



IPv6 Deployment in Europe

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- Réseaux IP Européens Network Coordination Center
- Located in Amsterdam
- Not-for-profit membership association under Dutch law
- 11,000 members in 76 countries
- One of five Regional Internet Registries
- Independent, neutral, open





Member Services

- Resource Distribution (IPv4, IPv6, ASNs)
- Resource Certification (RPKI)
- Training, Webinars

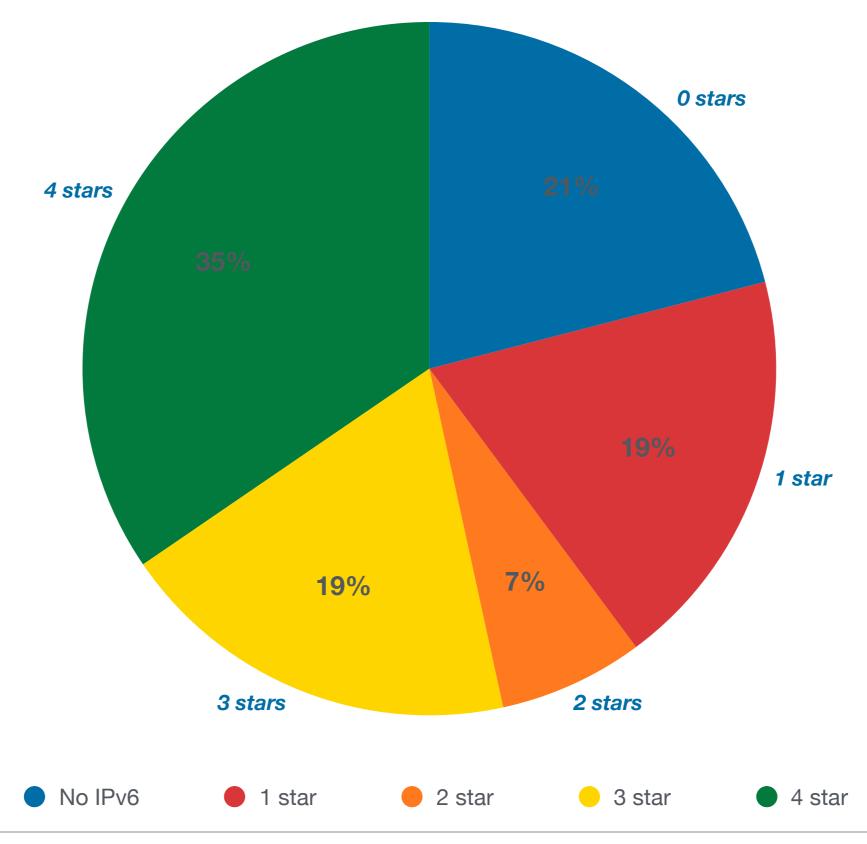
Public Services

- RIPE Database
- K-root server
- Open community meetings
- Various operator tools (RIPE Atlas, RIPEstat, RIPE Labs, DNSmon)

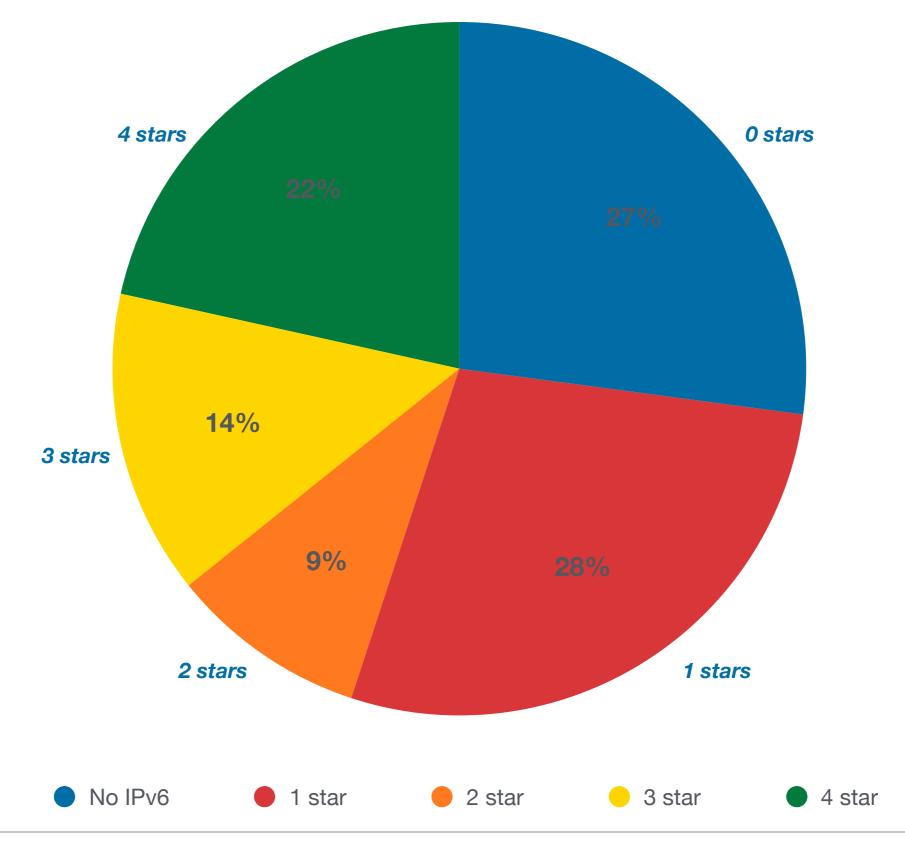


- Rating system to monitor IPv6 adoption rates amongst RIPE NCC Members
- Stars are awarded for various steps in IPv6 deployment:
 - Obtaining IPv6 addresses
 - Visibility in global routing table
 - Setting up routing registry entries
 - Setting up reverse DNS
- Per country statistics published daily
 - http://ripeness.ripe.net/

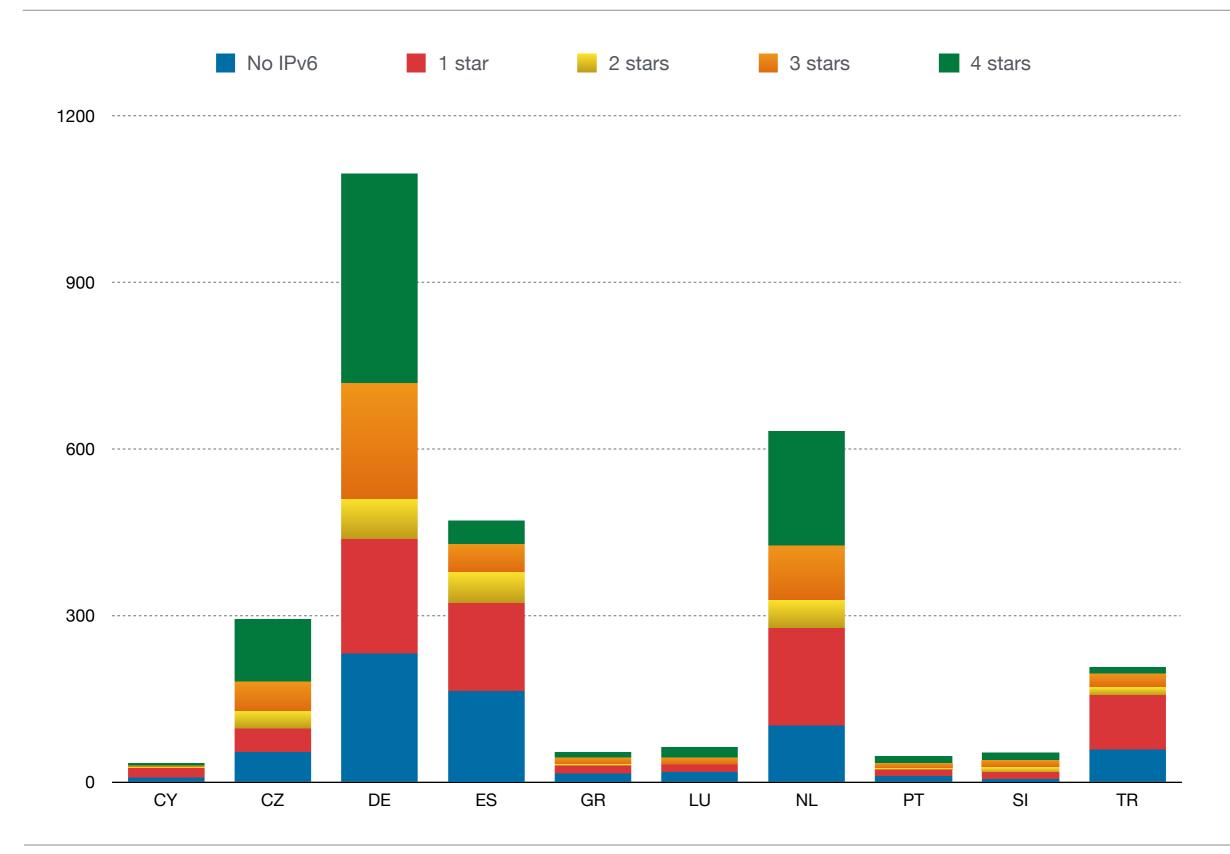




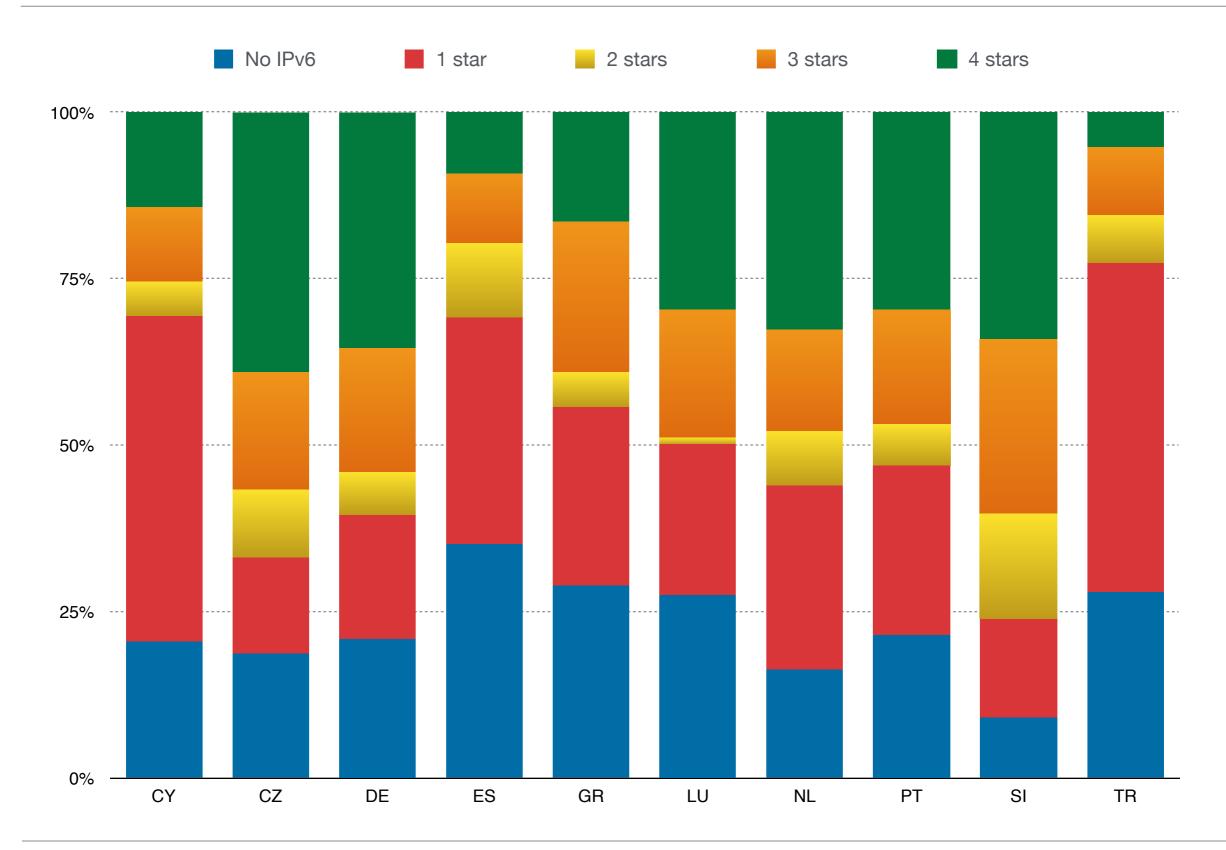




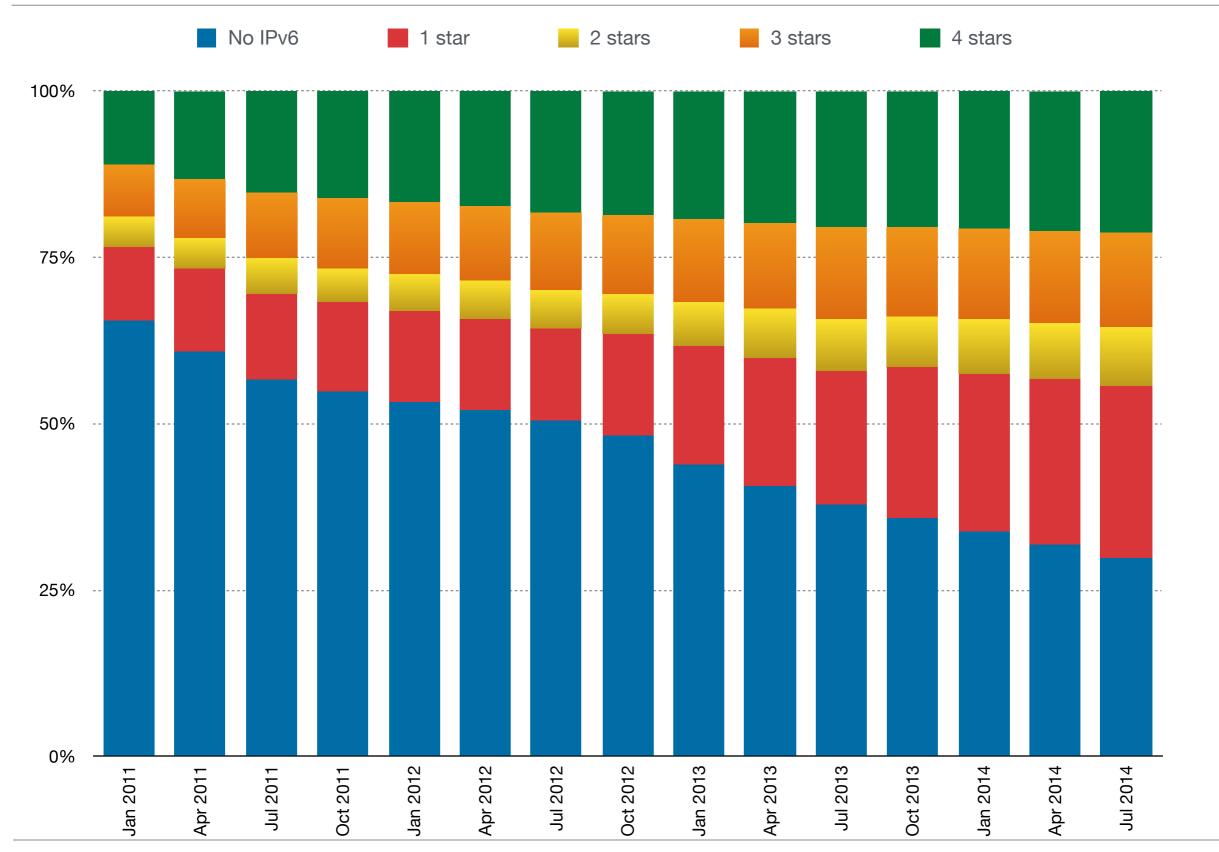






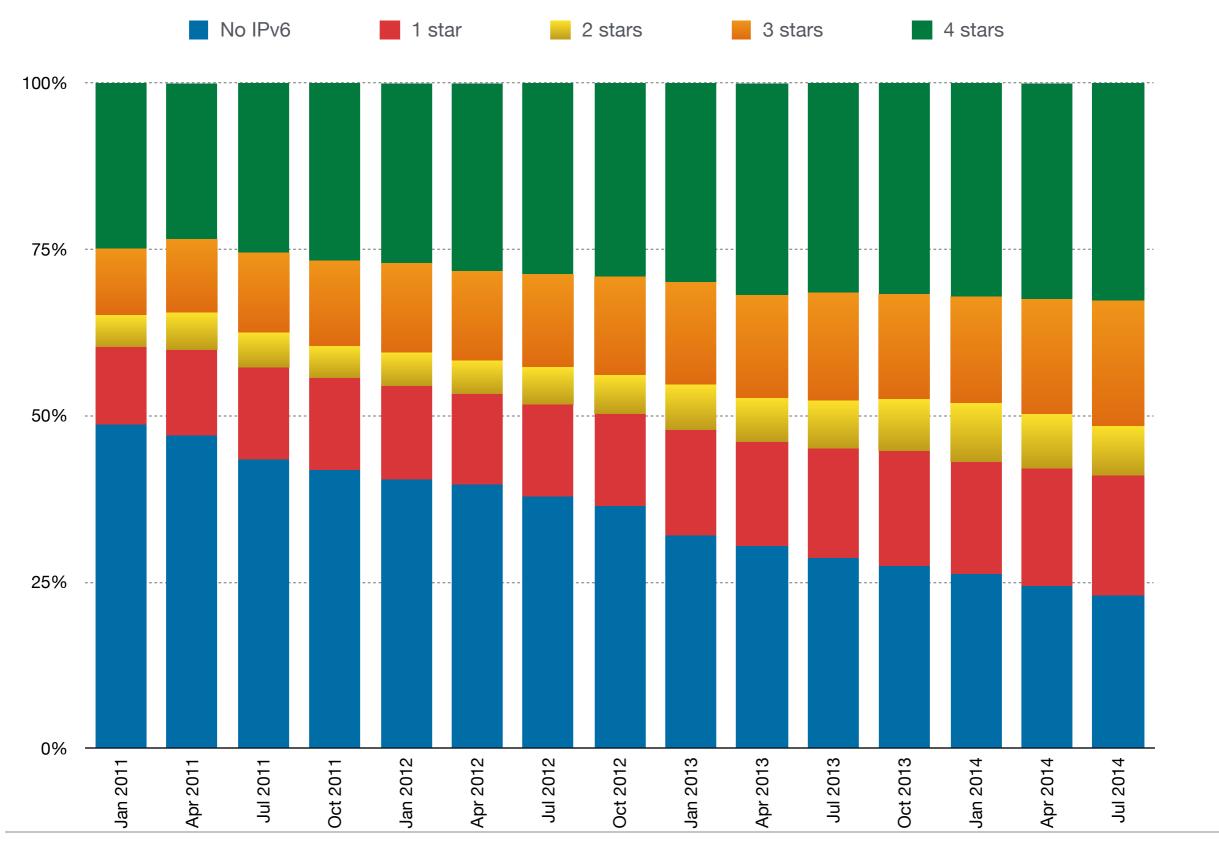




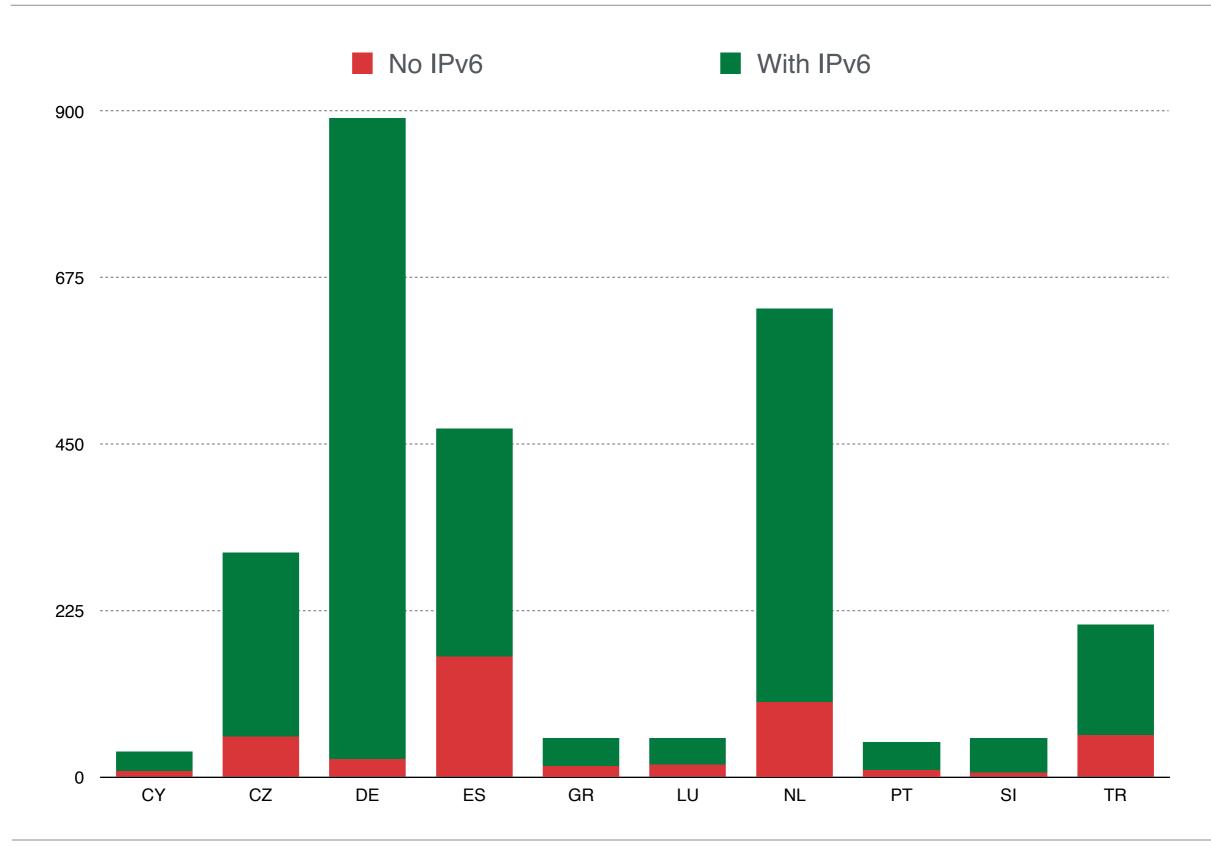




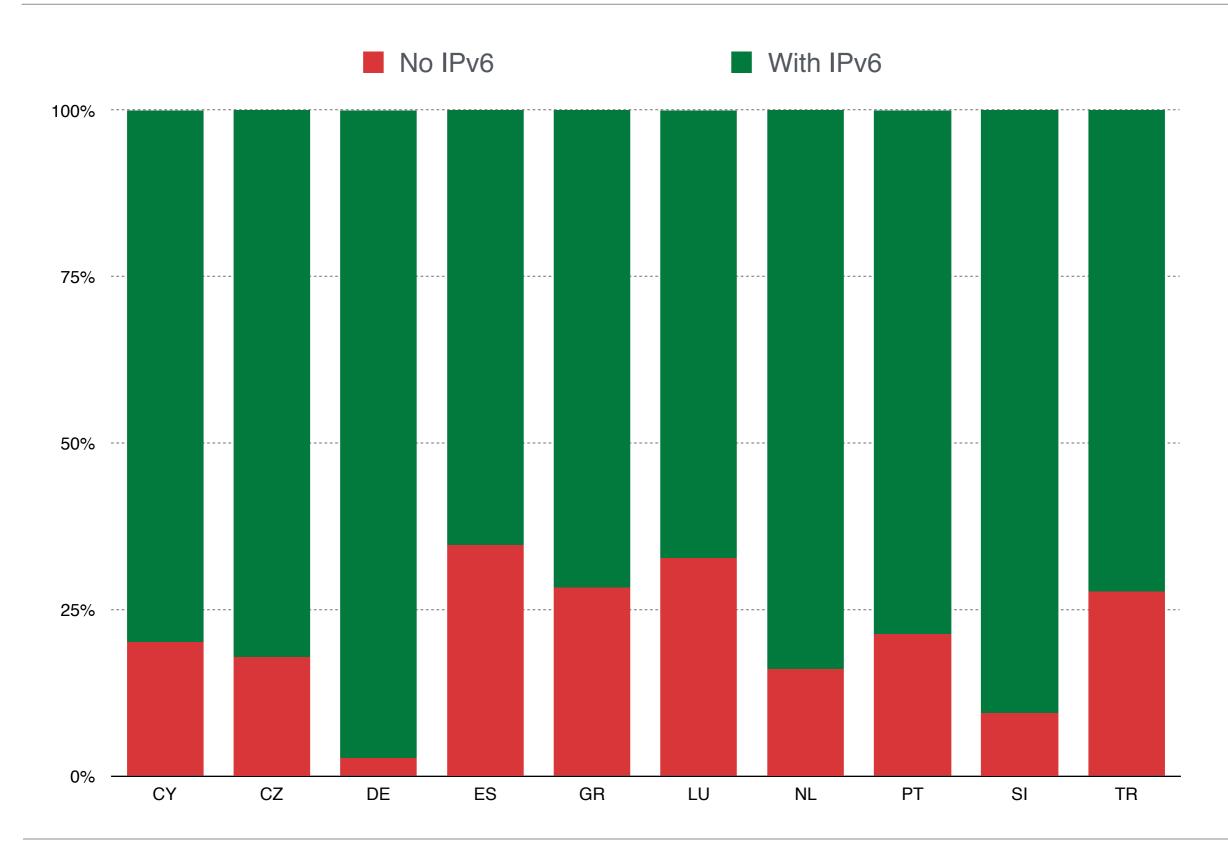
IPv6 RIPEness Over Time (DE)







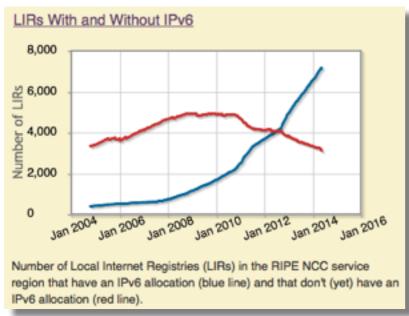


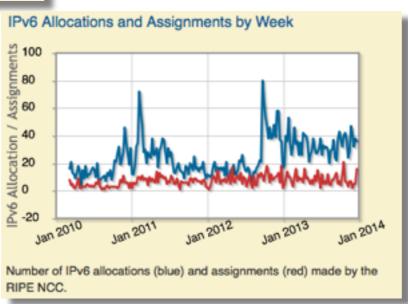


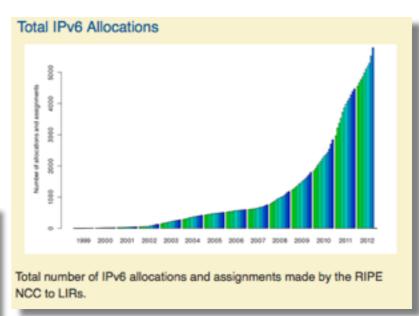


IPv6 Membership Statistics

- Statistics Dashboard on RIPE Labs
 - https://labs.ripe.net/statistics/?tags=ipv6







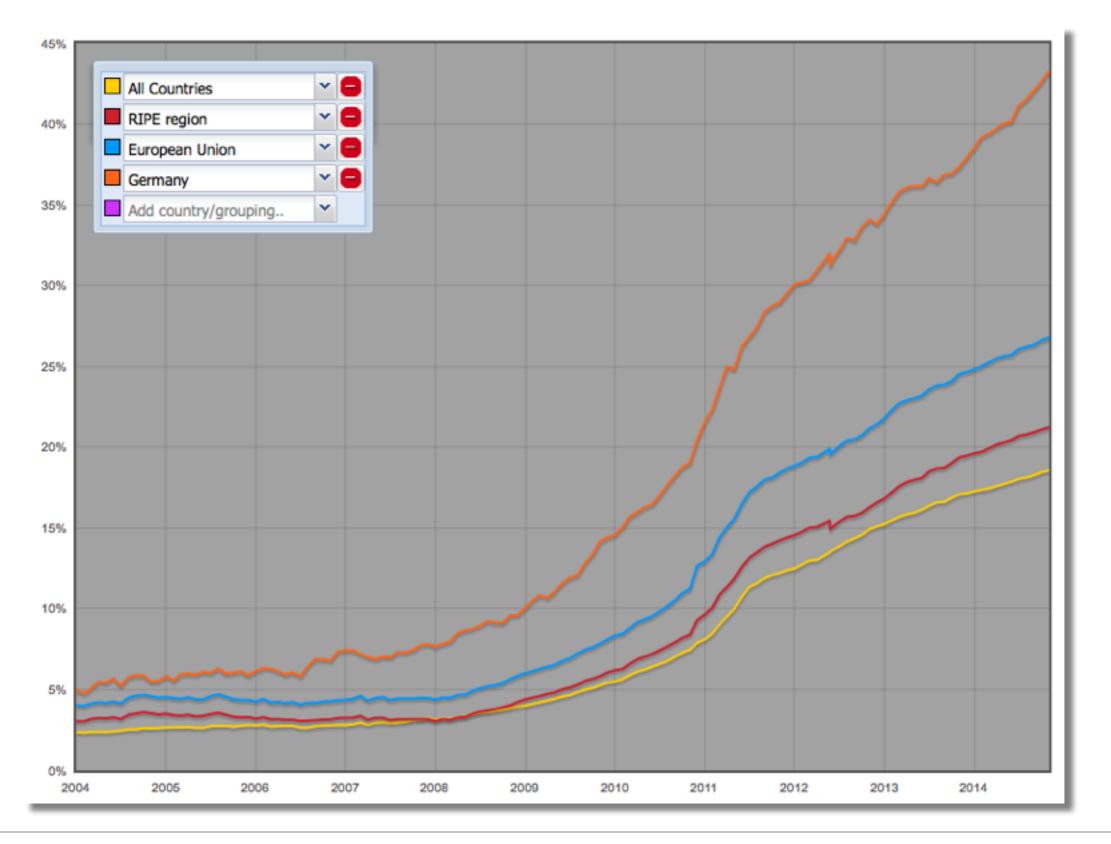


IPv6 in Routing

- RIPE NCC monitors global routing table for statistical analysis
 - Data available via RIPEstat (http://stat.ripe.net)
- Dedicated interactive tool for IPv6
 - Measures number of networks that originate routes for IPv6 address blocks
 - Grouped by country and regions
 - http://v6asns.ripe.net

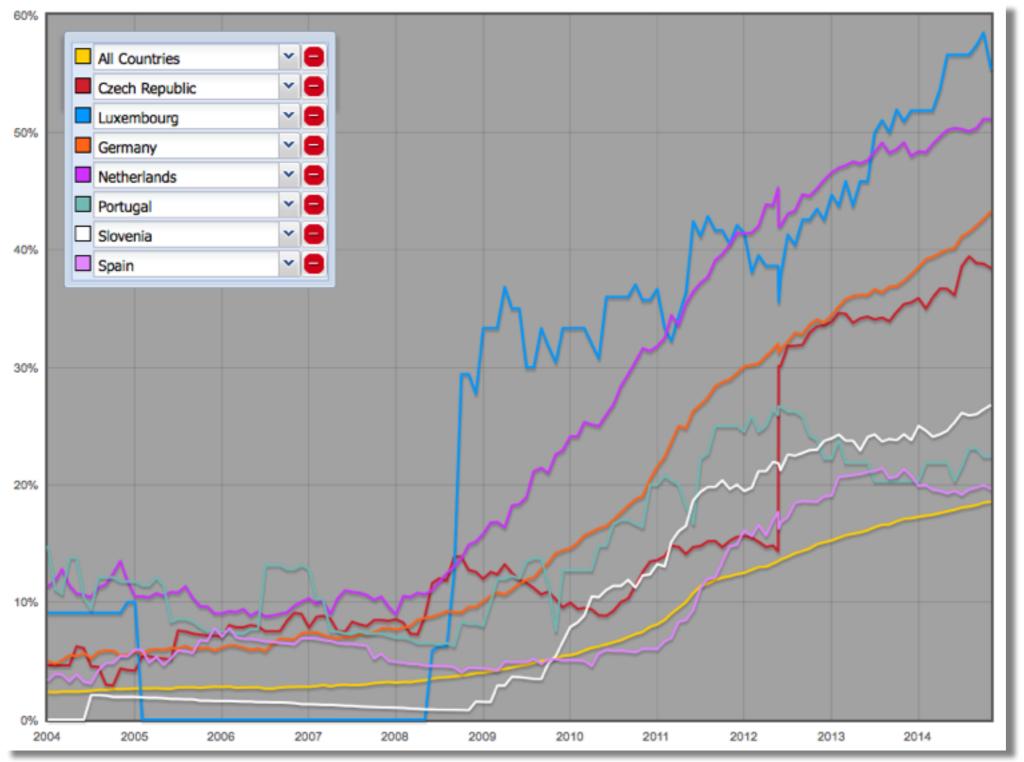


Networks Originating IPv6 Routes





Networks Originating IPv6 Routes



Try it yourself at http://v6asns.ripe.net



RIPEstat on Countries



- RIPEstat also takes ISO code as input
 - Shows statistics on number of resources and bandwidth
 - Try it yourself at http://stat.ripe.net



Questions?



