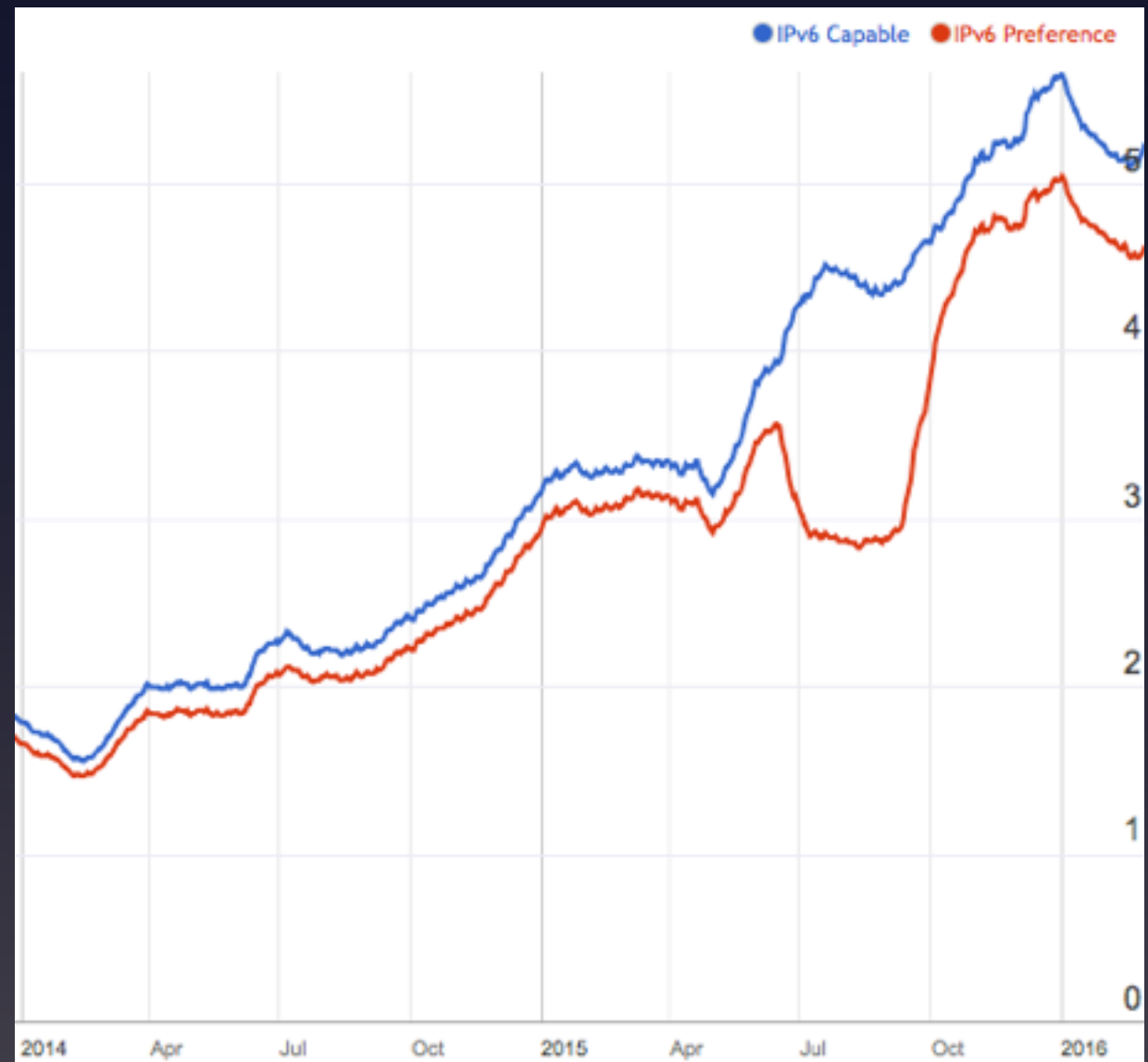
- Western Europe 62.6%
- Eastern Europe 28.2%
- Middle East 7.6%
- Outside Region 1.6%
- Western Europe 62.7%
- Eastern Europe 25.4%
- Middle East 9.2%
- Outside Region 2.7%



IPv6 is on the Rise



- APNIC measures 5% IPv6 capable users
- Google reports 10% global IPv6 use
- Everybody talks about it

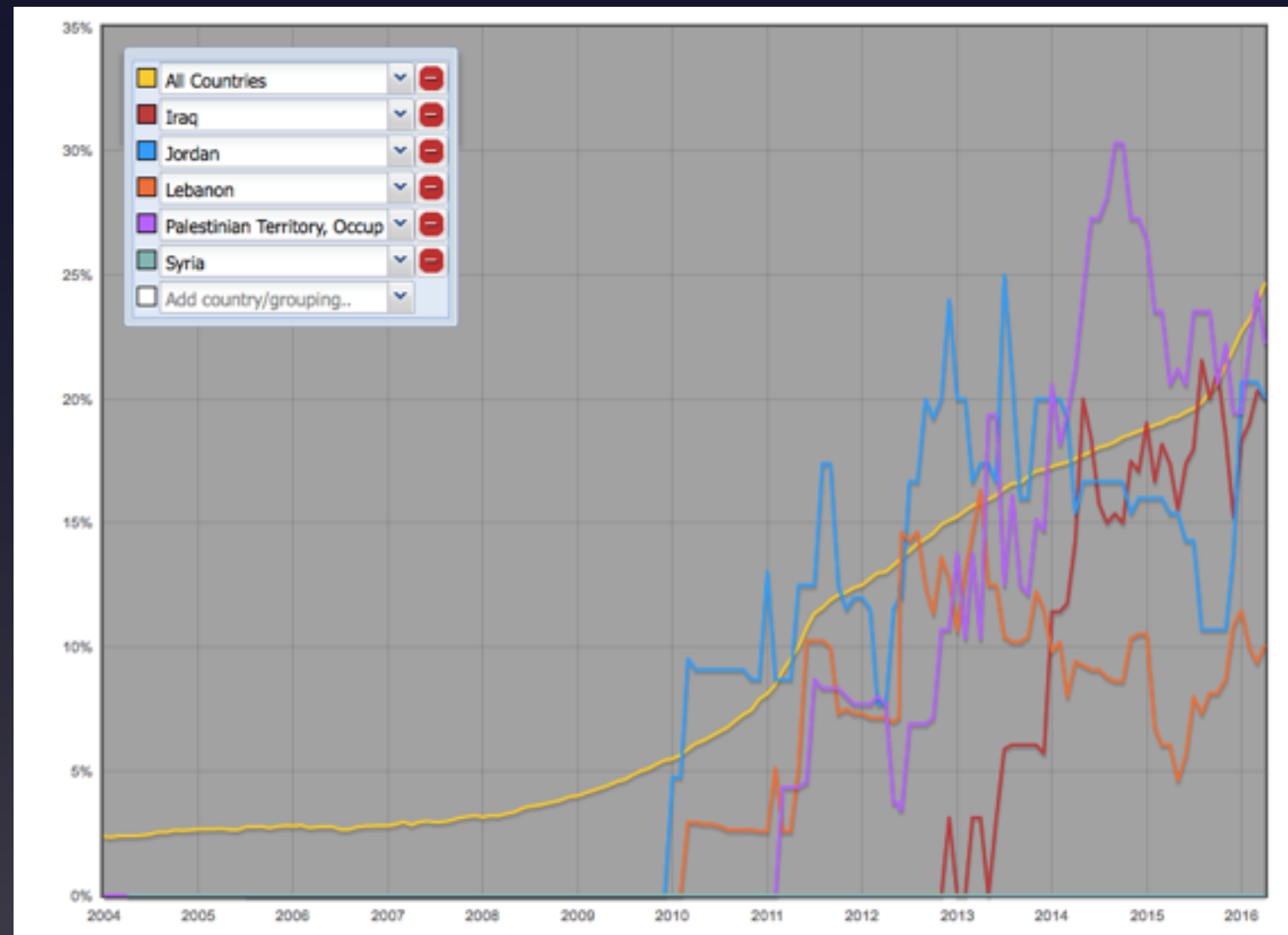


Globally observed IPv6 usage (source APNIC)

RIPE NCC Measurements Confirm



- Over 10,000 members have an IPv6 allocation
- ASNs advertising IPv6 goes up
- 24.69% of the globally visible ASNs announce an IPv6 prefix

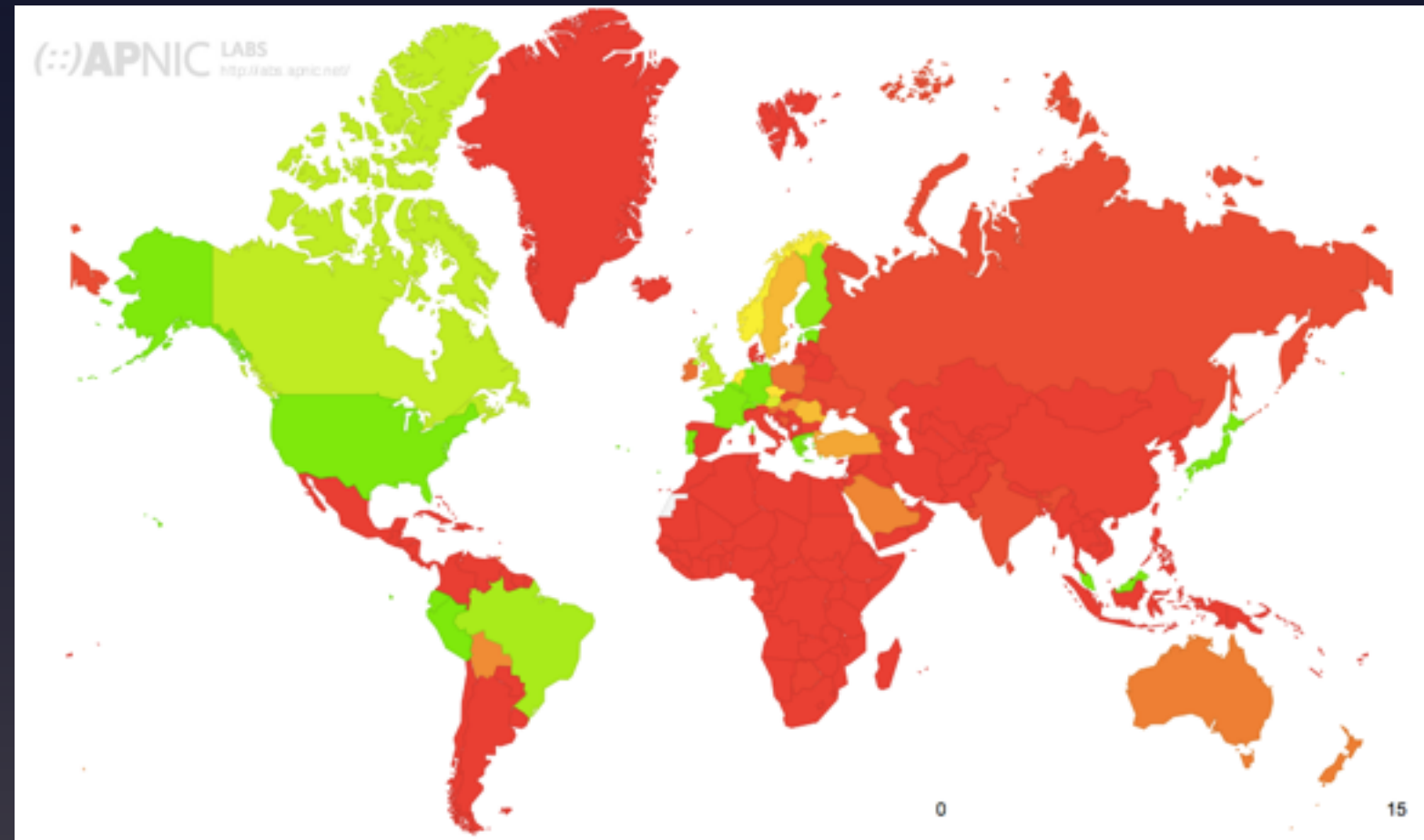


This graph shows the percentage of networks (ASes) that announce an IPv6 prefix for a specified list of countries or groups of countries ([http://http://v6asns.ripe.net](http://v6asns.ripe.net))

IPv6 World Wide



- USA 19.43%
- Peru 19.37%
- Japan 16.21%
- Malaysia 15.61%
- Brazil 10.66%
- Canada 10.3%

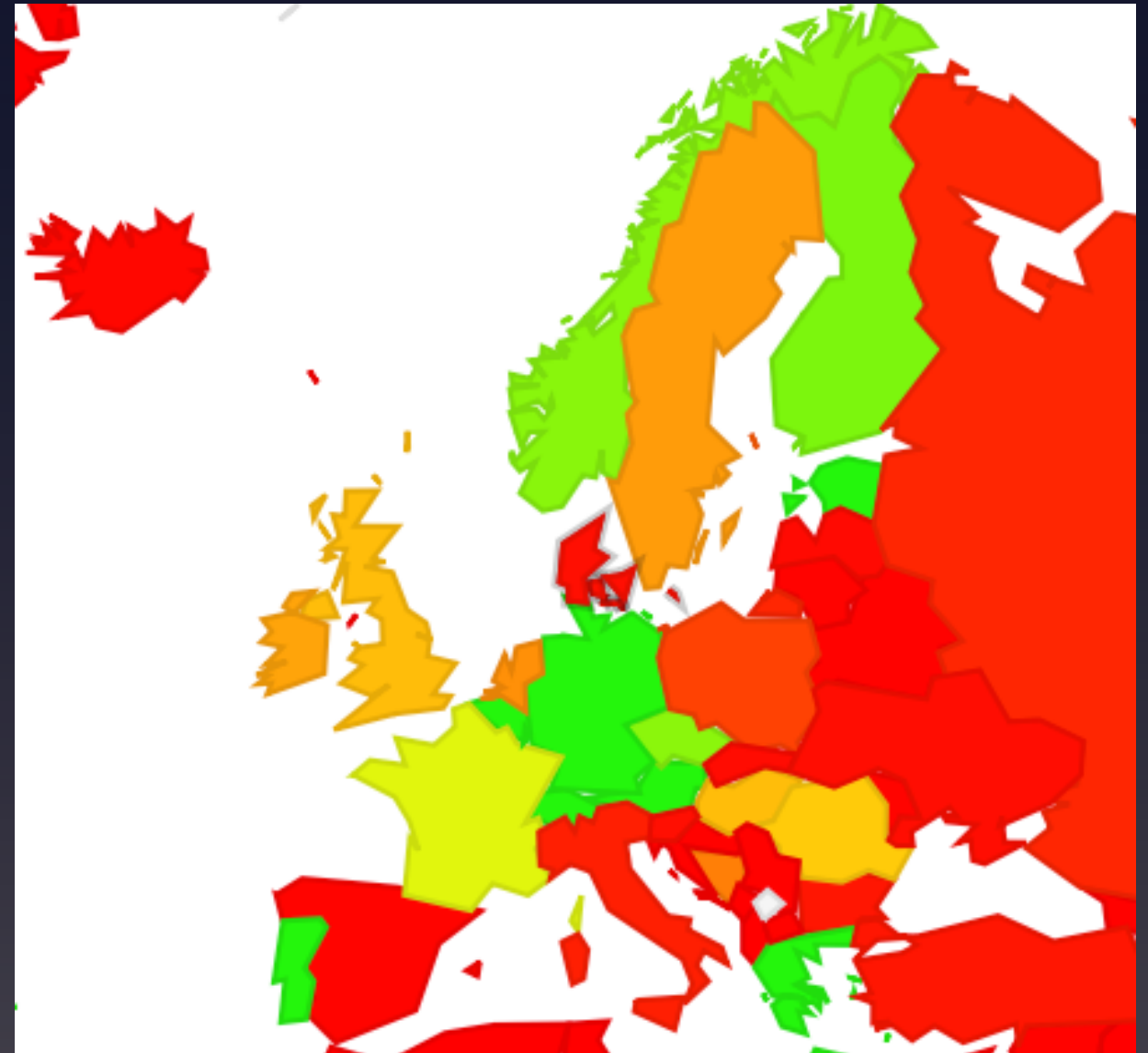


*IPv6 usage per country
(source APNIC)*

IPv6 in Europe



- Belgium 49%
- Switzerland 29%
- Portugal 28%
- Greece 25%
- Germany 18%
- Finland 12%
- Norway 12%

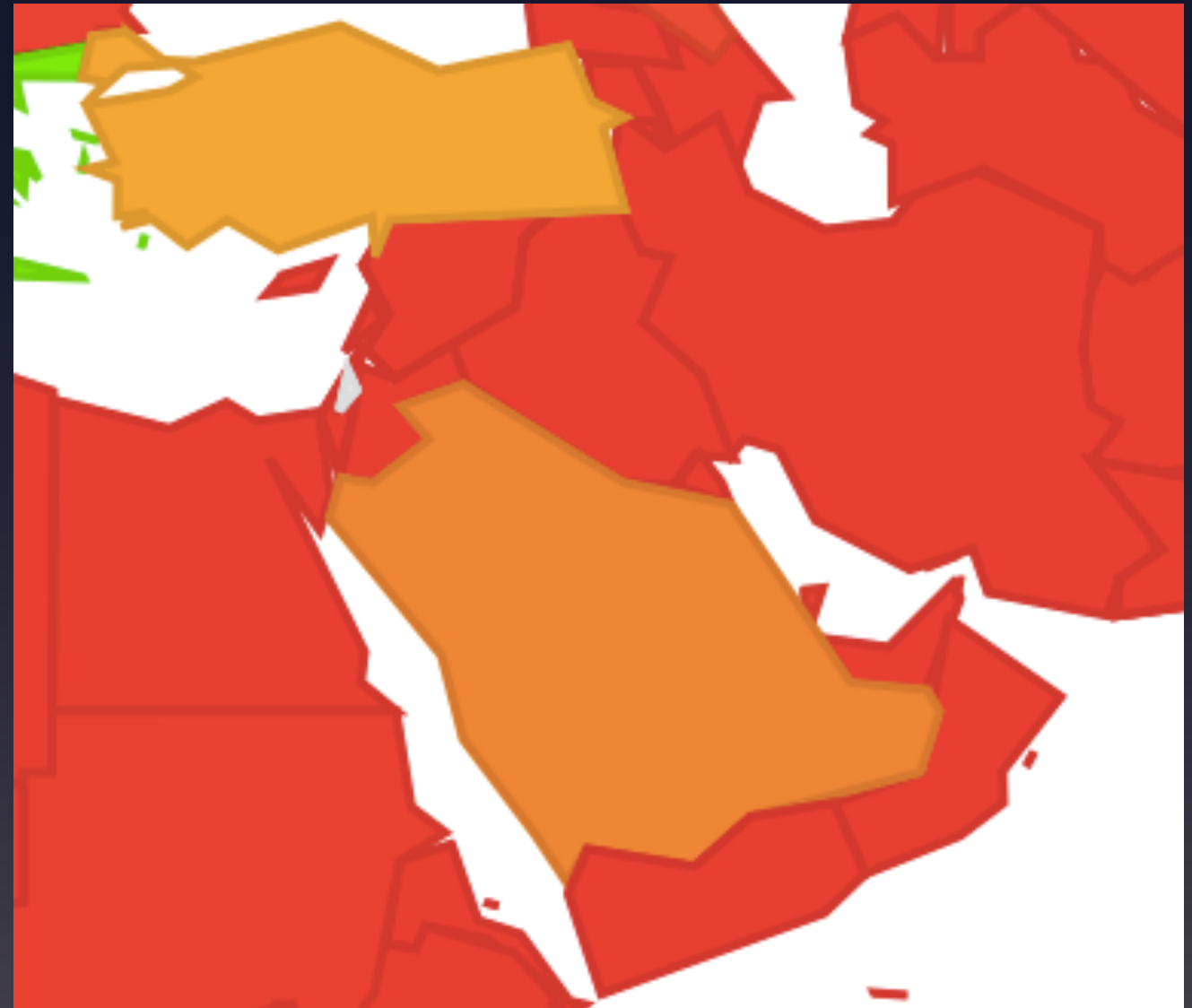


*IPv6 usage per country
(source APNIC)*

IPv6 in the Middle East



- Turkey 5.26%
- Saudi Arabia 4.32%
- The rest...



*IPv6 usage per country
(source APNIC)*

Think Big!



- IPv6 needs to gain momentum
- A lot of networks show tiny bits of IPv6, pilots?
- IPv6 can become your Unique Selling Point
- You can make a difference



What should be the next step?

Meet us at RIPE 72 in Copenhagen



RIPE 72
23 - 27 May 2016
Copenhagen, Denmark

**RIPE Meetings:
connecting the Internet
community.**

ripe72.ripe.net





How can we help

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