



IPv6

IPv6 Deployment Monitoring

Progress report to the RIPE Community

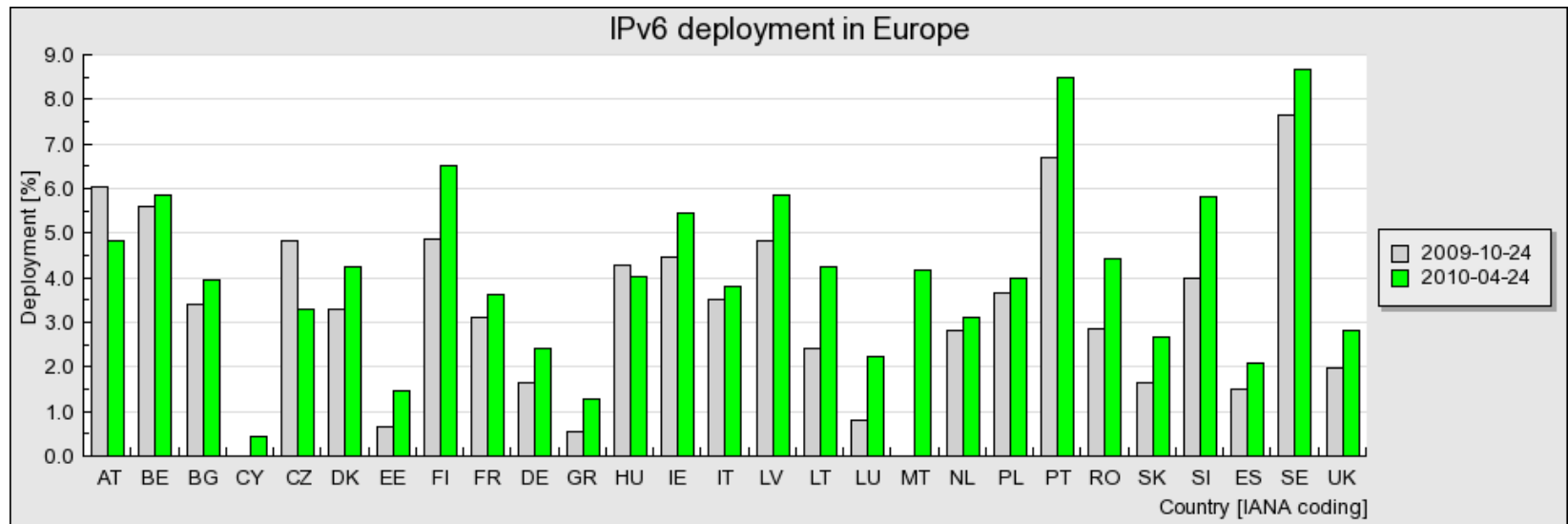
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IPv6 Measured deployment from a user perspective

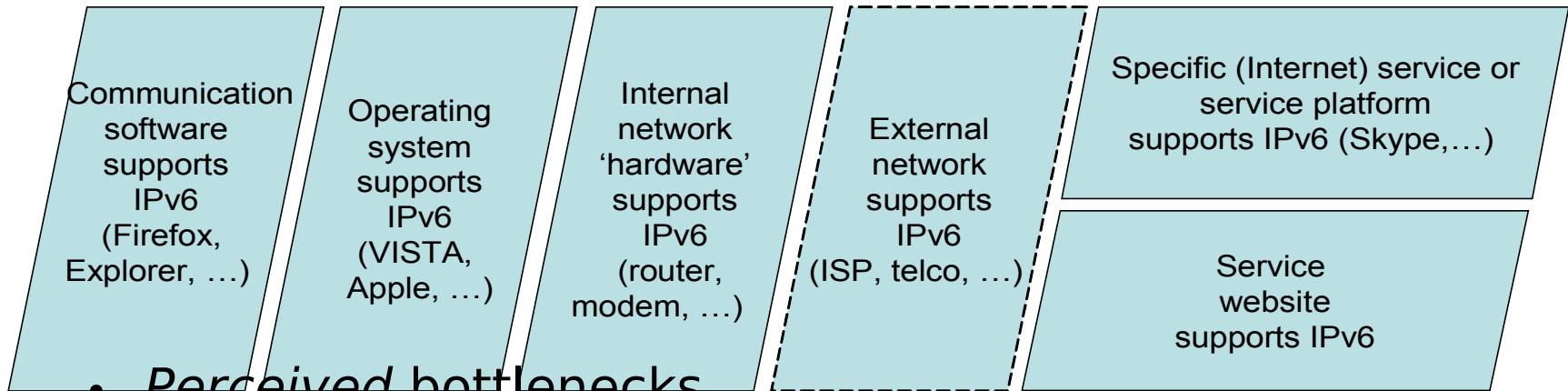
- More than a half year of measuring unique users of IPv6...



- *Some improvement in IPv6 deployment tends to be visible*
 - Netherlands most significant data, IPv6 growth $\approx 0.6\%$
 - Smaller countries dataset increasing, but still too small

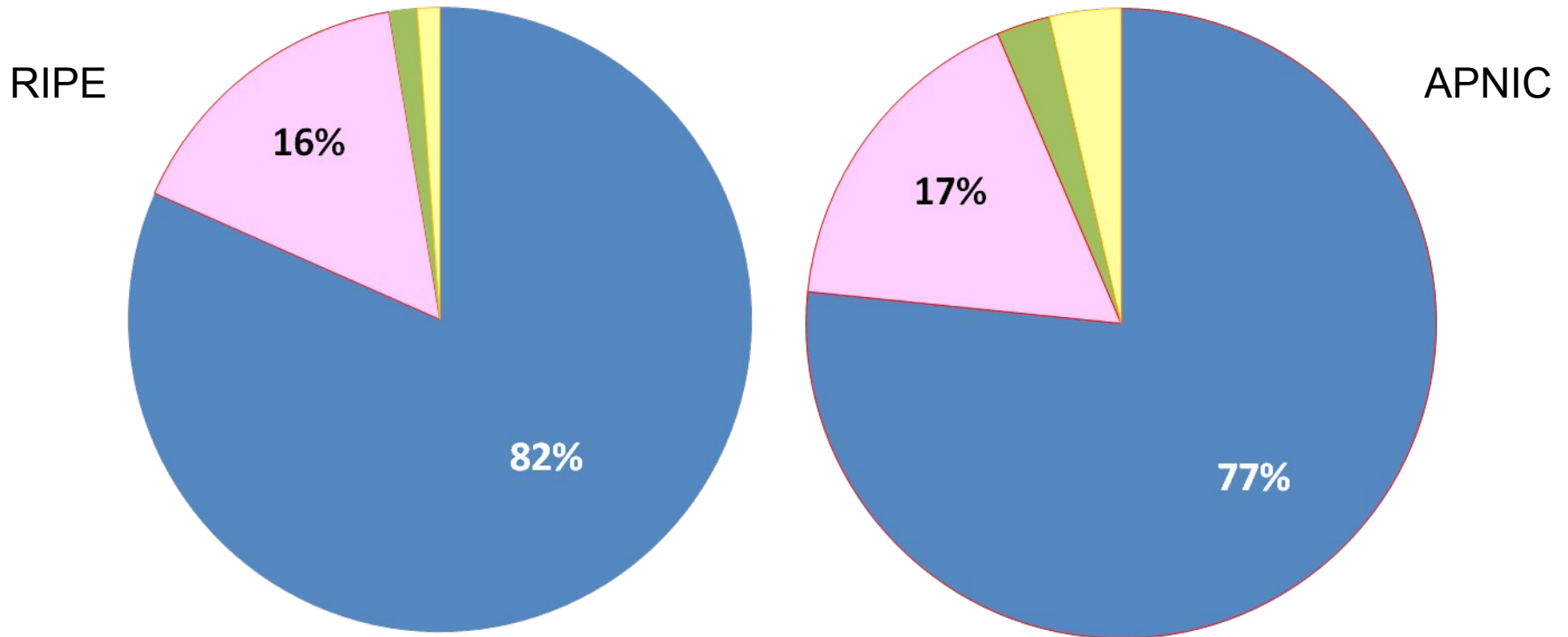
Bottlenecks for IPv6 Deployment

- Use value chain to identify technical bottlenecks
 - Literature study and **interviews**



- *Perceived bottlenecks*
 - “I don’t gain anything when implementing IPv6”
 - “My ISP does not support IPv6 yet, so I’m not able to migrate”
 - “Migrating to IPv6 might lower my security and reliability level”
- ...Please visit the project website and leave your comments
→ www.ipv6monitoring.eu/bottlenecks

IPv6 Deployment Survey: 2009



- IPv6 traffic is insignificant
- IPv6 traffic is less than IPv4 traffic
- IPv6 traffic is same as IPv4 traffic
- IPv6 traffic is greater than IPv4 traffic

2010 – going global

- In 2009, most (~90%) of survey participants in RIPE and APNIC region indicated they would be happy to 'do it again' in 2010
- Survey is scheduled for June 2010 (entire month), all RIRs are invited to participate
- Questionnaire is slightly adapted following feedback from RIPE and APNIC, yet 95% the same – also important for comparability reason
- Please let us know when you are able and willing to review the questionnaire – input welcome until 15 May 2010



IPv6

www.ipv6monitoring.eu/

Questions regarding the
measurements:

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survey:

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This survey could not have been done without the help of RIPE NCC, and APNIC

Thanks to the European Commission who has made this possible by granting GNKS Consult and TNO a study contract on IPv6 Deployment, in line with the EU IPv6 Action Plan

Thanks to all RIPE members that helped improve the survey instrument, before it was launched.

Thanks to RIPE and APNIC staff for support and help, and for sending out the survey to their mailing lists.

Special thanks to KC Claffy (CAIDA), Karine Perset (OECD), Leslie Daigle (ISOC), Paul Rendek and Nick Hyrka (RIPE NCC), Miwa Fujii and Paul Wilson (APNIC) for their feedback, advice and support.

The European IPv6 Web Site



http://ec.europa.eu/information_society/policy/ipv6

Questions regarding the Action Plan to the
European Commission:

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